

Groundwater Transfer Review Summary Form

Transfer/PA # T- 14813

GW Reviewer Stacey Garrison Date Review Completed: 3/26/2026

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-14813

Applicant Name: Kuenzi Turf and Nursery c/o Tyler Kuenzi

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

Reviewer(s): Stacey Garrison

Date of Review: 3/26/2026

Date Reviewed by GW Mgr. and Returned to WRSD: 3/26/2026

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/Well 2 (MARI 6130) to Certificate 98833. Certificate 98833 authorizes Well 3 (MARI 69522) to irrigate 3.3 ac at a maximum annual volume of 8.25 AF and with a seasonally split rate: March 1 through August 31 max rate of 0.04 cfs; September 1 through September 30 max rate of 0.018 cfs; October 1 through October 31 max rate of 0.04 cfs. The APOA/Well 2 (MARI 69522) is also authorized under Certificate 96313 and Certificate 27110. This review considers to full combined rate, shown in the table below.

Duties	POA 2/Well 2 (MARI 6130)
This transfer, T-14813/Certificate 98833	3.3 ac
Certificate 96313	18.5 ac
Certificate 27100	26.6 ac
Total	48.4 ac
This transfer, T-14813/Certificate 98833	134 AF
Certificate 96313	46.25 AF
Certificate 27100	66.5 AF
Total	121 AF
This transfer, T-14813/Certificate 98833	3/1-8/31: 0.04 cfs (18 gpm), 9/1-9/30: 0.018 cfs (8.1 gpm), 10/1-10/31: 0.04 cfs (18 gpm)
Certificate 96313	0.23 cfs (103 gpm)
Certificate 27100	0.33 cfs (148 gpm)
Total	3/1-8/31: 0.6 cfs (269 gpm), 9/1-9/30: 0.578 cfs (259 gpm), 10/1-10/31: 0.6 cfs (269 gpm)

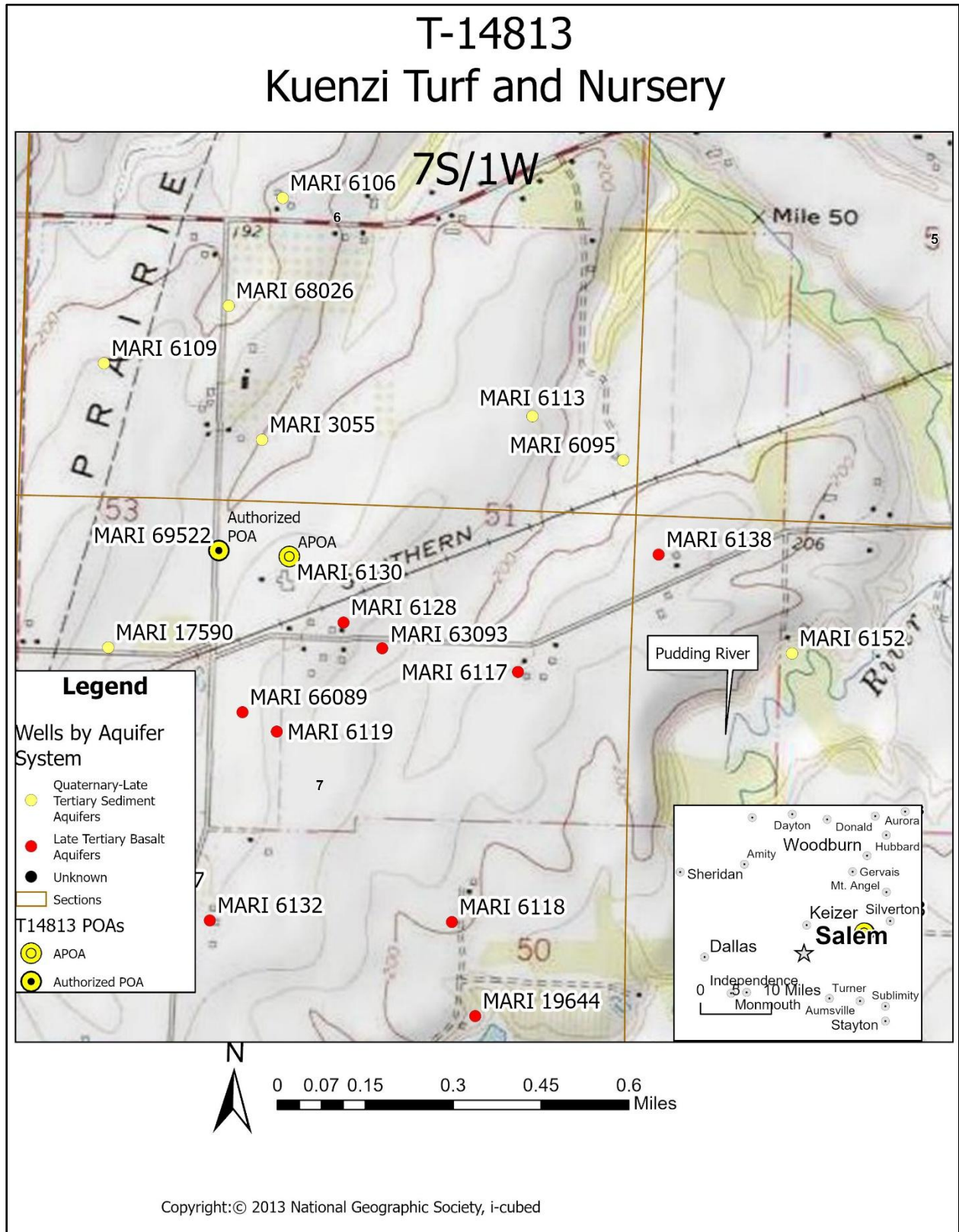
2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?
 Yes No Comments: The authorized POA (MARI 69522) develops sand and gravel water-bearing zones, WBZs, between 106 and 132 ft bls [74 to 100 ft amsl]. The proposed APOA (MARI 6130) develops sand and gravel WBZs between 61 and 115 ft bls [99 to 153 ft amsl]. The proposed APOA appears to develop the same aquifer as the existing authorized POA.
3. a) Is the existing authorized POA subject to a water level decline condition?
 Yes No Comments: Certificate 98833 includes Static Water Level Conditions.
- 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: The authorized POA (MARI 69522) has a reference level of 36.66 ft bls [169.34 ft amsl] set, the most recent spring-high water level was 38.91 ft bls [167.09 ft amsl], and the applicable permit decline conditions have not been exceeded.

