

Groundwater Transfer Review Summary Form

Transfer/PA # T- 14245

GW Reviewer Darrick E. Boschmann Date Review Completed: 12/18/2023

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-14245

Applicant Name: Oster Farms

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

Reviewer(s): Darrick E. Boschmann

Date of Review: 12/18/2023

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: _____

This application is related to certificates 52879 and 96715.

Certificate 52879 authorizes groundwater pumping from one well (POD 1 = LAKE 1164) for primary irrigation of 38.2 acres in the Goose and Summer Lakes Basin (Fort Rock classified area). The following changes are proposed:

- _____
1. Add one APOA (LAKE 1156).

2. Transfer off 7.2 acres of the POU.

Certificate 96715 authorizes groundwater pumping from one well (POD 1 = no well log on file*) for primary irrigation of 39.7 acres in the Goose and Summer Lakes Basin (Fort Rock classified area). The following changes are proposed:

- _____
1. Add one APOA (LAKE 1156).

2. Transfer off 8.7 acres of the POU.

The transfer application materials provided for this application and the transfer application materials for T-5531 include a well log providing information for the authorized well under certificate 96715 (attached below). This well log does not appear to exist in GRID.

2. Will the proposed POA develop the same aquifer (source) as the existing authorized POA?

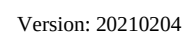
☒ Yes ☐ No Comments: _____

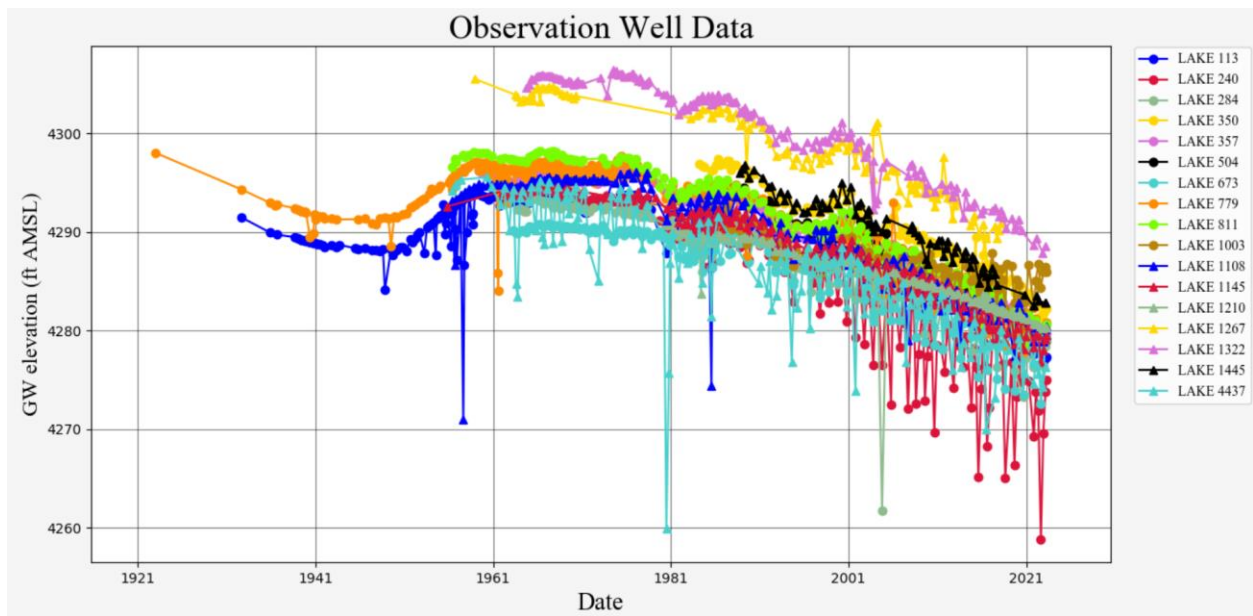
Groundwater in the Fort Rock Valley-Christmas Valley area (Fort Rock Classified Area) is identified as a single groundwater system. Groundwater is found in both a shallower predominantly basin-fill sediment unit and a deeper predominantly volcanic rocks and sediments unit below. The predominantly basin fill sediment unit and the predominantly volcanic rocks and sediment unit both readily yield groundwater, and the two units are hydraulically connected.

Miller (1986) describes the groundwater source as the main groundwater reservoir. That reservoir includes groundwater in different geologic units. The reservoir has three characteristics. First, the "natural" groundwater level changes less than 1.5 feet annually, indicating the system is highly modulated. Second, the 1980s potentiometric surface was approximately 4292 feet elevation amsl basin-wide with Silver Lake an exception. Third, the reservoir consists of numerous water producing zones in several formations, all having an essentially common potentiometric level, and all being very transmissive in general.

The authorized well produces groundwater from water bearing zones within the main groundwater reservoir. The proposed well will also produce groundwater from water bearing zones within the main groundwater reservoir.

