

# Groundwater Transfer Review Summary Form

Transfer/PA # T- 14794

GW Reviewer Stacey Garrison Date Review Completed: 3/23/2026

## 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-14794

Applicant Name: Cook Landholdings LLC

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

Reviewer(s): Stacey Garrison

Date of Review: 3/23/2026

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 \_\_\_\_\_

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1. Basic description of the changes proposed in this transfer: Applicant proposes to add APOAs Well 6/AB2 (NLOG 58051) and Well 7/AB1 (NLOG 58052) to Claim GR-823. Claim GR-823 authorizes Well 9 (NLOG 58050) to irrigate 17.5 ac at a maximum rate of 400 gpm (0.89 cfs) and a maximum annual duty of 43.75 AF. Both of the APOAs are authorized as POAs on other water rights. The combined rates are shown in the table below; the total rates and duties were used in this review.

uties	Well 6/AB2 (NLOG 58051)	Well 7/AB1 (NLOG 58052)
This transfer, T-14794/Claim GR 823	17.5 ac	17.5 ac
Permit G-13132, supplemental Irr.	39.18 of 940.2 ac <sup>1</sup>	39.18 of 940.2 ac <sup>1</sup>
Claim GR-820	31.8 ac	0 ac, not authorized
Claim GR-821	0 ac, not authorized	36.8 ac
Total	88.475 ac	93.475 ac
This transfer, T-14794/Claim GR 823	43.75 AF	43.75 AF
Permit G-13132, supplemental Irr.	11.875 of 285 AF <sup>1</sup>	11.875 of 285 AF <sup>1</sup>
Claim GR-820	79.5 AF	0 AF, not authorized
Claim GR-821	0 AF, not authorized	92 AF
Total	135.125 AF	147.625 AF
This transfer, T-14794/Claim GR 823	400 gpm (0.89 cfs)	400 gpm (0.89 cfs)
Permit G-13132, supplemental Irr.	11 gpm (0.024 cfs) <sup>2</sup>	11 gpm (0.024 cfs) <sup>2</sup>
Claim GR-820	800 gpm (1.78 cfs)	0 gpm, not authorized
Claim GR-821	0 gpm, not authorized	500 gpm (1.114 cfs)
Total	1,210 gpm (2.698 cfs)	911 gpm (2.03 cfs)

<sup>1</sup> Permit G-13132 does not specify POU acreage per POA, however, it is not likely that each POA would be used to irrigate the entire 940.2 ac of POU or the entire 285 AF authorized annual duty. A correction factor of 1/24<sup>th</sup> was applied, as there are 24 POAs authorized under Permit G-13132. Permit G-13132 does not specify a maximum rate; the maximum possible rate to supply 1/24<sup>th</sup> of the 285 AF annual duty over the 245-day irrigation season was used.

2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?
  - Yes    No   Comments: The authorized POA, Well 9 (NLOG 58050), and the proposed APOAs, Well 6 (NLOG 58051) and Well 7 (NLOG 58052), develop the unconfined Holocene alluvium.
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: N/A
  - 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: Well 6/AB 2 (NLOG 58051) and Well 7/AB1 (NLOG 58052) are both closer to LINN 5289, a POA authorized for irrigation under Certificate 89727 with priority date 4/8/1991. The reduced intervening distance is likely to result in an increase in interference with LINN 5289.

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 7/AB1 (NLOG 58052) is 2,414 ft northeast of LINN 5289 and Well 6/AB2 (NLOG 58051) is 2,608 ft from LINN 5289. The Theis (1935) solution for drawdown was used to assess the potential for injury to LINN 5289 from the proposed changes (see attached Theis Interference Analysis). Results indicate the proposed change is unlikely to result in LINN 5289 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 APOAs are not closer to a surface water source, so it is not likely that the proposed change will result in an increase in interference with another 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: \_\_\_\_\_  Minimal  Significant

Provide context for minimal/significant impact: N/A

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

#### References

Application Files: T-14794, G-

Pumping Test Files: LANE 8214, LANE 8061, LANE 7502, LANE 64556, LANE 63753, LANE 72693, LANE 58762, LANE 8377, LANE 5676

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.

