

Water Resources, Water Rights, Land Surveying, Engineering, Land Use Planning

Rural Land Consulting

ERICURSTADT@HOTMAIL.COM 971-250-1520 (MOBILE)

Water Resources Department Attn: Transfer Section 725 Summer Street NE, Ste. A Salem, OR, 97301

March 8, 2017

Subject: Application for Permanent Transfer of certificate 47073

To Whom It May Concern,

Enclosed is an Application to permanently change the Place of Use (POU), change the character of Use, and change the Point of Appropriation (POA) for certificate 47073 along with the following attachments:

- 1. Document to demonstrate that signee can sign for the trust.
- 2. Evidence of Use Form
- 3. Well Logs
- 4. Communication with from Groundwater Section pertaining to preliminary approval of change of POA's.
- 5. Transfer Maps
- 6. A check for \$1950 in applications fees.

Notes:

- A Land Use compatibility Statement and Map of the "TO" lands is not included because the proposed Use is municipal within the City of Sublimity (a municipality). Joan Smith of the transfer section verbally approved that this was acceptable.
- This application is being done in conjunction with a Ground Water Registration Modification for GR 2353.

Please let me know if you have any questions need more information.

Respectfully,

Aspen Rural Land Consulting,

Eric Urstadt, PE, PLS

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Cover Letter to WRD



State of Oregon Water Resources Department 725 Summer Street NE, Suite A Salem, Oregon 97301-1266 (503) 986-0900

Application for Permanent Water Right Transfer

Part 1 of 5 – Minimum Requirements Checklist

	Th	is transfer application <u>will be returned</u> if Parts 1 through 5 and all required attachments are not completed and included. For questions, please call (503) 986-0900, and ask for Transfer Section.
Che	ck all ite	ms included with this application. (N/A = Not Applicable)
\boxtimes		Part 1 – Completed Minimum Requirements Checklist.
\boxtimes		Part 2 – Completed Transfer Application Map Checklist.
		Part 3 – Application Fee, payable by check to the Oregon Water Resources Department, and completed Fee Worksheet, page 3. Try the new online fee calculator at: <u>http://apps.wrd.state.or.us/apps/misc/wrd_fee_calculator</u> . If you have questions, call Customer Service at (503) 986-0801.
\boxtimes		Part 4 – Completed Applicant Information and Signature.
\boxtimes		Part 5 – Information about Water Rights to be Transferred: How many water rights are to be transferred? <u>1</u> List them here: <u>47073</u> Please include a separate Part 5 for each water right. (See instructions on page 6)
		Attachments:
\boxtimes		Completed Transfer Application Map.
\boxtimes		Completed Evidence of Use Affidavit and supporting documentation.
	N/A	Affidavit(s) of Consent from Landowner(s) (if the applicant does not own the land the water right is on.)
	N/A	Supplemental Form D – For water rights served by or issued in the name of an irrigation district. Complete when the transfer applicant is not the irrigation district.
	N/A	Land Use Information Form with approval and signature (or signed land use form receipt stub). Not required if water is to be diverted, conveyed, and/or used only on federal lands or if all of the following apply: a) a change in place of use only, b) no structural changes, c) the use of water is for irrigation only, and d) the use is located within an irrigation district or an exclusive farm use zone.
<u>Joa</u>	<u>n Smith o</u>	f the transfer section said this would not (not applicable) be needed because the intended
		use is municipal within the City of Sublimity.
\boxtimes	N/A	Water Well Report/Well Log for changes in point(s) of appropriation (well(s)) or additional point(s) of appropriation.
	N/A	Geologist Report for a change from a surface water point of diversion to a ground water point

✓ N/A Geologist Report for a change from a surface water point of diversion to a ground water point of appropriation (well), if the proposed well is more than 500' from the surface water source and more than 1000' upstream or downstream from the point of diversion. See OAR 690-380-2130 for requirements and applicability.

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Permanent Transfer Application Form - Page 1 of 13

TACS

(For Staff Use Only)							
WE ARE RETURNIN	WE ARE RETURNING YOUR APPLICATION FOR THE FOLLOWING REASON(S):						
Application fee not enclosed/insufficient Map not included or incomplete							
Land Use Form not	enclosed or incomplete		-				
Additional signatur	e(s) required	Part is incomple	ete				
Other/Explanation							
Staff:	503-986-0	.Date://	/				

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Y	SALEM, OR Your transfer application <u>will be returned</u> if any of the map requirements listed below are not met.					
	Please be sure that the transfer application map you submit includes all the required items and matches the existing water right map. Check all boxes that apply.					
\boxtimes	N/A	Certified Water Right Examiner (CWRE) Stamp and Original Signature. For a list of CWREs, see <u>http://apps.wrd.state.or.us/apps/wr/cwre_license_view/</u> . CWRE stamp and signature are not required for substitutions.				
	N/A	If more than three water rights are involved, separate maps are needed for each water right.				
\boxtimes		Permanent quality printed with dark ink on good quality paper.				
\boxtimes		The size of the map can be $8\frac{1}{2} \times 11$ inches, $8\frac{1}{2} \times 14$ inches, 11×17 inches, or up to 30×30 inches. For 30×30 inch maps, one extra copy is required.				
\boxtimes		A north arrow, a legend, and scale.				
		The scale of the map must be: 1 inch = 400 feet, 1 inch = 1,320 feet, the scale of the Final Proof/Claim of Beneficial Use Map (the map used when the permit was certificated), the scale of the county assessor map if the scale is not smaller than 1 inch = 1,320 feet, or a scale that has been pre-approved by the Department.				
\square		Township, Range, Section, ¹ / ₄ ¹ / ₄ , DLC, Government Lot, and other recognized public land survey lines.				
\boxtimes		Tax lot boundaries (property lines) are required. Tax lot numbers are recommended.				
\boxtimes		Major physical features including rivers and creeks showing direction of flow, lakes and reservoirs, roads, and railroads.				
		Major water delivery system features from the point(s) of diversion/appropriation such as main pipelines, canals, and ditches.				
		Existing place of use that includes separate hachuring for each water right, priority date, and use including number of acres in each quarter-quarter section, government lot, or in each quarter-quarter section as projected within government lots, donation land claims, or other recognized public land survey subdivisions. If less than the entirety of the water right is being changed, a separate hachuring is needed for lands left unchanged.				
	N/A	Proposed place of use that includes separate hachuring for each water right, priority date, and use including number of acres in each quarter-quarter section, government lot, or in each quarter-quarter section as projected within government lots, donation land claims, or other recognized public land survey subdivisions.				
<u>Joa</u>	<u>n Smith o</u>	<u>f the transfer section said this would not (not applicable) be needed because the intended</u> use is municipal within the City of Sublimity.				
\boxtimes						
		Existing point(s) of diversion or well(s) with distance and bearing or coordinates from a recognized survey corner. This information can be found in your water right certificate or permit.				
						