The same conditions should apply to the proposed APOA, Well 2 (MARI 6130). The reference level for Well 2 (MARI 6130) should be based on the established reference level for the authorized POA, Well 3 (MARI 69522).

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 proposed APOA, Well 3 (MARI 6130) is closer to MARI 6113/6112 than the authorized POA.
- 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: APOA, Well 3 (MARI 6130) is 2,529 ft southwest of MARI 6113/6112, a POA authorized under Certificate 28456. The Theis (1935) solution for drawdown was used to assess the potential for injury to MARI 6113/6112 from the proposed changes (see attached Theis Interference Analysis). Results indicate the proposed change is unlikely to result in MARI 6113/6112 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: The proposed APOA, Well 3 (MARI 6130) is closer to the Pudding River than the authorized POA
- 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: Pudding River Minimal Significant
- Provide context for minimal/significant impact: Given the distance and the thickness of the overlying confining layer of clay, the increase in interference with the Pudding River is anticipated 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

ReferencesApplication Files: T-14813, T-14611Pumping Test Files: MARI 6125, MARI 69522, MARI 6109, MARI 6095Conlon, 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., 2003. Unsteady stream depletion when pumping from semiconfined aquifer: Journal of Hydrologic Engineering, January/February, 2003.O'Connor, J.E., Sarna-Wojcick, A.,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.