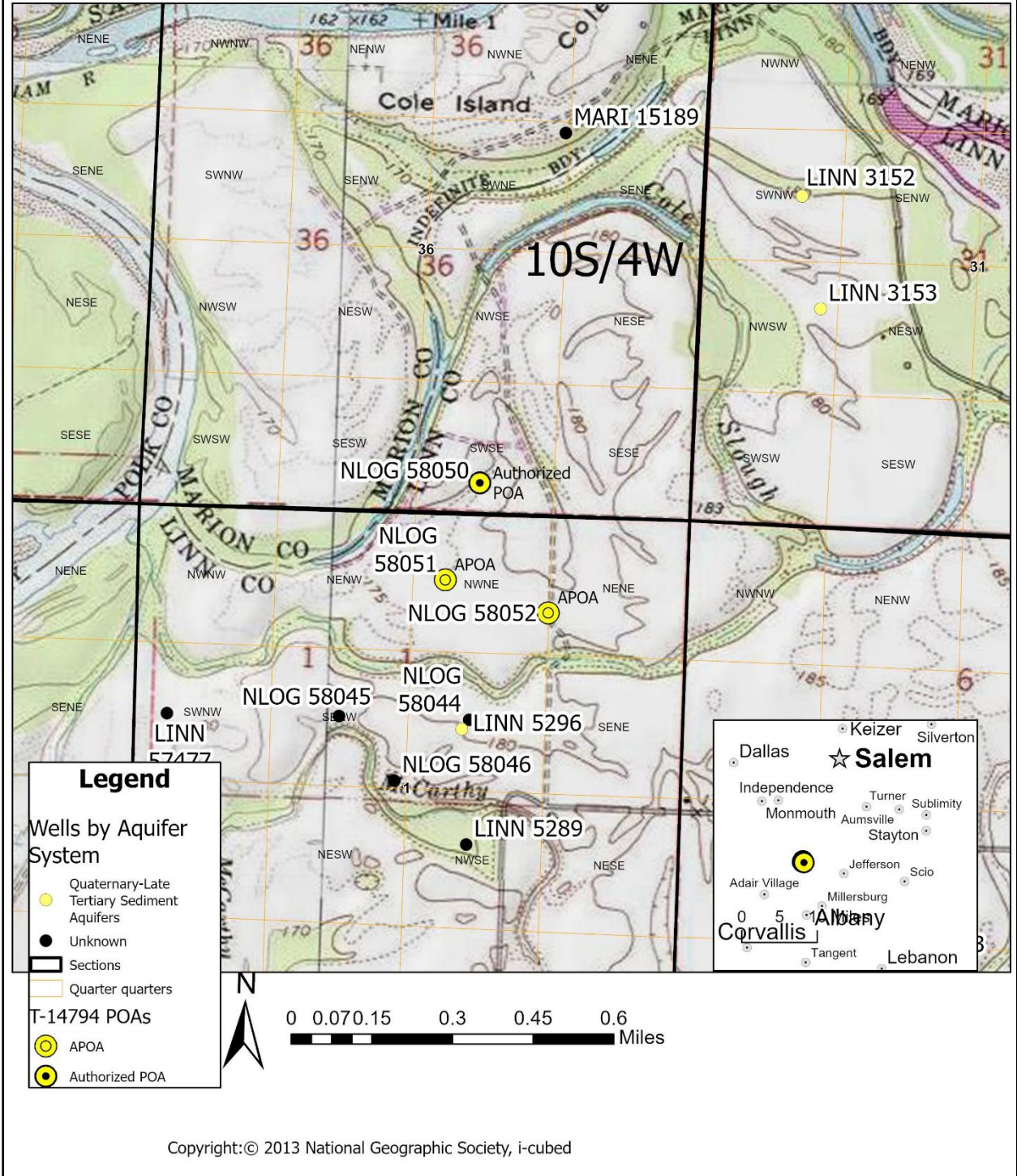
Hunt, B., 1999, Unsteady Stream Depletion from Ground Water Pumping: Ground Water, January-February, Vol 37, p 98-102.