N/A If you are proposing a change in point(s) of diversion or well(s), show the proposed location and label it clearly with distance and bearing or coordinates. If GPS coordinates are used,

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latitude-longitude coordinates may be expressed as either degrees-minutes-seconds with at least one digit after the decimal (example $-42^{\circ}32'15.5''$) or degrees-decimal with five or more digits after the decimal (example -42.53764°).

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Part 3 of 5 - Fee Worksheet

	FEE WORKSHEET for PERMANENT TRANSFER (except Substitut	on)	
1	Base Fee (includes one type of change to one water right for up to 1 cfs)	1	\$1,000
	Types of change proposed:		
	Place of Use		
	\boxtimes Character of Use		
	Point of Diversion/Appropriation		
	Number of above boxes checked = $3(2a)$		
	Subtract 1 from the number in line $2a = \frac{2(2b)}{2(2b)}$ If only one change, this will be 0		
2	Multiply line 2b by \$800 and enter » » » » » » » » » » » » » » » » » » »	2	1600
	Number of water rights included in transfer <u>1 (3a)</u>		
	Subtract 1 from the number in 3a above: <u>0 (3b)</u> If only one water right this will		
2	be 0	2	0
3	Multiply line 3b by \$450 and enter » » » » » » » » » » » » » » » » » » »	3	0
	Do you propose to add or change a well, or change from a surface water POD to a well?		
4	$\square \text{ No: enter } 0 \gg \gg$	4	350
	Yes: enter \$350 » » » » » » » » » » » » » » » » » » »	4	330
	\square No: enter 0 on line 5 » » » » » » » » » » » » » » » » » »		
	\searrow Yes: enter the cfs for the portions of the rights to be transferred (see		
	example below*): 0.93 (5a)		
	Subtract 1.0 from the number in 5a above: $-0.07 (5b)$		
	If 5b is 0 or less, enter 0 on line $5 \gg $		
	If 5b is greater than 0, round up to the nearest whole number: (5c)		
5	and multiply 5c by \$300, then enter on line 5 » » » » » » » » »	5	0
6	Add entries on lines 1 through 5 above » » » » » » » » » » » Subtotal:	6	1950
	Is this transfer:		
	necessary to complete a project funded by the Oregon Watershed		
	Enhancement Board (OWEB) under ORS 541.932?		
	endorsed in writing by ODFW as a change that will result in a net		
	benefit to fish and wildlife habitat?		
	If one or more boxes is checked, multiply line 6 by 0.5 and enter on line 7 $$ »		
7	If no box is applicable, enter 0 on line 7» » » » » » » » » » » » » » » » » » »	7	0
8	Subtract line 7 from line 6 » » » » » » » » » » » » » » » Transfer Fee:	8	1950

*Example for Line 5a calculation to transfer 45.0 acres of Primary Certificate 12345 (total 1.25 cfs for 100 acres) and 45.0 acres of Supplemental Certificate 87654 (1/80 cfs per acre) on the same land:

- 1. For irrigation calculate cfs for each water right involved as follows:
 - a. Divide total authorized cfs by total acres in the water right (for C12345, 1.25 cfs $\pm 100 ac$); then multiply by the number of acres to be transferred to get the transfer cfs (x 45 ac = 0.56 cfs).
 - b. If the water right certificate does not list total cfs, but identifies the allowable use as 1/40 or 1/80 of a cfs per acre; multiply number of acres proposed for change by either 0.025 (1/40) or 0.0125 (1/80). (For C87654, 45.0 ac x 0.0125 cfs/ac = 0.56 cfs)
- 2. Add cfs for the portions of water rights on all the land included in the transfer; however do not count cfs for supplemental rights on acreage for which you have already calculated the cfs fee for the primary right on the same land. The fee should be assessed only once for each "on the ground" acre included in the transfer. (In this example, blank 5a would be only 0.56 cfs, since both rights serve the same 45.0 acres. Blank 5b would be 0 and Line 5 would then also become 0).

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Part 4 of 5 – Applicant Information and Signature

Applicant Information

APPLICANT/BUSINESS NAME		PHONE NO.	ADDITIONA	HEGENMED BY OW	RN		
Robert J. & Dorothy C. Se	t c/o Tom	(503) 767-3459	1				
Schumacher, trustee							
ADDRESS				FAX NO.	<u>JUL 1 8 2</u> 017		
PO Box 303				NA			
CITY	STATE ·	ZIP	E-MAIL		SALEM. OR		
Sublimity	OR	97385	NA = Not applicable	9	Crocelal, CH		
BY PROVIDING AN E-MAIL ADDRESS, CONSENT IS GIVEN TO RECEIVE ALL CORRESPONDENCE FROM THE							
DEPARTMENT ELECTRONICALLY. COPIES OF THE FINAL ORDER DOCUMENTS WILL ALSO BE MAILED.							

Agent Information – The agent is authorized to represent the applicant in all matters relating to this application.

AGENT/BUSINESS NAME			PHONE NO.	ADDITIONAL CONTACT NO.			
Aspen Rural Land Consulting,	c/o Eric U	rstadt	971.250.1520	503.647.1919			
ADDRESS				FAX NO.			
39290 NW Murtaugh Road				NA			
CITY	STATE	ZIP	E-MAIL				
North Plains	NA	· · · · · · · · · · · · · · · · · · ·					
BY PROVIDING AN E-MAIL ADDRESS, CONSENT IS GIVEN TO RECEIVE ALL CORRESPONDENCE FROM THE							
DEPARTMENT ELECTRONICALLY. COPIES OF THE FINAL ORDER DOCUMENTS WILL ALSO BE MAILED.							

Explain in your own words what you propose to accomplish with this transfer application, and why: This transfer proposes to change an irrigation right (certificate 47073) into a municipal right to be used within the City of Sublimity and change the Point of Appropriation (POA) to the current City wells as mapped.

Note: This transfer application is being done concurrent with GR Modification of GR 2353 and a partial cancellation of GR 2352. The Water Resources Department (WRD) needs to take this into account when computing the resulting duty (volume) to be allowed by the City of Sublimity.

The owner has had preliminary review by the Groundwater Section that determined that the current POA and proposed City wells obtain water from the same aquifer.

The Watermaster stated that there has not been history of the City's wells causing any problems with nearby wells, which indicates there is no "potential for injury".

