

Groundwater Transfer Review Summary Form

Transfer/PA # T- 14578

GW Reviewer Grayson Fish Date Review Completed: 1/23/2025

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-14578

Applicant Name: Town of Lakeview

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

Reviewer(s): Grayson Fish

Date of Review: 1/23/2025

Date Returned to WRSD: 1/23/2025

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 add wells as additional points of appropriation to the following certificates related to the Town of Lakeview: 22857, 50821, 56752, 62737, 90394, 91447 and 91733. The below table summarizes the changes proposed by this application:

Certificate		22857	50821	56752	62737	90394	91447	91733
Use		Municipal	Municipal	Municipal	Municipal	QM	Domestic	Municipal
Authorized Rate		1.0 cfs	1.67 cfs	1.33 cfs	0.78 cfs	0.89 cfs	1.56 cfs	1.0 cfs
POA	Well 1 (LAKE 2472)	Proposed	Proposed	Proposed	Proposed	Proposed	Proposed	Proposed ¹
	Well 2 (LAKE 2502)	Authorized	Proposed	Proposed	Proposed	Proposed	Proposed	Proposed
	North Well (LAKE 50703)	Proposed	Proposed	Proposed	Proposed	Authorized	Proposed	Proposed
	Well 6 (LAKE 3017)	Proposed	Authorized	Proposed	Proposed	Proposed	Proposed	Proposed
	Well 7 (LAKE 2496)	Proposed	Proposed	Authorized	Proposed	Proposed	Proposed	Proposed
	Well 8 (LAKE 2493/LAKE 4163)	--	--	--	Authorized ²	--	--	--
	Well 9 (LAKE 52105)	Proposed	Proposed	Proposed	Proposed	Proposed	Authorized	Authorized
	Well 10 (LAKE 53433)	Proposed	Proposed	Proposed	Proposed	Proposed	Proposed	Proposed
	Well 11 (NYC*)	Proposed	Proposed	Proposed	Proposed	Proposed	Proposed	Proposed

NYC Not yet constructed

1 LAKE 2472 is not listed as an authorized POA on Cert 91733.

2 LAKE 2493 listed on water right and is the original log, LAKE 4163 an alteration log.

As noted above, LAKE 2472 is listed on the application as an authorized POA for Certificate 91733, however, only LAKE 52105 is listed as an authorized POA for that certificate within WRIS. This review assumes the applicant proposes to add LAKE 2472 as an APOA for Certificate 91733.

Additionally, LAKE 4163 (an alteration well log) is identified as the well log for Well 8 by the applicant. The original well log for Well 8 is LAKE 2493 and is corelated to the water right in WRIS. This review refers to Well 8 as LAKE 2493.

2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?
 Yes No Comments: The existing and authorized POA source water from the Quaternary aged basin fill deposits which consist of gravel, sand and silt as described in the Generalized Geologic Map of the Lakeview Area, Oregon (DOGAMI, 1980). The below table summarizes available well construction information:

POA	Well Log ID	Well Depth (ft)	Seal Interval (ft)	Casing Interval (ft)	Perforations or Screens (ft)	SWL (ft bls)	Source of water
Well 1	LAKE 2472	405	0 - 40	0 - 390	100 - 240 and 300 - 340	32 on 7/1/1965	Basin Fill Sediments
Well 2	LAKE 2502	230	Not noted	Not noted	Not noted	20 on unknown	Basin Fill Sediments
North Well	LAKE 50703	400	0 - 200	+2 - 381	222 - 370	19.60 on 3/3/2023	Basin Fill Sediments
Well 6	LAKE 3017	360	0 - 80	0 - 360	160 - 240	15 on 7/1/1971	Basin Fill Sediments
Well 7	LAKE 2496	371	0 - 40	0 - 371	71 - 371	55 on 7/6/1976	Basin Fill Sediments
Well 8	LAKE 2493	400	0 - 190	+3 - 400	280 - 380	12 on 5/5/1992	Basin Fill Sediments
Well 9	LAKE 52105	370	0 - 199	+2 - 370	210 - 230 and 285 - 360	21 on 5/29/2008	Basin Fill Sediments
Well 10	LAKE 53433	399	0 - 200	+2 - 299	192 - 299	80.5 on 9/26/2024	Basin Fill Sediments
Well 11	PROPOSED	475	0 - 270	0 - 305	270 - 475	N/A	Basin Fill Sediments

Static water level data is limited for the existing and proposed POA, it is possible that reported static water levels may show seasonal influence from nearby pumping wells and may not reflect static aquifer conditions.

3. a) Is the existing authorized POA subject to a water level decline condition?
 Yes No Comments: Certificate 90394 contains a water level decline condition of 25 feet or more in the permitted well from a reference level of 9.59 feet or the well identified as LAKE 2059 which is located approximately 1 mile northeast of LAKE 50703 (the permitted well on the certificate).
- 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: LAKE 50703 has a reference level of 9.59 ft bls. The most recent groundwater level available on GWIS is 19.60 ft bls measured on 3/3/2023 and has not exceeded the 25-foot decline threshold (see attached hydrograph). Groundwater level data for LAKE 2059 is not available on GWIS.
4. a) Is there more than one source developed under the right (e.g., basalt and alluvium)?
 Yes No Comments: All wells associated with this transfer source water from Quaternary aged basin fill deposits.
- 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: By moving additional pumping rate to wells located near rights such as Permit G-18122 and Certificate 50604, it is possible that existing wells associated with those rights will experience an increase in interference when compared to what was occurring under current conditions.

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: While a given well listed as part of this transfer may be authorized to pump groundwater at a higher rate, the yield of the well is likely to be the limiting factor. For example LAKE 3017 is located ~2000 ft northwest of the mapped location of LAKE 3047, the closest authorized POA for Certificate 50604, Certificate 50821 authorizes LAKE 3017 to appropriate groundwater at a rate of 1.67 cfs (~750 gpm) while the well yield listed on the well log is listed as 800 gpm or 1.78 cf. Given the distance of nearby wells, appropriation rates limited by well yield, and the expected water column of wells in the area (>200 ft), it is unlikely that an increase in interference resulting from the changes proposed by this transfer will result in another groundwater right 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: Increasing the allowable rate of appropriation for wells near East Branch Thomas Creek is likely to result in an increase in interference with the creek due to more capture (higher volume) accruing more rapidly when pumping at an increased rate is occurring at those wells. However, given that the total volume of appropriation is expected to remain the same under this transfer, it is likely that the total interference with surface water sources in the area will remain similar when averaged out in any given year.

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: East Branch Thomas Creek Minimal Significant

Stream: _____ Minimal Significant

Provide context for minimal/significant impact: See above

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: Certificate 90394 should be reviewed to determine if the language of the water right will apply to all APOAs and if the Water Level Monitoring Plan will need to be amended because of this transfer.

9. Any additional comments: _____

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