## **Groundwater Transfer Review Summary Form**

Transfer/PA # T- <u>13556</u>
GW Reviewer <u>Andrew Wentworth/Travis Brown</u> Date Review Completed: <u>4/10/2023</u>
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 pe 690-380-0100(3).
Summary of GW-SW Transfer Similarity Review:
$\hfill\Box$ 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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	OREGON  WATER RESOURCES DEPARTMENT	Oregon Water Resources Department 725 Summer Street NE, Suite A Salem, Oregon 97301-1271 (503) 096 0000		Ground Water Review Form:  ☐ Water Right Transfer  ☐ Permit Amendment  ☐ GR Modification  ☐ Other			
App	olication: T- <u>13</u>	<u>3556</u>			Applicant Name: V	Will E. McGill Living Trust	
Pro	posed Change	es:	□ POA □ USE	⊠ APOA □ POU	□ SW→GW □ OTHER	□ RA	
Rev	viewer(s): A	ndrev	w Wentworth	/Travis Brown		Date of Review: <u>4/10/2023</u>	
				Date Reviewed	by GW Mgr. and	Returned to WRSD: JTI 2/15/24	
	sfer may be a  The water w	ppro	ved because:			te whether the proposed respond to the water rights	
	affected by t	he tr	ansfer.				
						or proposed to be developed.	
	Other						
1.	Claim GR-1	055. R-10	The propose 55: primary	ed changes are a		proposed transfer pertains to	
	• A	dditi	onal POA:				
		0	Authorized	POA: MARI 16	6030 ("Well No. 2"	").	
		0	also has an		ter right (Claim Gl	"); an existing well which R 1054) for 1.114 cfs, for	
2.	⊠ Yes □	] No	Comment	s: The authoriz	ed POA and propo	e existing authorized POA? <u>osed APOA are similarly</u> <u>vial aquifer system.</u>	

	constructed and obtain groundwater from the same shallow alluvial aquifer system.
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.):

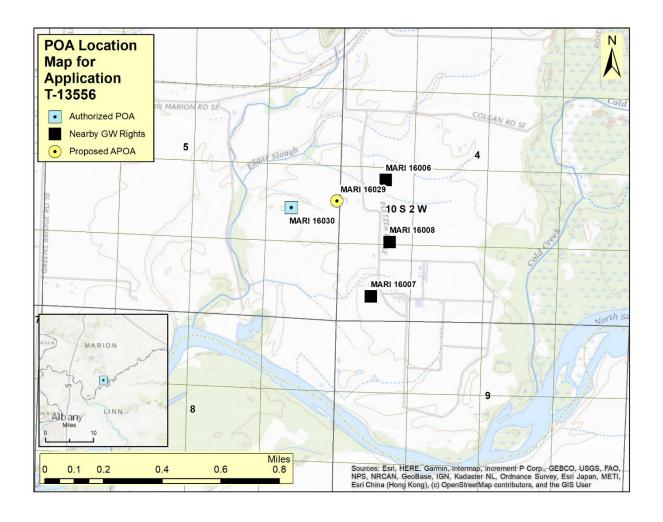
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issues identified above: None

8. Any additional comments: None

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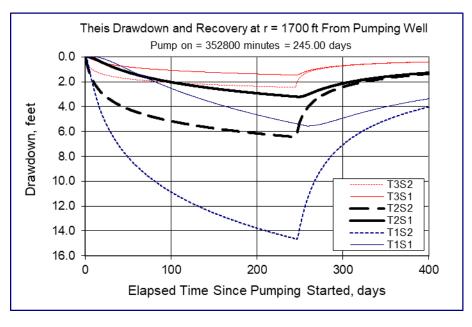
## Theis drawdown analysis: authorized POA (MARI 16030) to nearest groundwater right (MARI 16006, ~1,700 ft)

Theis Time-**Drawdown Worksheet** v.5.00

Calculates Theis nonequilibrium drawdown and recovery at any arbitrary radial distance, r, from a pumping well for 3 different T values and radial distance, r, from a pumping well for 3 different T values and 2 different S values.

Written by Karl C. Wozniak September 1992. Last modified December 17, 2019

Input Data:	Var Name	Scenario 1	Scenario 2	Scenario 3	Units		
Total pumping time	t		245		d		
Radial distance from pumped well:			1700		ft	Q conversion	s
Pumping rate	Q		1.8938		cfs	849.94	pm
Hydraulic conductivity	K	50	150	500	ft/day	1.89	cfs
Aquifer thickness	b		60		ft	113.63	cfm
Storativity	S_1		0.2			163,624.32	cfd
	S_2		0.02			3.76	af/d
Transmissivity	T_f2pd	3000	9000	30000	ft2/day		
Conversions	T_ft2pm	2.0833	6.25	20.833	ft2/min		
	T_gpdpft	22440	67320	224400	gpd/ft		



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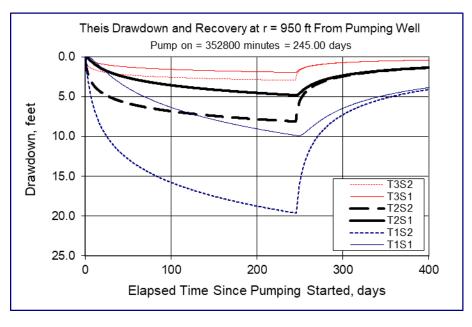
## Theis drawdown analysis: proposed APOA (MARI 16029) to nearest groundwater right (MARI 16006, ~950 ft)

Theis Time-Drawdown Worksheet v.5.00

Calculates Theis nonequilibrium drawdown and recovery at any arbitrary radial distance, r, from a pumping well for 3 different T values and radial distance, r, from a pumping well for 3 different T values and 2 different S values.

Written by Karl C. Wozniak September 1992. Last modified December 17, 2019

Input Data:	Var Name	Scenario 1	Scenario 2	Scenario 3	Units		
Total pumping time	t		245		d		
Radial distance from pumped well:			950		ft	Q conversion	s
Pumping rate	Q		1.8938		cfs	849.94	pm
Hydraulic conductivity	K	50	150	500	ft/day	1.89	cfs
Aquifer thickness	b		60		ft	113.63	cfm
Storativity	S_1		0.2			163,624.32	cfd
	S_2		0.02			3.76	af/d
Transmissivity	T_f2pd	3000	9000	30000	ft2/day		
Conversions	T_ft2pm	2.0833	6.25	20.833	ft2/min		
	T_gpdpft	22440	67320	224400	gpd/ft		



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