Groundwater Transfer Review Summary Form

Transfer/PA # I- <u>14/14</u>
GW Reviewer <u>Byron Ebner and Grayson Fish</u> Date Review Completed: <u>8/22/2025</u>
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:
\Box 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 pe 690-380-0100(3).
Summary of GW-SW Transfer Similarity Review:
\Box 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

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Ground	water	Keview	rorm:

V	OREGON Oregon Water Resources Department 725 Summer Street NE, Suite A Salem, Oregon 97301-1271 (503) 986-0900 www.wrd.state.or.us			 ☑ Water Right Transfer ☐ Permit Amendment ☐ GR Modification ☐ Other 			
App	olication: T- <u>147</u>	<u>′14</u>	Арр	olicant Name: <u>Edv</u>	vard Bayne and John Bayne		
Prop	posed Changes:	POA □ USE	☐ APOA ☐ POU	□ SW→GW □ OTHER	\square RA		
Rev	iewer(s): <u>Byr</u>	on Ebner and Gi	rayson Fish		Date of Review: <u>8/22/2025</u>		
			Date Reviewed	by GW Mgr. and	Returned to WRSD: JTI 8/27/25		
	sfer may be app	proved because: l reports provide	-		te whether the proposed respond to the water rights		
	* *			•	tion of the well construction or proposed to be developed.		
	Other						
1.	POU change to two POAs to r	o move irrigated nore efficiently s idwater infrastru	acres to anothe serve the POU	er pasture for grazi	erty was divided in 2021. ing within tax lot 1701. Add ing distance and more imp POA.		

Proposed POAs are two wells. APOD 1 is JOSE 60711 and APOD 2 is JOSE 58981.

Cert: 79434, Use: Primary Irrigation, Rate: 0.17 CFS, year-round use.

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proposed by this transfer are unlikely to result in another groundwater right not receiving the

water to which it is legally entitled.

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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: POAs are moving further away from Democrat Gulch. The
	authorized POA is 240 ft from Democrat Gulch while Proposed POAs are 295 ft and 1055 ft from Democrat Gulch. The proposed POAs are moving further from Democrat Gulch, which will likely result in no change or a decrease in interference.
	JOSE 60711 is 65 ft closer to Althouse Creek compared to the Authorized POD (2180 vs 2115 ft). The reduction in distance between the proposed POA 1 and Althouse Creek is likely to result in an increase in interference with that 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: Althouse Creek
	Stream:
	Provide context for minimal/significant impact: Given the relatively minor change in distance of the proposed POA compared to the authorized sump's location, the expected increase in interference with Althouse Creek is likely 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? \[\sum \text{Yes} \text{No} \text{Comments:} \sum_{}
8.	What conditions or other changes in the application are necessary to address any potential issues identified above:
9.	Any additional comments: <u>TL 1701 has 3 additional ponds separate from the current</u> authorized sump. Additionally, JOSE 58981 is very close to the sump and has been

References

- Almy III, R. B. (1981). *Ground Water Resources of the Illinois River Basin, Oregon* (p. 31).
- Application File for T-14714

constructed since 7/2012.

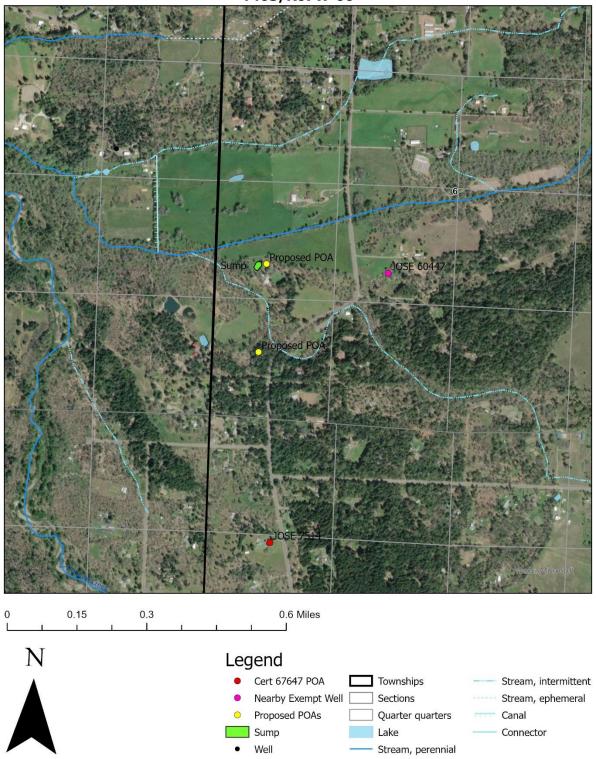
- AOTESOLV: http://www.agtesolv.com/aguifer-tests/aguifer_properties.htm
- Oregon Water Resources Department (OWRD). Water Rights Information System. https://apps.wrd.state.or.us/apps/wr/wrinfo/.
- Oregon Water Resources Department (OWRD). Groundwater Information System. https://apps.wrd.state.or.us/apps/gw/gw_info/gw_info_report/Default.aspx.
- Oregon Water Resources Department (OWRD). Well Report Query. https://apps.wrd.state.or.us/apps/gw/well_log/Default.aspx
- Pump Test for JOSE 13046
- Theis, C.V., 1941, *The effect of a well on the flow of a nearby stream*: Am. Geophys. Union Trans., v. 22, pt.3, p. 734-738.
- Wells, F.G., Hotz, P.E and Cater, F.W., Jr. (1949). *Preliminary description of the geology of the Kerby [30'] quadrangle*. Oregon Department of Geology and Mineral Industries. Bulletin 40.

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Application Map

Application T-14714 T40S/R07W-06



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Estimated Drawdown (Theis, 1941)

Theis Time-Drawdown Worksheet

Calculates Theis nonequilibrium drawdown and recovery at any arbitrary radial distance, r, from a pumping well for 3 different T values and radial distance, r, from a pumping well for 3 different T values and 2 different S values. Written by Karl C. Wozniak September 1992. Last modified December 17, 2019

Input Data:	Var Name	Scenario 1	Scenario 2	Scenario 3	Units	
Total pumping time	t		365		d	
Radial distance from pumped well:	r		1385		ft	Q conversions
Pumping rate	Q		0.17		cfs	76.30 gpm
Hydraulic conductivity	K	30	75	100	ft/day	0.17 cfs
Aquifer thickness	b		80		ft	10.20 cfm
Storativity	S_1		0.0012			14,688.00 cfd
	S_2	1	0.0025			0.34 af/d
Transmissivity Conversions	T_f2pd	2400	6000	8000	ft2/day	
	T_ft2pm	1.666667	4.166667	5.555556	ft2/min	Recalculate
	T gpdpft	17952	44880	59840	gpd/ft	

Use the Recalculate button if recalculation is set to manual

