Groundwater Transfer Review Summary Form

Transfer/PA # T- <u>13044</u>
GW Reviewer Travis Brown Date Review Completed: 5/81/2019
Summary of Enlargement (Same Source) Review:
[] The proposed transfer fails to keep the original place of use from receiving water from the same source.
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.
Summary of Well Construction Assessment:
[] The proposed POA does not have a well log.
[] The proposed POA does not appear to meet current well construction standards. Route through Well Construction and Compliance Section.
This is only a summary. Documentation is attached and should be read thoroughly to understand the basis for determinations.



Oregon Water Resources Department 725 Summer Street NE, Suite A Salem, Oregon 97301-1271 (503) 986-0900

Ground	Water	Review	Form:
N	D. 1.7		

Water Right Transfer
Permit Amendment

WRD S	(503) 986-0900 www.wrd.state.or.	us		GR Mo	dification	1	
Application: T-1	3044			Applicant	Name: M	layfield Farr	ns, LLC
Proposed Chang	es:		APOA POU	☐ SW→GW ☐ OTHER	7 [RA	
Reviewer(s): <u>T</u>	ravis Brown			Ι	Date of Re	view: May 3	31, 2019
		Date R	eviewed by	GW Mgr. a	nd Return	ed to WRSD	0: 0/4/19
			,				
The information transfer may be a			on is insuff	icient to eval	uate whet	her the prop	osed
	vell reports prov the transfer.	vided with	the applica	ation do not c	correspond	I to the wate	r rights
	tion does not in cient to establis				-		
Other	_						
1. Basic description of the changes proposed in this transfer: <u>Applicant proposes to replace one existing POA (CLAC 8666) authorized for up to 32.9 acres of irrigation at 0.41 cfs (~184 gpm) under Certificate 91904* (Priority Date 7/25/1968) to three existing proposed POA:</u>							
•	posed				ice from		
		(Well)			orized	Yield	
<u>Nu</u>		ame	LOGI	_	A [ft]	[gpm]	
		n Well 1 n Well 2	CLAC 68 CLAC 72		120 330	95 1,100	
		e Well 1	CLAC 62		2,280	100	
All three pro	oposed POA ar	e authoriz	ed POA fo	r Permits G-	·17974* ((0.55 cfs, tota	al) and G -
	cfs) and are pr						
⊠ Yes □	_	ents: The a	uthorized l	POA (CLAC	8666) and	the propose	ed POA 1-
3 (CLAC 68175, 72023, and 62437) are all completed in the younger alluvium of the							

3 (CLAC 68175, 72023, and 62437) are all completed in the younger alluvium of the Willamette River floodplain. The authorized POA (CLAC 8666) produces water from gravel between ~80 and ~105 ft below land surface (bls), while the proposed POA 1-3 (CLAC 68175, 72023, and 62437) produce water from saturated sands and gravels between ~30 and ~110 ft bls. Static water level in the authorized POA (CLAC 8666) was reported at 1 ft bls in June 1968, indicating confined conditions. Proposed POA 1-3 (CLAC 68175, 72023, and 62437) likewise appear confined, with reported static water levels around 3 ft bls at their times of completion. All of the saturated alluvial sediments in this area are presumed to be strongly influenced by the seasonal discharge of the Willamette River.

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References

Application Files: T-13044, T-12490

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: U.S. Geological Survey Scientific Investigations Report 2005-5168.

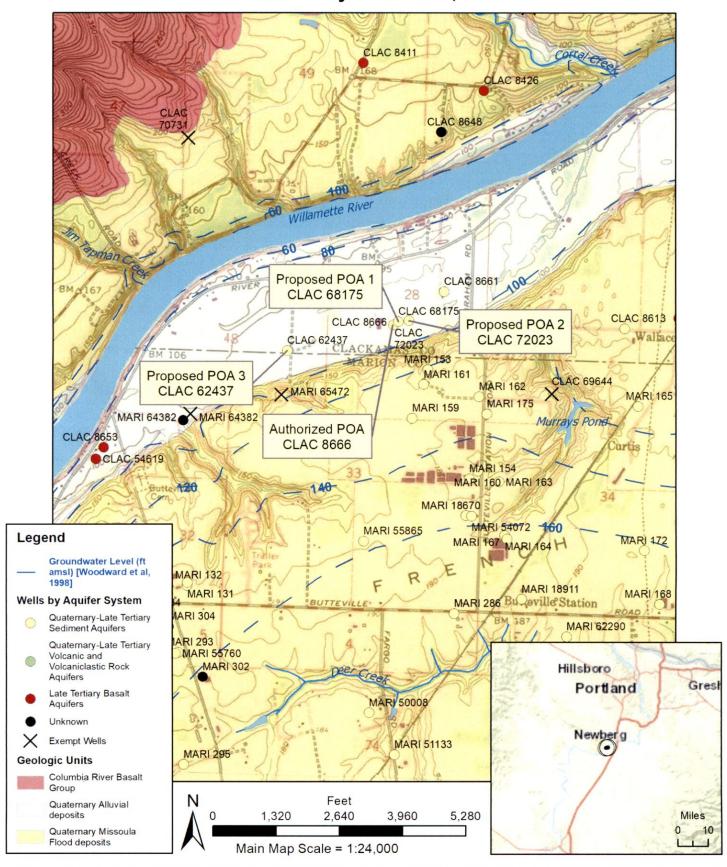
Gannett, M.W. and Caldwell, R., 1998, Geologic framework of the Willamette Lowland aquifer system, Oregon and Washington: U.S. Geological Survey Professional Paper 1424-A, 32 p.

Theis, C.V., 1941, The effect of a well on the flow of a nearby stream: American Geophysical Union Transactions, v. 22, pt. 3, p. 734-738.

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.

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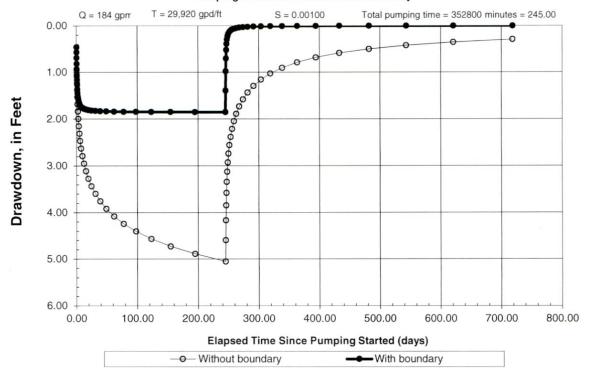
T-13044 Mayfield Farm, LLC



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Theis Drawdown Analysis - CLAC 8666 to CLAC 8661

Theis Drawdown and Recovery for Obs Well at (x,y) = (500,1200) ft From Pumping Well Pumping Well at x = 2100 ft From Boundary



Theis Drawdown Analysis - CLAC 72023 to CLAC 8661

Theis Drawdown and Recovery for Obs Well at (x,y) = (560,780) ft From Pumping Well Pumping Well at x = 2050 ft From Boundary