The applicant has presented evidence that the current system is and has been capable of producing this rate and duty for several years.

GR 2352 also overlies the portion of the Place of Use (POU) of this transfer and the concurrent GR Mod for GR 2353. In order that the Water Resources Department (WRD) can be sure that the FROM lands subject to this transfer of certificate 47073 and concurrent GR Mod will not have any irrigation right remaining, the applicant shall cancel that portion of the POU of GR 2352 that this transfer is changing, subject to this transfer and the concurrent GR Mod being satisfactorily and favorably issued. If this transfer, the concurrent GR Mod, and the partial cancellation of GR 2352 are all taken into account, no enlargement of the right can occur by continuing to irrigate the FROM lands.

The proposed POU shall be the City of Sublimity. Joan Smith of the Transfer Section said a map of the new POU would not be needed because the intended use is municipal within the City of Sublimity.

The rate being transferred by this transfer should be the ratio of the acres being transferred and the total original acres of 47073. The rate should be 387 gallons per minute (GPM) [= 417 GPM x (68.6 ac / 74.0 ac].

The full 2.5 AF/ac duty (volume) is requested to be transferred to the City of Sublimity for use within the irrigation season. The full 2.5 AF/ac is especially applicable in this situation because the current land owners had multiple sources and multiple layered rights to ensure the full duty (volume) could be produced and used. Therefore, the full 2.5 AF/acre duty is what should be transferred to the City of Sublimity.

The combined duty for the acres covered by the supplemental portion of this transfer application and the accompanying GR Mod for GR 2353 is 76.75 acre-feet (AF) [= 2.5 AF/ac X 30.7ac]. The duty to be transferred that is irrigated by certificate 47073 alone (the primary irrigation area) should be 94.75 acre-feet (AF) [= 2.5 AF/ac X 37.9 acre]. The total duty available to the City of Sublimity from both this transfer and the concurrent GR Mod shall then be 171.5 AF [= 76.75 + 94.75]

If you need additional space, continue on a separate piece of paper and attach to the application as "Attachment 1".

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Check this box if this project is fully or partially funded by the American Recovery and Reinvestment Act. (Federal stimulus dollars)

Check One Box

- By signing this application, I understand that, upon receipt of the draft preliminary determination and prior to Department approval of the transfer, I will be required to provide landownership information and evidence that I am authorized to pursue the transfer as identified in OAR 690-380-4010(5); OR
- I affirm the applicant is a municipality as defined in ORS 540.510(3)(b) and that the right is in the name of the municipality or a predecessor; **OR**
- I affirm the applicant is an entity with the authority to condemn property and is acquiring by condemnation the property to which the water right proposed for transfer is appurtenant and have supporting documentation.

I understand that prior to Department approval of the transfer application, I may be required to submit payment to the Department for publication of a notice in a newspaper with general circulation in the area where the water right is located, once per week for two consecutive weeks. If more than one qualifying newspaper is available, I suggest publishing the notice in the following newspaper: <u>NA</u>

Print Name (and Title if applicable)

Date

I (we) affirm that the information contained in this application is true and accurate.

Applicant signature

umacher Trusteerom Schumacher, trustee Print Name (and Title if applicable) Applicant signaton

Is the applicant the sole owner of the land on which the water right, or portion thereof, proposed for transfer is located? X Yes No If NO, include signatures of all deeded landowners (and mailing and/or e-mail addresses if different than the applicant's) or attach affidavits of consent (and mailing and/or e-mail addresses) from all landowners or individuals/entities to which the water right(s) were conveyed.

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Check the following boxes that apply:



The receiving landowner will be responsible for completing the proposed change(s) after the final order is issued. Copies of notices and correspondence should be sent to this landowner.

Both the receiving landowner and applicant will be responsible for completion of change(s). Copies of notices and correspondence should be sent to this landowner and the applicant.

At this time, are the lands in this transfer application in the process of being sold? \boxtimes Yes \square No

If YES, and you know who the new landowner will be, please complete the receiving landowner information table below. If you do not know who the new landowner will be, then a request for assignment will have to be filed for at a later date.

If a property sells, the certificated water right(s) located on the land belong to the new owner, unless a sale agreement or other document states otherwise. For more information see: http://www.oregon.gov/owrd/docs/transfer-propertytransactions.pdf

RECEIVING LANDOWNER NAME			PHONE NO.	ADDITIONAL CONTACT NO.
City of Sublimity			(503) 559-8257	NA
ADDRESS				FAX NO.
245 Silverton Road				NA
CITY	STATE	ZIP	E-MAIL	
Sublimity	OR	97305	alan.frost@cityofst	ıblimity.org

Describe any special ownership circumstances here: <u>The proposed place of use is within the City of</u> <u>Sublimity, which obviously has multiple owners. The main portion of the current property is</u> <u>being sold to the City of Sublimity.</u>

Check here if any of the water rights proposed for transfer are or will be located within or served by an irrigation or other water district. (**Tip**: Complete and attach Supplemental Form D.)

IRRIGATION DISTRICT NAME	ADDRESS	
None Known		
CITY	STATE	ZIP

Check here if water for any of the rights supplied under a water service agreement or other contract for stored water with a federal agency or other entity.

ENTITY NAME	ADDRESS	· · ·
NA		
CITY	STATE	ZIP

To meet State Land Use Consistency Requirements, you must list all county, city, municipal corporation, or tribal governments within whose jurisdiction water will be diverted, conveyed or used.

ZIP		
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	97305	97305 HECEIVED BY

ENTITY NAME	ADDRESS		JUL 1 8 2017
CITY	STATE	ZIP	
· · · · · · · · · · · · · · · · · · ·			SALEM OR

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Part 5 of 5 - Water Right Information

Please use a separate Part 5 for each water right being changed. See instructions on page 6, to copy and paste additional Part 5s, or to add additional rows to tables within the form.

CERTIFICATE # 47073

Description of Water Delivery System

System capacity: 0.93 cubic feet per second (cfs) OR

NA gallons per minute (gpm)

Note the system capacity is taken as the maximum permitted rate, which includes both primary and supplemental irrigation rights as shown above.

Describe the current water delivery system or the system that was in place at some time within the last five years. Include information on the pumps, canals, pipelines and sprinklers used to divert, convey and apply the water at the authorized place of use. Well #3 has a pump that pumps water to a variety of mainlines and lateral lines and uses a variety of sprinklers and Big Guns to irrigate the primary and supplemental lands.

Table 1. Location of Authorized and Proposed Point(s) of Diversion (POD) or Appropriation	(POA)
(Note: If the POD/POA name is not specified on the certificate, assign it a name or number here.)	