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**

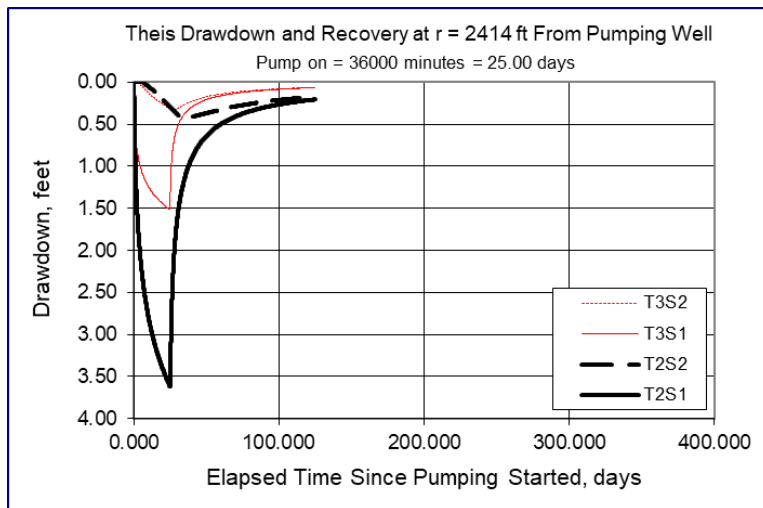
# T-14794 Cook Landholdings, LLC



**Well 7/AB1 (NLOG 58052)-LINN 5289 Interference Analysis**

Input Data:	Var Name	Scenario 1	Scenario 2	Scenario 3	Units	
Total pumping time	t		25		d	
Radial distance from pumped well:	r		2414		ft	<b>Q conversions</b>
Pumping rate	Q		2.029652		cfs	910.91 gpm
Hydraulic conductivity	K	66.7	500	1533.3	ft/day	2.03 cfs
Aquifer thickness	b		30		ft	121.78 cfm
Storativity	S 1		0.003			175,361.93 cfd
	S 2		0.2			4.03 af/d
<b>Transmissivity Conversions</b>	T_f2pd	2001	15000	45999	ft2/day	<input type="button" value="Recalculate"/>
	T_ft2pm	1.38958333	10.4166667	31.94375	ft2/min	
	T_gpdft	14967.48	112200	344072.52	gpd/ft	

APOA Well 7/AB1 (NLOG 58052) could not pump the combined authorized rate for the full 245-day irrigation season without exceeding the assigned duties. At the full combined rate of 2.03 cfs, the authorized duty would be reached after 25 days. In addition, scenarios using T1 are not shown below as they would dewater the pumping well.

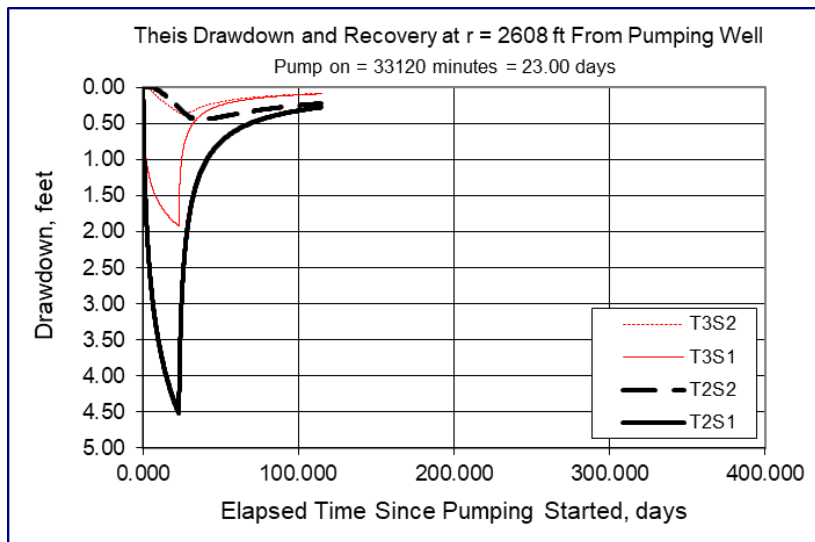


SWL	16 ft bls	Woodward et al., 1998
Aquifer Bottom	36 ft bls	Woodward et al., 1998
Available Water Column	20 ft	Aquifer bottom-SWL
Pump Height Above Bottom	5 ft	Estimate
NPSHa	5 ft	Estimate
Drawdown	4 ft	LINN 5289 Pump Test
Minimum Water Column	14 ft	Estimated Drawdown + NPSHa + Pump Height
Injury	6 ft	Available Water Column-Minimum Water Column

**Well 6/AB2 (NLOG 58051)-LINN 5289 Interference Analysis**

Input Data:	Var Name	Scenario 1	Scenario 2	Scenario 3	Units	
Total pumping time	t		23		d	
Radial distance from pumped well:	r		2608		ft	<b>Q conversions</b>
Pumping rate	Q		2.698057		cfs	1,210.89 gpm
Hydraulic conductivity	K	66.7	500	1533.3	ft/day	2.70 cfs
Aquifer thickness	b		30		ft	161.88 cfm
Storativity	S_1		0.003			233,112.12 cfd
	S_2		0.2			5.35 af/d
<b>Transmissivity Conversions</b>	T_f2pd	2001	15000	45999	ft <sup>2</sup> /day	<input type="button" value="Recalculate"/>
	T_ft2pm	1.38958333	10.4166667	31.94375	ft <sup>2</sup> /min	
	T_gpd/ft	14967.48	112200	344072.52	gpd/ft	

APOA Well 6/AB2 (NLOG 58051) could not pump the combined authorized rate for the full 245-day irrigation season without exceeding the assigned duties. At the full combined rate of 2.7 cfs, the authorized duty would be reached after 23 days. In addition, scenarios using T1 are not shown below as they would dewater the pumping well.



SWL	16 ft bls	Woodward et al., 1998
Aquifer Bottom	36 ft bls	Woodward et al., 1998
Available Water Column	20 ft	Aquifer bottom-SWL
Pump Height Above Bottom	5 ft	Estimate
NPSHa	5 ft	Estimate
Drawdown	4 ft	LINN 5289 Pump Test
Minimum Water Column	14 ft	Estimated Drawdown + NPSHa + Pump Height
Injury	6 ft	Available Water Column-Minimum Water Column