

Groundwater Transfer Review Summary Form

Transfer/PA # T- 14861

GW Reviewer Gabriela Ferreira Date Review Completed: June 10, 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-14861

Applicant Name: Jenck Farms, LLC

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

Reviewer(s): Gabriela Ferreira

Date of Review: June 10, 2026

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 proposed GR modification relates to GR-3593, which is for primary irrigation of 37.8 acres in Tillamook County. The originally authorized POA, TILL 630, was replaced following T-12991 (Final Order dated 5/21/2019) and the POA was modified to TILL 50225/50400.

The proposed transfer would add an additional POA (APOA) proposed to be drilled.

Note: The transfer application indicates that formerly authorized POA TILL 630 is still authorized as a POA. According to the Final Order associated with T-12991, the original claimed POA TILL 630 is not a currently authorized POA.

2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?
 Yes No Comments: Authorized POA TILL 50225/50440 is constructed to a total depth of 135 feet and produces from the shallow alluvial aquifer. The exact construction details of the proposed APOA are not provided, although the application states that the well will be constructed similar to authorized POA TILL 50225/50440. **Any water right issued in association with this transfer should be conditioned to only authorize production from the shallow alluvial aquifer.**

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: _____
- 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 proposed APOA is located about 200 feet east and nearer to the Trask River compared to authorized POA TILL 50225/50400. The nearest well was identified as TILL 630, which is located approximately 1,500 feet northwest of both wells. Given the relatively similar intervening distance and proximity to the Trask River, it is very unlikely that pumping at the proposed APOA would impact nearby wells.
- 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: _____
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: Authorized POA TILL 50225/50400 is located approximately 450 feet west of the Trask River. The proposed APOA would be located approximately 260 feet west of the Trask River. Based on the reduced intervening distance, the proposed change would likely increase interference with the Trask River.
- 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: Trask River Minimal Significant
Stream: _____ Minimal Significant
Provide context for minimal/significant impact: The Hunt 2003 analytical stream depletion model was used to estimate the maximum potential interference at Trask River caused by the proposed change. Model parameters are derived from nearby pumping tests and published values (Freeze and Cherry, 1979). Model results indicate that interference is expected to increase by 1 to 2%. Based on the relatively efficient hydraulic connection and tidal influence on streamflow, the potential increase of interference with surface water sources is considered 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: _____
8. What conditions or other changes in the application are necessary to address any potential issues identified above: **Any permit associated in association with this transfer should be conditioned to only allow production from the shallow alluvial aquifer.**
9. Any additional comments: _____

References:

Application File T-14861, GR-3593

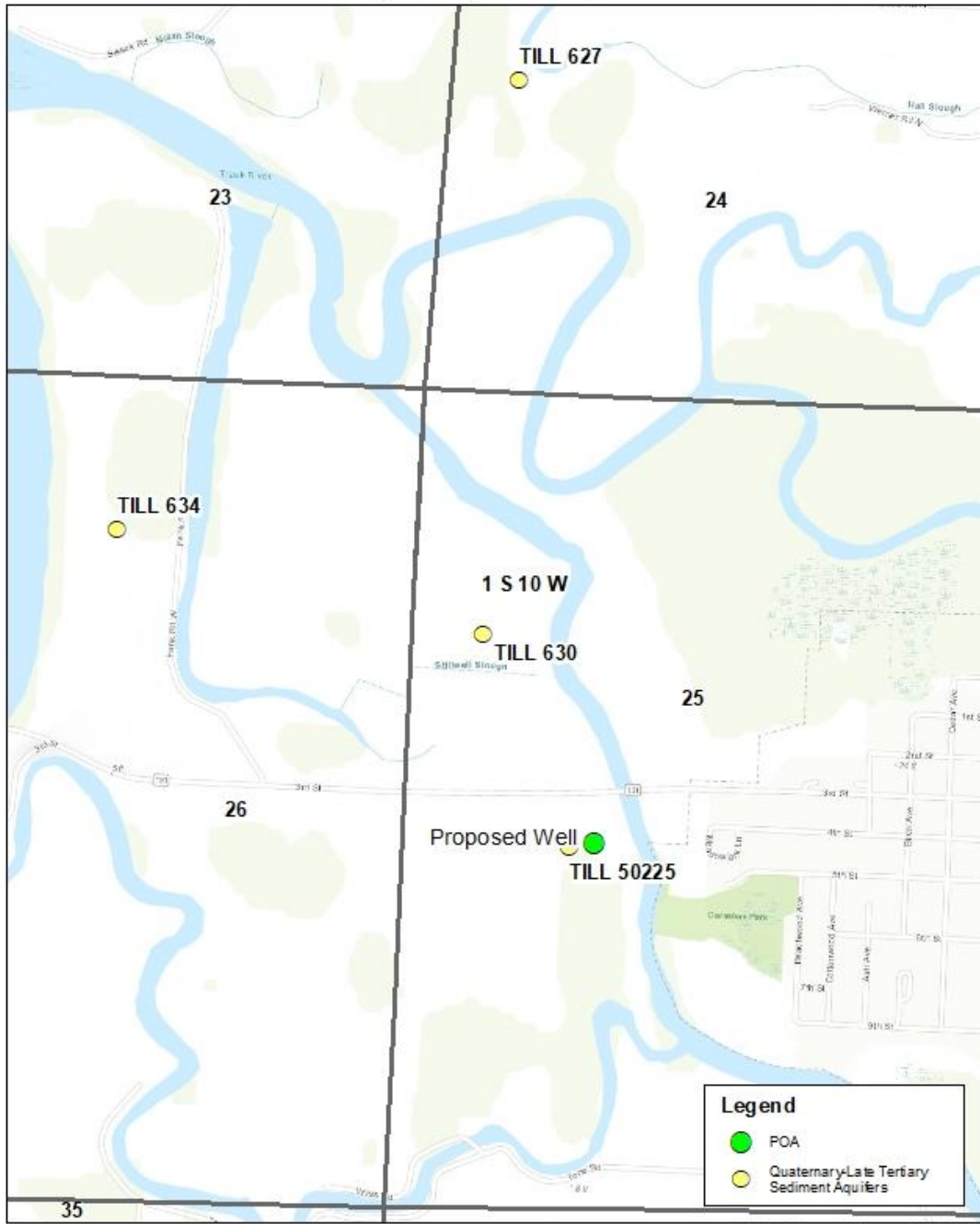
Water well reports and pump tests: TILL 654, TILL 513, TILL 50051, TILL 630, TILL 50225/50400