POD/POA Name or Number	Is this POD/POA Authorized on the Certificate or is it Proposed?	If POA, OWRD Well Log ID# (or Well ID Tag # L)	T	wp	R	ርስያ	Sec	1/4	1/4	Tax Lot, DLC or Gov't Lot	Measured Distances (from a recognized survey corner)
Schu W#3	Authorized	MARI 9170	8	S	1	w	35	sw	sw	600	730' S & 170' E of NW S35 (per 47073)
Subl W#1	Authorized	MARI 9149	8	s	1	w	34	SE	SE	700 S34CA	1330'S & 1250' W of E1/4 S34
Subl W#2	Authorized	MARI 9142	8	S	1	w	34	NE	sw	101 S34DC	340' S & 3040' W of E1/4 S34
Subl W#3	Authorized	MARI 9147	8	S	1	w	34	SE	SE	2000 S34D	2000'S & 880' W of E1/4 S34
Subl W#4	Authorized	MARI 9172	8	S	1	w	35	sw	NE	1500 S35	100' N & 2920' E of E1/4 S34

Check all type(s) of change(s) proposed below (change "CODES" are provided in parentheses):

\boxtimes	Place of Use (POU)		Supplemental Use to Prima	ry Use (S to P)
\boxtimes	Character of Use (USE)	\boxtimes	Point of Appropriation/Wel	l (POA)
	Point of Diversion (POD)		Additional Point of Approp	riation (APOA)
	Additional Point of Diversion (APOD)		Substitution (SUB)	
	Surface Water POD to Ground Water POA (SW/GW)		Government Action POD (GOV)
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Will all of the proposed changes affect the entire water right?

Yes Complete only the Proposed ("to" or "on" lands) section of Table 2 on the next page. Use the "CODES" listed above to describe the proposed changes.

No Complete all of Table 2 to describe the portion of the water right to be changed.

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Please use and attach additional pages of Table 2 as needed. See page 6 for instructions.

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Do you have questions about how to fill-out the tables? Contact the Department at 503-986-0900 and ask for Transfer Staff.

Table 2. Description of Changes to Water Right Certificate # 47073

List the change proposed for the acreage in each $\frac{1}{4}$ $\frac{1}{4}$. If more than one change is proposed, specify the acreage associated with each change. If there is more than one POD/POA involved in the proposed changes, specify the acreage associated with each POD/POA.

		<u> </u>						•		or "off" lan						·		<u> </u>						on" lands)		
	Γhe	e lis	-							FORE PRO	POSED CHA	NGES	Proposed			The	list	ting	as it v	would		r AF re ma		ROPÓSED	CHANG	ES
Τv	٨þ	Rn		Sec		-1/4	Tax Lot	Gvt Lot of DLC		Type of USE listed on Certificate	POD(s) or POA(s) (name or number from Table 1)	Date	Changes (see "CODES" from previous page)	Ť₩	'n	Rnş	2	Sec	1/4	3/4	Táx Lot	Gvt Lot or DLC		New Type -of USE	POD(s)/ POA(s) to be used (from Table 1)	Priority Date
		2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -							A.**				EXAMPLE		ar Q Gʻri		*				A				19 19	
2	S	9	E	15	•NE	NW	100		15.0	Irrigation	POD #1 POD #2	1901	POU/POD	2	S	9	E	• 1	NW	NŴ	500	1	10.0		POD #5	1901
														2	S	-9	E	2	sw	NW	500		5.0		POD #6	1901
8	s	1	w	26	sw	sw	600*	NA	17.1	Irrig	Schu W#3	1968	POU/POA/ USE	N A												
8	Ś	1	w	35	NW	NW	600	NA	20.1	Irrig	Schu W#3	1968	POU/POA/ USE													
8	s	1	w	35	NW	NW	601	NA	0.3	Irrig	Schu W#3	1968	POU/POA/ USE				ŀ									
8	S	1	w	35	NE	NW	601	NA	0.4	Irrig	Schu W#3	1968	POU/POA/ USE							,				× .		
8	s	1	w	35	NE	NW	601	NA	2.8	Suppl	Schu W#3	1968	POU/POA/ USE													
8	s	1	w	35	NW	NW	601	NA	14.5	Suppl	Schu W#3	1968	POU/POA/ USE								4					
8	s	1	w	35	SW	NW	601	NA	9.9	Suppl	Schu W#3	1968	POU/POA/ USE													
8	S	1	w	35	SE	NW	601	NA	3.5	Suppl	Schu W#3	1968	POU/POA/ USE								:			-		
						ΓΟΤΑ	LACR	ES:	68.6				Sector.]	ΓΟΤΑ	L ACR	ES:	68.6			

Additional remarks: All lands that have been irrigated within the last 5 years are included in this table and transfer. *This tax lot is ----numbered on the tax map for S35, T8S, R1W. The "NA" is placed because the new POU will be the City of Sublimity, a municipality. N

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For Place of Use or Character of Use Changes

Are there other water right certificates, water use permits or ground water registrations associated with the "from" or the "to" lands? \boxtimes Yes \square No

If YES, list the certificate, water use permit, or ground water registration numbers: "<u>FROM" lands –</u> <u>GR2353. "TO" lands – it is assumed that multiple water rights exist in the City of Sublimity municipal</u> area, and they are not listed as it is not believed to be of consequence to this transfer.

Pursuant to ORS 540.510, any "layered" water use such as an irrigation right that is supplemental to a primary right proposed for transfer must be included in the transfer or be cancelled. Any change to a ground water registration must be filed separately in a ground water registration modification application.

For Substitution (ground water supplemental irrigation will be substituted for surface water primary irrigation)

Ground water supplemental Permit or Certificate # <u>NA;</u> Surface water primary Certificate # <u>NA.</u>

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For a change from Supplemental Irrigation Use to Primary Irrigation Use JUL 1 8 2017

Identify the primary certificate to be cancelled. Certificate # \underline{NA}

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For a change in point(s) of appropriation (well(s)) or additional point(s) of appropriation:

Well log(s) are attached for each authorized and proposed well(s) that are clearly labeled and associated with the corresponding well(s) in Table 1 above and on the accompanying application map.
 Tip: You may search for well logs on the Department's web page at: http://apps.wrd.state.or.us/apps/gw/well_log/Default.aspx

AND/OR

Describe the construction of the authorized and proposed well(s) in Table 3 for any wells that do not have a well log. For *proposed wells not yet constructed or built*, provide "a best estimate" for each requested information element in the table. The Department recommends you consult a licensed well driller, geologist, or certified water right examiner to assist with assembling the information necessary to complete Table 3.

