

Groundwater Transfer Review Summary Form

Transfer/PA # T- 14484

GW Reviewer A. Wentworth Date Review Completed: 10/10/2024

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 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-14484

Applicant Name: Pollock & Son, Inc.

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

Reviewer(s): A. Wentworth

Date of Review: 10/10/2024

Date Reviewed by GW Mgr. and Returned to WRSD: _____

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: The applicant proposes to temporarily add an additional point of appropriation to Certificates 42339 and 46930 because the authorized existing well has become unreliable. The authorized and proposed POAs associated with these water rights are displayed in Table 1.

Table 1:

Certificate	Authorized POAs/PODs	Proposed POAs/PODs	Proposed POU Changes
42339	Well (UMAT 56576)	Well 1 (UMAT 2420)	From 16.4 acres to 16.4 acres
46930	Well 1 (UMAT 2420)	Well (UMAT 56576)	From 16.4 acres to 16.4 acres

2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?
 Yes No Comments: All Authorized and Proposed POAs produce water from the Ordinance Gravel alluvial aquifer in the Westland Road Subarea.
- 3.

4. a) Is there more than one source developed under the right (e.g., basalt and alluvium)?
 Yes No
- 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 groundwater right**?
 Yes No Comments: Proposed APOA UMAT 2420 is closer to its nearest neighboring well compared to UMAT 56576. UMAT 2420 is ~280 ft from UMAT 53445 and UMAT 56576 is ~420 ft from UMAT 56586. Pumping at the maximum authorized rate (1.21 cfs) will likely result in increased interference (Figure 2 and Figure 3).
- 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: Interference at the closest groundwater right POA from pumping at the Authorized POA (UMAT 56576) is 0.21 feet, compared to 1.37 feet from Proposed APOA (UMAT 2420).
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:
- 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
 Stream: _____ Minimal Significant
 Provide context for minimal/significant impact: _____
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: _____
9. Any additional comments: _____

Figure 1. Map of Authorized POA, Proposed APOA, and nearest groundwater right POAs

T-14484 Pollock & Son

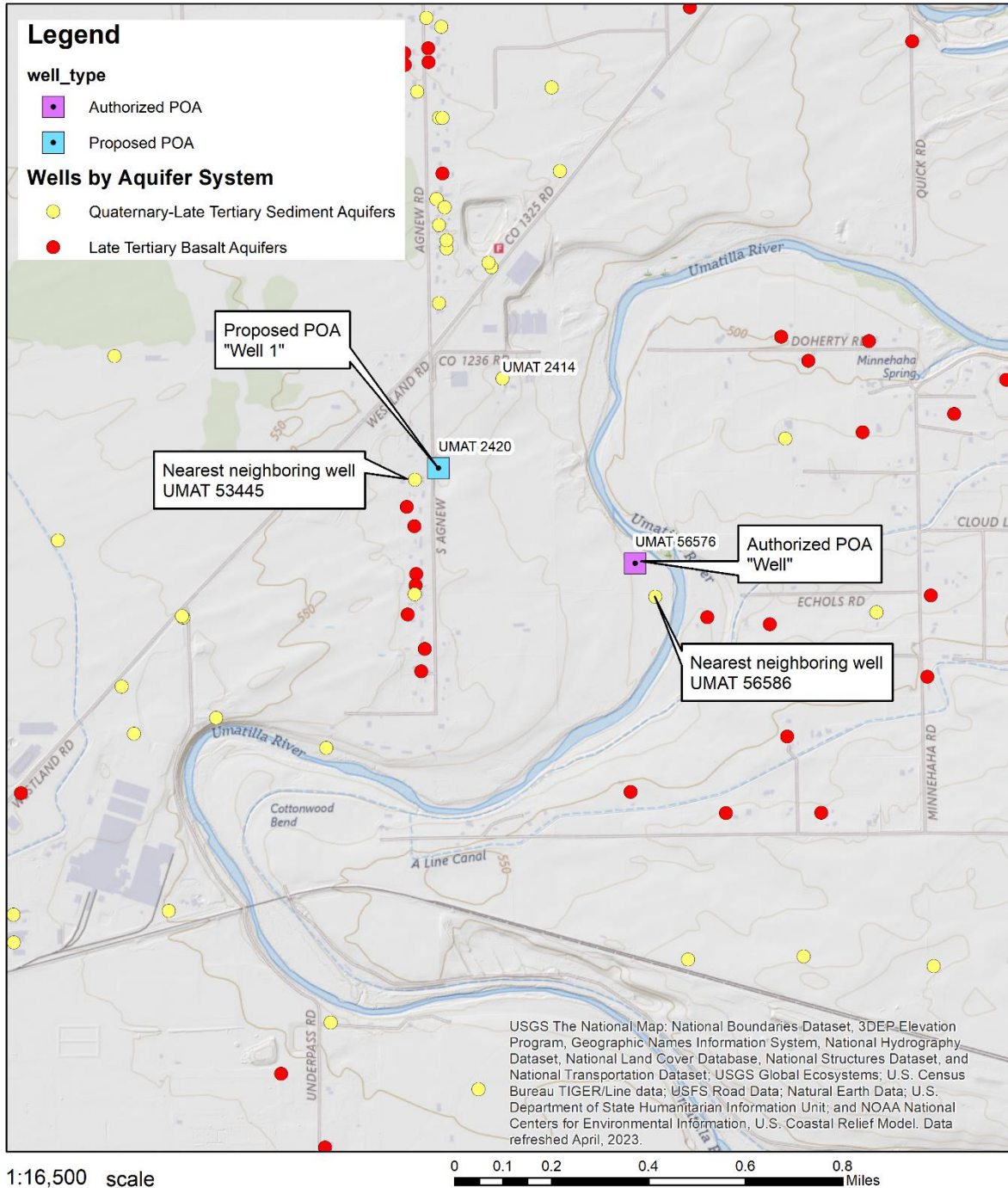


Figure 2. Estimated interference drawdown at the nearest neighboring well resulting from pumping at the Authorized POA UMAT 56576