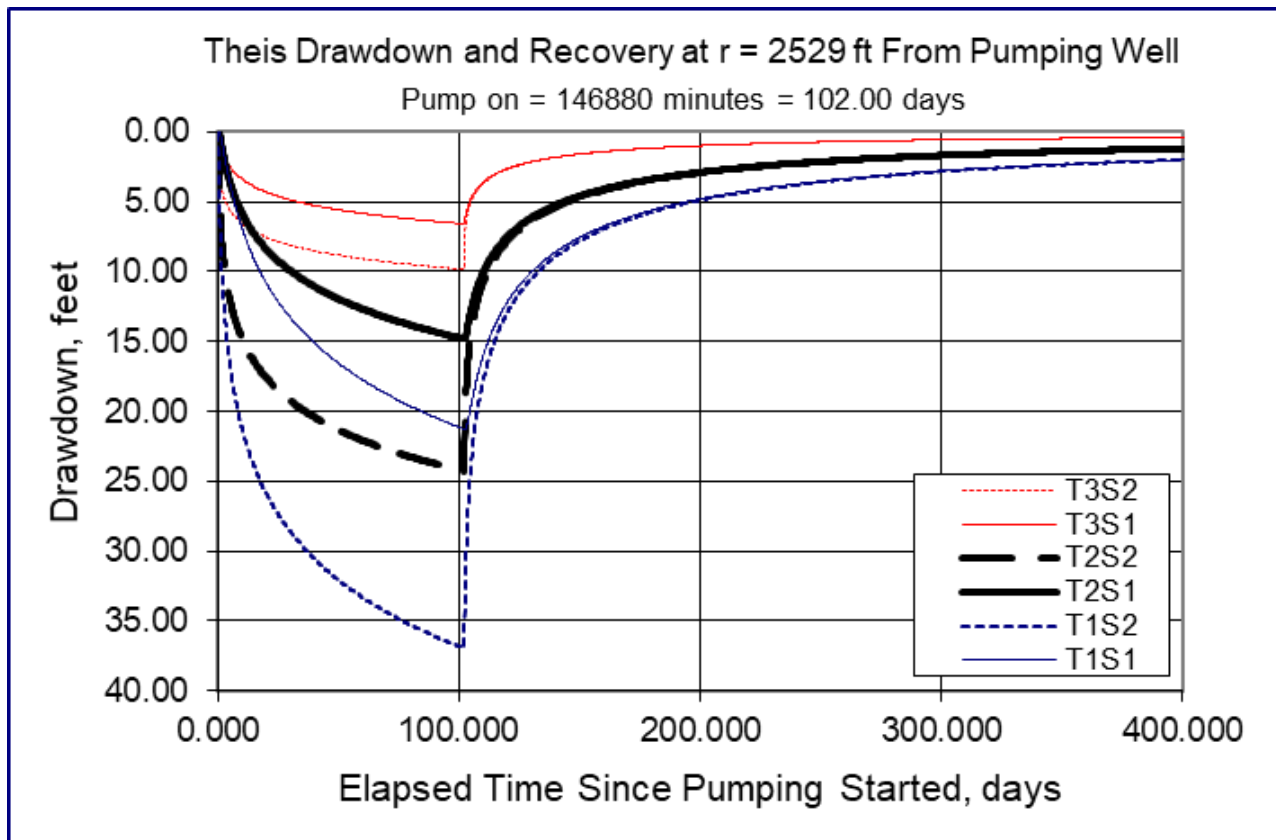
Map



Injury analysis

Input Data:	Var Name	Scenario 1	Scenario 2	Scenario 3	Units	
Total pumping time	t		102		d	
Radial distance from pumped well:	r		2529		ft	Q conversions
Pumping rate	Q		0.6		cfs	269.28 gpm
Hydraulic conductivity	K	20	33.35	97	ft/day	0.60 cfs
Aquifer thickness	b		30		ft	36.00 cfm
Storativity	S 1		0.001			51,840.00 cfd
	S 2		0.0001			1.19 af/d
Transmissivity Conversions	T_f2pd	600	1000.5	2910	ft ² /day	<input type="button" value="Recalculate"/>
	T_f2pm	0.41666667	0.69479167	2.02083333	ft ² /min	
	T_gpdft	4488	7483.74	21766.8	gpd/ft	

*The full, combined authorized rate of 0.6 cfs (369 gpm) could not be used for the entire irrigation season without exceeding the maximum, combined volume of 121 AF. At 0.6 cfs, the 121 AF combined volume would be used within 102 days. Furthermore, the applicant would be required to reduce the rate under the subject certificate during the month of September.



SWL	28 ft bls	MARI 6113/6112
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Aquifer Bottom	500 ft bls	Gannett & Caldwell 1998
Available Water Column	472 ft	Aquifer bottom-SWL
Pump Height Above Bottom	5 ft	Estimate
NPSHa	5 ft	Estimate
Drawdown	42 ft	MARI 6113/6112
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Minimum Water Column	52 ft	Estimated Drawdown + NPSHa + Pump Height
Injury	420 ft	Available Water Column-Minimum Water Column