Table 3. Construction of Point(s) of Appropriation

Any well(s) in this listing must be clearly tied to corresponding well(s) described in Table 1 and shown on the accompanying application map. Failure to provide the information will delay the processing of your transfer application until it is received. The information is necessary for the department to assess whether the proposed well(s) will access the same source aquifer as the authorized point(s) of appropriation (POA). The Department is prohibited by law from approving POA changes that do not access the same source aquifer.

NOTE: The source of the well construction data below is the well logs. The groundwater section has been contacted about this transfer and it may be more informative to access their files or Attachment 4.

Proposed or Authorized POA Name or Number	Is well already built? ((Yes or No)	If an existing well: OWRD Well ID Tag No. L-	Total well depth	Casing Diameter	Casing Intervals (feet)	Seal depth(s) (intervals)	Perforated or screened intervals (in feet)	Static water level of completed well (in feet)	Source aquifer	Well -specific rate (cfs or gpm). <u>If</u> less han full rate of water right
Schu W#3	yes	MARI 9170	300	12 3/4"	.5-59.5	0-59	none	93	basalt	800

Proposed or Authorized POA Name or Number	Is well already built? ((Yes or No)	If an existing well: OWRD Well ID Tag No. L	Total well depth	Casing Diameter	Casing Intervals (feet)	Seal depth(s) (intervals)	Perforated or screened intervals (in feet)	Static water level of completed well (in feet)	Source aquifer (sand, gravel, basalt, etc.)	Well -specific rate (cfs or gpm). <u>If</u> less han full rate of water right
Subl W#1	yes	MARI 9149	370	8"	0-210	none	none	68	basalt	90
Subl W#2	yes	MARI 9142	317	10"	0-191	74-190	None	68	basalt	300
Subl W#3	yes	MARI 9174	265	10 3/4"	2/3 - 171	171	None	80	basalt	420
Subl W#4	yes	MARI 9172	595	8"	+1-476	476	?-280	220	basalt	600

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Page 13 | 13

NOTICE TO WATER WELL CONTRACTOR EIVER	LL REPORT RUNNER	Аттасн 3-Ую 8/1w-35D
STATE ENGINEER, SALEM, OREGON 97310 FNCINFF Please tvi		
within 30 days from the date of well completion. SALEM OREGON	State Lenne M	·
	G-4426	
(1) OWNER:	(11) LOCATION OF WELL:	
Name Robert J. Schumacher	County Marion Driller's well nu	11111111111111111111111111111111111111
Address Rt.1 Box 34	34 34 Section T.	R. W.M.
Sublimity, Ore.	Bearing and distance from section or subdivision	n corner
(2) TYPE OF WORK (check):		
New Well 🕅 Deepening 🗌 Reconditioning 🗌 Abandon 🗍	·····	•
If abandonment, describe material and procedure in Item 12.		
(3) TYPE OF WELL: (4) PROPOSED USE (check):	(12) WELL LOG: Diameter of well h	below casing <u>113/4</u>
Rotary Driven Cable Jetted Domestic Industrial Municipal	Depth drilled 300 ft. Depth of compl	
🗌 🗌 Bored 🗌 🕴 Irrigation 🏝 Test Well 🗋 Other	Formation: Describe color, texture, grain size	
(5) CASING INSTALLED: Threaded □ Welded ⊠ 123/4Diam. from 2+0 ft. to 592 ft. Gage .250	and show thickness and nature of each stratu with at least one entry for each change of form in position of Static Water Level as drilling pro-	m and aquifer penetrated, ation. Report each change
"Diam. from	MATERIAL	From To SWL
" Diam. from		
	<u>Red clay</u> Yellow clay	
Yes PERFORATIONS: Perforated? [] Yes [] No.	White clay	10 20
Type of perforator used	Yellow clay	2026 26 11ft
Size of perforations in. by in.	Grey welded tuffs	26 56
perforations from ft. to ft.	Basalt -hard	56 110
	Basalt-vescular	110 117 93ft
ft, to ft, to	Basalt very hard	117 140
ft. to ft.	Basalt vescular	140 185
ft. toft.	Basalt very hard	185 235
(7) SCREENS: Well screen installed? 🗆 Yes 🖬 No	Basalt_vescular	235 260
Manufacturer's Name	Basalt very hard	260 271
Type Model No.	Basalt vergulara F	274 300
Diam Slot size Set from ft. to ft.	·	
Diam Slot size Set from ft. to ft.		
(8) WATER LEVEL: Completed well.	MEGEIVED (
c level 93 ft below land surface Date 9/1/67		
Artesian pressure lbs. per square inch Date	JUL 1 8	2017
(9) WELL TESTS: Drawdown is amount water level is lowered below static level	SALEM	
Was a pump test made? I Yes I No If yes, by whom? Stettler		· · · · · · · · · · · · · · · · · · ·
d: 800 gal./min. with 107 ft. drawdown after 12 hrs.	Work started 10/16/67 19 Complet	
· 710 · 89 · 1호 ·	Date well drilling machine moved off of well.	2/1/67 19
<u>" 600 " 82 " 1</u> , "	Drilling Machine Operator's Certification:	
Bailer test 500 gal./min. with 60 ft. drawdown after ² hrs.	This well was constructed under my dirichly a sed and information reported above	
Artesian flow g.p.m. Date	knowledge and belief.	are wae to my best
Temperature of water Was a chemical analysis made? [] Yes [] No	knowledge and belief. [Signed]	Date 12-5, 1967
(10) CONSTRUCTION:	Drilling Machine Operator's License No	
Well seal-Material used	h	
Depth of seal	Water Well Contractor's Certification:	
Diameter of well bore to bottom of seal16in.	This well was drilled under my jurisd true to the best of my knowledge and beli	iction and this report is ef.
Were any loose strata cemented off? [] Yes [] No Depth	· · · ·	
Was a drive shoe used? [] Yes 🕅 No	NAME	(Type or print)
Did any strata contain unusable water? Yes No	Address	Salem One
Type of water? depth of strata	il all	Sul Oury Or Or
Method of sealing strata off	[Signed] harry allotimo	<i>۲</i>
Was well gravel packed? [] Yes [] No Size of gravel:	(Water Well Contrac	
Gravel placed from ft. to ft.	Contractor's License No. 22 Date	12/5/67 , 19
(USE ADDITIONAL S)	HEETS IF NECESSARY) 1272	

STATE ENGINEER Salem, Oregon

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REMARKS:

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STATE WELL NO. <u>8/1W-34K(1)</u> COUNTY <u>Marion</u> APPLICATION NO GR-323