Show Instructions	Total Model Time [d]:	500					
Run Models	Pumping Time [d]:	244					
	Pumping Rate [gpm]:	<input checked="" type="checkbox"/> cfs	0.21				
Export Values	Distance [ft]:	<input type="checkbox"/> miles	420	5280	<input type="checkbox"/> Use 2nd Dist.		
	Min / Max T [ft ² /d]:	40000	60000	60000	log(mu)	3	log(sigma)
Close Program	Min / Max S [-]:	.02	0.05	0.2		-3	0.5
	Select Model Type to run:	Single Model		Discrete Models		Range Models	
	Select Distribution Type:	Uniform-Linear (enter min/max)		Log-Normal (enter mean/std)			
					# Runs:	200	

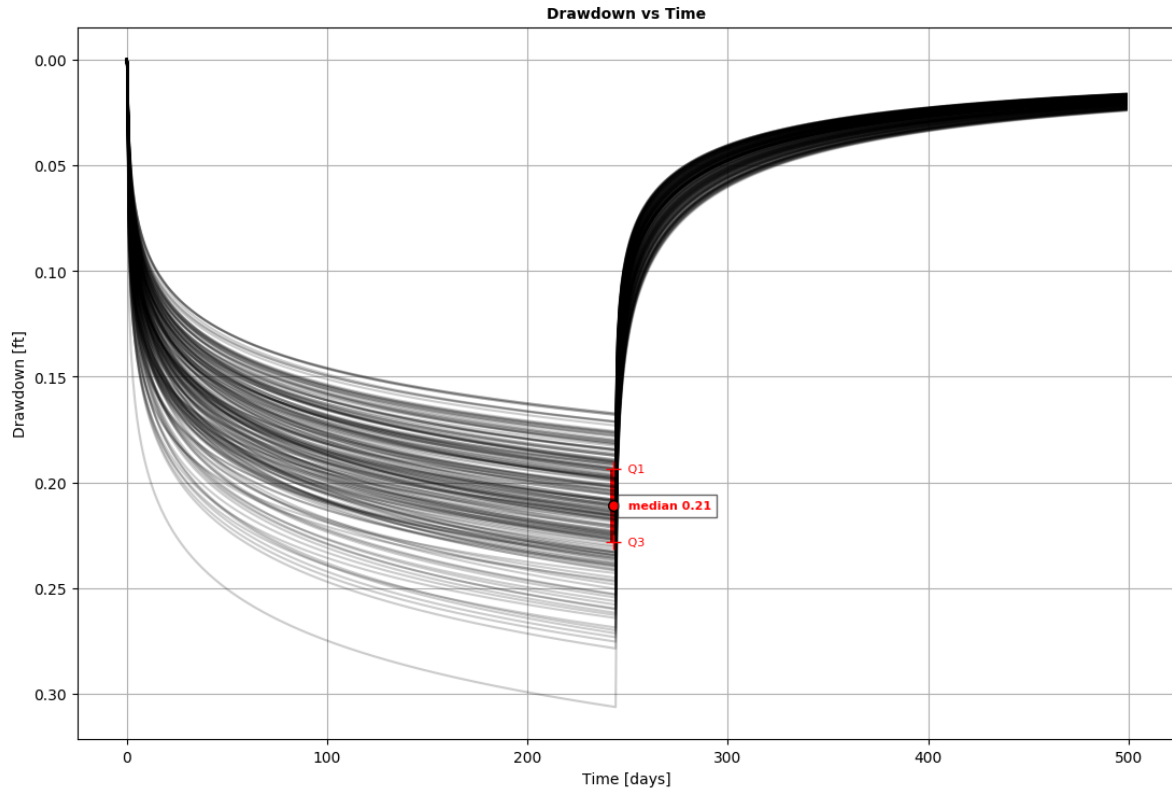


Figure 3. Estimated interference drawdown at the nearest neighboring well resulting from pumping at the Proposed APOA UMAT 2420

Show Instructions	Total Model Time [d]:	500					
Run Models	Pumping Time [d]:	244					
	Pumping Rate [gpm]:	<input checked="" type="checkbox"/> cfs	1.21				
Export Values	Distance [ft]:	<input type="checkbox"/> miles	280	5280	<input type="checkbox"/> Use 2nd Dist.		
	Min / Max T [ft ² /d]:	40000	60000	60000	log(mu)	3	log(sigma)
Close Program	Min / Max S [-]:	.02	0.05	0.2		-3	0.5
	Select Model Type to run:	Single Model		Discrete Models		Range Models	
	Select Distribution Type:	Uniform-Linear (enter min/max)			Log-Normal (enter mean/std)		
					# Runs:	200	