3. 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.): _____
4. 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 well is located ~1 mile southeast and ~1.5 miles northeast of the currently authorized wells. This will result in an incremental increase in interference with existing wells at the proposed location.
- 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: _____
- Any increase in seasonal interference is likely to be minimal would be unlikely to meet the standard for substantial or undue interference.
- The long-term impact on the groundwater system should be the same. That impact is to continue contributing to the ongoing annual Fort Rock Classified area groundwater level decline. See attached hydrograph.
5. 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 proposed POA is located further away from hydraulically connected surface water than the authorized POA.
- 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: _____
6. 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: _____
7. What conditions or other changes in the application are necessary to address any potential issues identified above: none.
8. Any additional comments: none.





STATE OF OREGON
WATER WELL REPORT
(as required by ORS 537.785)

RECEIVED
OCT 17 1984

Transfer

(1) OWNER:
Name: Linn Oster
Address: P.O. Box 563
City: XMAS VALLEY State: ORE Zip: 97631
Well Number: T-5531

(2) TYPE OF WORK:
☒ New Well ☐ Deepen ☐ Recondition ☐ Abandon

(3) DRILL METHOD
☒ Rotary Air ☐ Rotary Mud ☐ Cable
☐ Other

(4) PROPOSED USE:
☐ Domestic ☐ Community ☐ Industrial ☒ Irrigation
☐ Thermal ☐ Injection ☐ Other

(5) BORE HOLE CONSTRUCTION:
Special Construction approval Yes ☐ No ☐ Depth of Completed Well 390 ft.
Explosives used Yes ☐ No ☒ Type _____ Amount _____

HOLE		SEAL		Amount	
Diameter	From To	Material	From To	sacks or pounds	
16"	0 60	CEMENT	0 60	30 sacks	

How was seal placed: Method ☐ A ☐ B ☒ C ☐ D ☐ E
☐ Other _____
Backfill placed from _____ ft. to _____ ft. Material _____
Gravel placed from _____ ft. to _____ ft. Size of gravel _____

(6) CASING/LINER:

Diameter	From To	Gauge	Steel	Plastic	Welded	Threaded
Casing: 12"	0 60		☐	☒	☐	☐
Liner: 8"	60 120		☐	☐	☐	☐

Final location of shoe(s) _____

(7) PERFORATIONS/SCREENS:
☐ Perforations Method _____
☐ Screens Type _____ Material _____

From To	Slot size	Number	Diameter	Tele/pipe size	Casing	Liner
None						

(8) WELL TESTS: Minimum testing time is 1 hour
☐ Pump ☐ Bailer ☒ Air ☐ Flowing Artesian
Yield gal/min _____ Drawdown _____ Drill stem at _____ Time _____
1000 _____ 100' _____ 1 hr.

Temperature of water 52° Depth Artesian Flow Found _____
Was a water analysis done? ☐ Yes By whom _____
Did any strata contain water not suitable for intended use? ☒ Too little
☐ Salty ☐ Muddy ☐ Odor ☐ Colored ☐ Other _____
Depth of strata: 34' to 35'

(9) LOCATION OF WELL by legal description:
County LAKE Latitude _____ Longitude _____
Township 20S North Range 19E East or W, WM.
Section 31 SE 1/4 SE 1/4
Parcel as Lot 190 Lot _____ Block _____ Subdivision _____
Street Address of Well (or nearest address) _____

(10) STATIC WATER LEVEL:
20 ft. below land surface. Date 1/20/84
Artesian pressure _____ lb. per square inch. Date _____

(11) WATER BEARING ZONES:
Depth at which water was first found 34'

From	To	Estimated Flow Rate	SWL
34'	35'	50 gpd	
360'	390'	1000 gpd	

(12) WELL LOG: Ground elevation _____

Material	From	To	SWL
CLAY	0	34'	
WATER	34'	35'	
Hard CLAY	35'	80'	
Black sand	80'	110'	
Green clay	110'	200'	
gray clay	200'	250'	
Brown clay	250'	300'	
Dark Brown clay	300'	360'	
Pumice W/B	360'	375'	
Baked Lava Rock W/B	375'	390'	

Date started 12/2/83 Completed 1/20/84

(unbonded) Water Well Constructor Certification:
I certify that the work I performed on the construction, alteration, or abandonment of this well is in compliance with Oregon well construction standards. Materials used and information reported above are true to my best knowledge and belief.
Signed [Signature] WWC Number _____ Date 1/20/84

(bonded) Water Well Constructor Certification:
I accept responsibility for the construction, alteration, or abandonment work performed on this well during the construction dates reported above. All work performed during this time is in compliance with Oregon well construction standards. This report is true to the best of my knowledge and belief.
Signed _____ WWC Number _____ Date _____

WHITE COPIES - WATER RESOURCES DEPARTMENT
YELLOW COPY - CONSTRUCTOR
PINK COPY - CUSTOMER
9000C 10/86