Salony Cregon	ANT			ATION NO. GI	R - 323
OWNER:Town.of.	Sublimity		-	Hall	
	L: Owner's Nol		Sub1	imity, Oregon	
	24	z. W., W.M.			3-2/10
•	ns North and 22.7 chai	ns West			
	of Section 34. Lot 8.				
	•	•			
				ĸ	
				<u></u> @	
Altitude at well) feet Interpolated				
TYPE OF WELL: Dril	led Date Constructed	<u>Mar. 1948</u>			
Depth drilled			Section		
FINISH: unknown					
	and a constant of the second	· · · · · · · · · · · · · · · · · · ·			
AQUIFERS:					•
basalt from 212 to	5 370 feet				
WATER LEVEL: 68 feet below land	l surface			- *	
PUMPING EQUIPME Capacity	NT: Type G.P.M.			H.P	
WELL TESTS: Drawdown 7	ft. after	hours	pumping 90		GPM
	It. after				•
		and the second	27		
SOURCE OF INFORM DRILLER or DIGGER	Aicipal 90 gpm ATION GR-305 &	_			, 19
ADDITIONAL DATA: Log .yes Water	Level Measurements	Chemical Ar	nalysis	Aquifer Test .	

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State Well No. 8/1W-34K(1)

County Marion

Well Log

Application No. GR-323 $3-\frac{3}{10}$

Owner: Town of Sublimity	Owner's No#1						
Driller:	Date DrilledMarch						
CHARACTER OF MATERIAL	(Feet belo From	w 'and surface) To	Thickness (feet)				
Soil, top & clay, red	0	21	21				
Clay, yellow	21	50	29				
Clay, blue	50	60	10				
Clay, yellow	60	90					
Clay, with scattered rock		110	20				
Clay, yellow	110	118	8				
Clay, blue	118	125	7				
Clay, gray		140	15				
Clay, red - scattered gravel (?) (contact?)WSB	140	158					
Clay, brown	158	170	12				
Conglomerate (contact) ? WSB	170	198					
Rock, gray	198	212	14				
Rock, black	212	232	20				
Rock, black lava	232	264					
Rock, gray	264	270	6				
Clay, blue & brown	270	279	9				
Rock, black porous	279	294	15				
Rock, black	294	347	53				
Rock, black hard	347	356	9				
Rock, Black	356	370	14				
	RE		WRD				
a		JUL 1 8 2017					

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State Well No. 8/1W - 34K(1)
State Well No. 3/1W - 34K(1)

3

County MARION

Application No. 6R- 323

Water Level Record

OWNER: TOWN OF SUBLIMITY

----- OWNER'S NO.

Description of measuring point: OWNERS AIRLINE & GAGE SET 1' ABOVE LSO LENGTH - 190'

Date	Water Level Feet (above) Land Surface	Remarks	Date	Water Level Feet (above) Land Surface	Remarks
3-29-61	70.1	438 592637 METER			
7-28-61	82.7	WSB 67/223.6 -			
1-30-62	96.6	RD PUMPING			
	······································				
					······································
REMARKS	S:			RECE	VED BY OWRD
				JL	JL 1 8 2017
********					SALEM, OR
		State Pr	Inting 89314	T 12720	

· · · · · · · · · · · · · · · · · · ·	M 7 (9.1432)	•	3-5/10
		1.	- 141
File Original and WI WATER WE First Copy with the MAR 3 1961 STATE OF		145	-342
STATE ENGINEER STATE PAILINEED STATE OF	OREGON State Permit No		
(1) OWNER: SALEM. OREGON	(11) WELL TESTS: Drawdown is amount w lowered below static lev	el	
Name Town of Sublimity Address Sublimity, Oregon	Was a pump test made? F Yes DNo If yes, by whom Yield: 150 gal./min. with 49 ft. drawdowr		Lers
	<u>vield: 150 gal./min. with 49 ft. drawdowr</u> 200 " 74 "	after	8 mrs
	<u> </u>		8 ".
(2) LOCATION OF WELL:	Bailer test 70 gal./min. with 20 ft. drawdown	after 20	
County Marion Owner's number, if any-	Artesian flow g.p.m. Date		
NE 14 SW 14 Section 34 T. 85 R. /W W.M.	Temperature of water 52 Was a chemical analysis ma	ie? 🗋 Yes	X No
2300 ft. north & 2175 ft. east		10	
from S.W. corner of Sec. 34, T.8 S.	(12) WELL LOG: Diameter of well Depth drilled 317 ft. Depth of completed we	57 1 17	inches.
R.1 W., of W.M.			ft.
	Formation: Describe by color, character, size of material show thickness of aquifers and the kind and nature of t stratum penetrated, with at least one entry for each ch	he materia	l in each
	MATERIAL	FROM	TO 1.7
(a) EXTER OF WORK (shock):	Top soil-br.,	0	
(3) TYPE OF WORK (check): New Well 祃 Deepening □ Reconditioning □ Abandon □	Dirt-br.,	1	
If abandonment, describe material and procedure in Item 11.	Clay-br.,	- 3	30
	Clay-grey,	30	70
PROPOSED USE (check): (5) TYPE OF WELL:	Clay- redish br.,	70	76
Domestic 🗋 Industrial 🗋 Municipal 🎽 Rotary 📮 Driven 🗍 Cable 🔁 Jetted 🗍	Clay- light grey,	76	80
Irrigation 🗌 Test Well 🗋 Other 🔲 Dug 🛄 Bored 🗍	Shale-greyish green, sticky,	80	89
(6) CASING INSTALLED: Threaded D., Welded	Rock- greyish blue, med. hard,	89	145
(6) CASING INSTALLED: Threaded □ Welded ▲ 10 Diam. from 0 ft. to 190-108ft. Gage • 280	Rock-med.hard,grey,with Quart and Silica mixed.	145	148
	Rock- med.hard,grey,with Quar		1-10
	Silica, and decayed wood.	148	169
	Shale-light grey, sandy, soft		
(7) PERFORATIONS: Perforated? Yes X No	and sticky.	169	172
Type of perforator used SIZE of perforations in. by	Shale-grey,firm,	172	174
	Shale-grey, soft & sticky	174	182
ft, to ft,	Rock-hard, black,	182	190
ft. to ft.	Rock- very hard, dark grey,	190 205	205.
	Rock- very hard, black, Rock- med. hard, black,	215	218
perforations from ft. to ft.	Shale- soft, grey,	218	222 -
(8) SCREENS: Well screen installed \Box Yes \Box KNo	Rock-med.hd., porous, bl., water	, 222	251
Manufacturer's Name	Rock-hard, black,	251	265
Type Model No	Shale-med.hd.,grey,	265	275
Diam Slot size Set from ft. to ft.	continued on attached copy.		
2	Work started Aug. 25, 1960. Completed OC	t,21,	1960
(9) CONSTRUCTION:	(13) PUMP:		
Was well gravel packed? Yes X No Size of gravel:		EIVED P	BY OWRD
Gravel placed from ft. to ft,	Туре:	H.P	
Was a surface seal provided? Eves \Box No To what depth? ft.		JUL 1 8	2017
Material used in seal- Concrete-from 74 ft.to 190 Did any strata contain Dhisbled water 田辺会 直知の町 0 to 74 f	Wen Dinier's Stavements		
Type of water? Depth of strata	 This well was drilled under my jurisdiction a true to the best of my knowledge and belief. 		
Method of sealing strata off		SALEM	, OH
(10) WATER LEVELS:	(Person, firm, or corporation) (T	pe or print	
	Address Rte.3, Box 169, Silverton	,Oreg	on
Static level O8 ft. below land surface Date 10/21/00. Artesian pressure lbs. per square inch Date 344			
	Driller's well number	1,	••••••
Log Accepted by:	[Signed] Jaul A. Slade	le	
[Signed]	(Well Driller)	h 30	10 60
(Owner)	License No. 296 Date Marc	<u>11<i>67</i></u>	, 19.00
(USE ADDITIONAL SI	HEETS IF NECESSARY)		
	T 12720		