Freeze, R.A. and Cherry, J.A., 1979, Groundwater, Prentice Hall, Englewood Cliffs, New Jersey, 604 p.

Hunt, B., 2003, Unsteady stream depletion when pumping from semiconfined aquifer: Journal of Hydrologic Engineering, January/February, Vol 8, p. 12-19.

Oregon Lidar Consortium (OLC), 2016, OLC metro 2014 lidar project, Oregon Department of Geology & Mineral Industries, Portland, OR, November 30.

T-14861 Jenck Farms, LLC 1 S, 10 W, Section 25



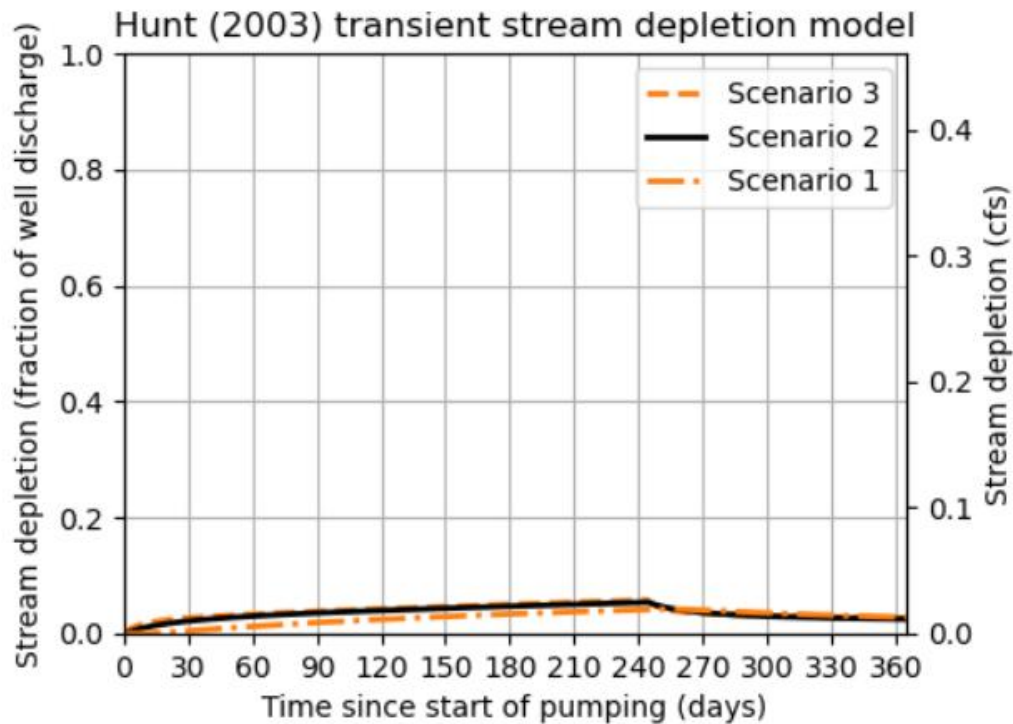
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Modeled Stream Depletion: Authorized POA TILL 50225/50440 to Trask River

Application type:	T
Application number:	14861
Well number:	1
Stream Number:	1
Pumping rate (cfs):	0.46
Pumping duration (days):	244.0
Pumping start month number (3=March)	3.0

Parameter	Symbol	Scenario 1	Scenario 2	Scenario 3
Distance from well to stream	a	450.0	450.0	450.0
Aquifer transmissivity	T	500.0	5000.0	10000.0
Aquifer storativity	S	0.2	0.1	0.05
Aquitard vertical hydraulic conductivity	Kva	0.01	0.05	0.1
Aquitard saturated thickness	ba	20.0	30.0	40.0
Aquitard thickness below stream	babs	10.0	20.0	30.0
Aquitard specific yield	Sya	0.2	0.2	0.2

Days	10	330	360	30	60	90	120	150	180	210
Depletion (%)	1	3	3	2	3	4	4	4	5	5



Modeled Stream Depletion: Proposed APOA to Trask River

Application type:	T			
Application number:	14861			
Well number:	2			
Stream Number:	1			
Pumping rate (cfs):	0.46			
Pumping duration (days):	244.0			
Pumping start month number (3=March)	3.0			

Parameter	Symbol	Scenario 1	Scenario 2	Scenario 3
Distance from well to stream	a	260.0	260.0	260.0
Aquifer transmissivity	T	500.0	5000.0	10000.0
Aquifer storativity	S	0.2	0.1	0.05
Aquitard vertical hydraulic conductivity	Kva	0.01	0.05	0.1
Aquitard saturated thickness	ba	20.0	30.0	40.0
Aquitard thickness below stream	babs	10.0	20.0	30.0
Aquitard specific yield	Sya	0.2	0.2	0.2

Stream depletion for Scenario 2:

Days	10	30	60	90	120	150	180	210
Depletion (%)	1	3	3	3	4	4	5	5