Irrigation Test Weil Other Cante Dug Borded number Dug Borded Dug Borded (6) CASING INSTALLED: Threaded Weided "Diam. from ft. to ft. Gage "Diam. from ft. to ft. Gage "Diam. from ft. to ft. Gage "Diam. from ft. to ft. Gage "Diam. from ft. to ft. Gage "Diam. from ft. to ft. Gage "Diam. from ft. to "Diam. from ft. to ft. to ft. to perforations from ft. to ft. to ft. to perforations from ft. to th perforations from ft. to ft. to perforations from ft. to ft. to ft. to mutuacturer's Name Type Slot size Set from ft. to <	- REGENCED MIRI		
Name 120WI 0.1 SUD_INITY Address Address Address Address Address Address (3) LOCATION OF WELL: The second of the second or address of the second on a second or address of the second on address of the	FIRST COPY WITH ATE ENGINEER STATE OF	FOREGON	(3-%
Additional-shoet. Additional-shoet. (2) LOCATION OF WELL: Conner number. if any- if is factor if is factor factor if is factor			is
(2) LOCATION OF WELL: County Owner's number, if any— Balte test and to be added to	Address	Yield: 260 gal./min. with 104 ft. drawdown after	
N N N N N Barding and distance from section or subdivision corner Image: Non-Section of subdivision corner Image: Non-Section section of subdivision corner Image: Non-Section section corner	(2) LOCATION OF WELL:	· · · · · · · · · · · · · · · · · · ·	
(B) WELL LOG: Danceter d well 10 Index (3) TYPE OF WORK (check): Amendon Dermin direction therefore, data of manefore, and directive method and provider, and directive method and provider method and directive method and directive method and provider method and directive method and provider method and directive directive method and directive method and directive directive method and directive directive method and directive dir	1/4 1/4 Section T, R. W.M.		es 🗆 No
(3) TYPE OF WORK (check): The second diverse and second results and procedure in them interval of the second diverse of the metric of the second diverse of the metr	Bearing and distance from section or subdivision corner	(12) WELL LUG: Diameter of Well	
(3) TYPE OF WORK (check): New Weil □ Desenditioning □ Abandon □ Abandon □ New Weil □ Desenditioning □ Reconditioning □ Abandon □ Abandon □ Stock - very hard, black, 312 317 '' Band.ornent, describe material I multiclated and procedure to Isen 11. Stock - very hard, black, 312 317 Stock - very hard, black, 312 317 '' Band.ornent, describe material □ Multiclepi □ Descend □ Stock - very hard, black, 312 317 '' Diam. trom			cture, and al in each formation.
(a) (A			
Washindonment, describe material and procedure in liem 11. Water at 200 ft., 230 ft. to 250 ft., Water at 200 ft., 230 ft. to 250 ft., Water at 200 ft., 230 ft. to 250 ft., Water at 200 ft., 230 ft. to 250 ft., Water at 200 ft., 230 ft., 250 ft., Water at 200 ft., 250 ft., (f) CASING INSTALLED: ft. 6 gae Stater at 20 ft., 250 ft., Water at 20 ft., 250 ft., <	(3) TYPE OF WORK (check):		······································
'BOPOSED USE (check): (5) TYPE OF WELL: Domestic Industrial Monitopia Drigstion Test Well Other Other Duty Diven Duty Diven Diven Duty Diven Diven "Diam from ft to Diven "Diam from ft to ft Gage "Diam from ft to ft perforations from ft to ft perforations from ft to ft Stot aize set from ft to			<u> </u>
Content Coble <			<u> </u>
(6) CASING INSTALLED: Threaded weided " Diam. fromft toft. Gage	Domestic 🔲 Industrial 🔲 Municipal 🔲 Rotary 🗌 Driven 🗌 Cable 🛄 Jetted 🗌		
→ Diam. from ft. to ft. Gage → Diam. from ft. to ft. ft. Gage → Diam. from ft. to ft. ft. Gage → Diam. from ft. to ft. ft. Gage → perforations from ft. to ft.	(6) CASING INSTALLED: Threaded Welded	Cement jarred loose or drawing main	
	" Diam. from ft. to ft. Gage		e out -
(7) PERFORATIONS: Pertorated? Yes No Type of perforations from in. by in. in. by	" Diam. from ft. to ft. Gage		
SIZE of perforations in. by in. perforations from ft to ft. perforations from ft to ft. perforations from ft. to ft. manufacturer's Name JUL 1 & 2017 Type Model No. ft. Slot size Set from ft. to ft. Was well gravel packed? Yes No Size of gravel: ft. Gravel placed from ft. to ft. ft. Material used fn seal			·
perforations from ft. to ft. (8) SCREENS: Well screen installed Yes Wanufacturer's Name Model No. ft. Dia Slot size Set from ft. to Slot size Set from ft. to ft. Wark a surface seal provided? Ves No To what depth? ft. Did any strate contain unusable water? Yes No To what depth? Did any strate contain unusable water? Yes No This well was duilled under my jurisdiction and this report is Type of water? Depth of strata Well Driller's Statement: This well was duilled under my jurisdiction and this report is Method of sealing strata off (2ype or printi) Address Driller's well number Log Accepted by: [Signed] Date 19. (Well Driller)	SIZE of perforations in. by in.		
perforations from ft. to ft. perforations from ft. to ft. perforations from ft. to ft. (8) SCREENS: Weil screen Installed Yes No Manufacturer's Name		BECEIVED BY OWRD	
	•		
Manufacturer's Name		JUL 1 8 2017	
Type Model No. Distance Set from ft. to Slot size Set from ft. to (9) CONSTRUCTION: Mass asurface seal provided? Yes Was a surface seal provided? Yes No Type of water? Depth of strata Method of sealing strata off Manufacturer's Name (10) WATER LEVELS: Static level Static level ft. below land surface Date Artesian pressure Ibs. per square inch Date Log Accepted by: (Owner) [Signed] Oate (Owner) Date		SALEM. OR	
Slot size Set from ft. to ft. (9) CONSTRUCTION: Work started 19 Completed 19 Gravel packed? Yes No Size of gravel: Maufacturer's Name Type: H.P. Gravel placed from ft. to ft. Maufacturer's Name H.P. H.P. Material used in seal- Did any strata contain unusable water? Yes No To what depth? ft. Type of water? Depth of strata Method of sealing strata off MAME (Person, tirm, or corporation) (Type or print) Address Driller's well number Isigned] (Well Driller) Isigned] (Well Driller) [Signed] Owner) Date 19. (Well Driller) Isigned] 19.	Type		
Was well gravel packed? Yes No Size of gravel: Gravel placed from ft. to ft. Was a surface seal provided? Yes No Type of water? Depth of strata Method of sealing strata off (10) WATER LEVELS: Static level ft. below land surface Date Artesian pressure lbs. per square inch Date Log Accepted by: [Signed] (Owner) Date (Owner) Manufacturer's Name Type: Manufacturer's Name Type		Work started 19 . Completed	19
Gravel placed fromft. toft. Was a surface seal provided? [] Yes [] No To what depth?ft. Material used in seal Did any strata contain unusable water? [] Yes [] No Did any strata contain unusable water? [] Yes [] No Type of water? Depth of strata Method of sealing strata off (10) WATER LEVELS: Static level	(9) CONSTRUCTION:	(13) PUMP :	
Was a surface seal provided? Yes No To what depth? ft.	Was well gravel packed? 🗌 Yes 🗌 No Size of gravel:		
Did any strata contain unusable water? Yes No Type of water? Depth of strata This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. Method of sealing strata off NAME (Person, firm, or corporation) (Type or print) Attestan pressure Ibs. per square inch Date Date Driller's well number [Signed] (Owner) Date 19	Was a surface seal provided? [] Yes [] No To what depth? ft.		
Type of water? Depth of strata Method of sealing strata off It below land surface Date (10) WATER LEVELS: Static level ft. below land surface Date Artesian pressure lbs. per square inch Date Log Accepted by: [Signed] (Owner) Date Date 19			nonant :-
Method of sealing strata off NAME (10) WATER LEVELS: Static level ft. below land surface Date Static level ft. below land surface Date Address Artesian pressure lbs. per square inch Date Driller's well number Log Accepted by: [Signed] (Owner) Date Date 19			101.12
(10) WATER LEVELS: Static level ft. below land surface Date Artestan pressure lbs. per square inch Date Log Accepted by: [Signed] (Owner) Date Date	Method of sealing strata off	N A M TP	
Artestan pressure lbs. per square inch Date Date Log Accepted by: [Signed] [Signed] (Well Driller) [Signed] Date 19		1	
Log Accepted by: [Signed]		Driller's well number	
[Signed] Date	Log Accepted by:		
(USE ADDITIONAL SHEETS IF NECESSARY) T 12720	[Signed], 19		
	(USE ADDITIONAL S	HEETS IF NECESSARY) T 12720	\sim

			••••••	- 71	
NOTICE TO WATER WELL CONTRACTOR The original and first copy of this report are to be filed with the	AUG 5WATER WE	ELL REPORTM \ ?	3/1w.	3-110 -34 R	
STATE ENGINEER, SALEM, OREGON 97310 within 30 days from the date of well completion.	ATE EN IGINE	F OREGON pe or print) State Permit No.			
(1) OWNER:	MILL COME	(11) WELL TESTS: Drawdown is amount w lowered below static te	vater level	l is	
Name Marion Home	3	Was a pump test made? Yes No If yes, by whom:		ttler	
Address Sublimity.				<u>.</u>	
Cuot int by		Xield: 200 gal./min. with 17ft. drawdow " 300 " 330	m after	hrs.	
(2) LOCATION OF WELL:		<u> </u>		<u> </u>	
(2) LOCATION OF WELL:		Tellus de d		2	
County Marion Driller's wel	1 number 8/1W-3/1R	Bailer test gal./min, with ft. drawdo	wn after	hrs.	
14 14 Section T.	R. W.M.	Artesian flow g.p.m. Date			
Bearing and distance from section or subdivis	sion corner	Temperature of water Was a chemical analysis r	nade? 🔲 Y	Ces 🗌 No	
	-	(12) WELL LOG: Diameter of well below ca	asing	0	
		Depth drilled 265 ft. Depth of completed w	ell 26	Г. е.	
· · · · · · · · · · · · · · · · · · ·	••••••••••••••••••••••••••••••••••••••				
		Formation: Describe by color, character, size of materia show thickness of aquifiers and the kind and nature of stratum penetrated, with at least one entry for each c	t and stru the materi	cture, and al in each	
-	·· · · · · · · · · · · · · · · · · · ·	strutum penetrated, with at least one entry for each c	nange of j	formation.	
		MATERIAL,	FROM	то	
(3) TYPE OF WORK (check):		Top soil	0	2	
New Well 🗶 Deepening 🗌 Recon	ditioning 🗌 🛛 Abandon 🗍	Yellow clay	2	80	
ndonment, describe material and proce	dure in Item 12.	Clay yellow, L grey, dk	<u> </u>		
PROPOSED TISE (-11-)			80	7 80	
(>) PROPOSED USE (check):	(5) TYPE OF WELL:	grey and red	00	170	
Domestic 🔲 Industrial 🗌 'Municipal 🔲	Rotary 🗌 Driven 🗌 Cable 🕅 Jetted 🗖			·	
Irrigation 🕅 Test Well 🗌 Other 📃	Cable 💁 Jetted 🗌 Dug 🗌 Bored 🗌	Basalt badly broken up	[
(6) CASING INSTALLED: Three		with volcanic ash imbedded			
	aded 🔲 Welded 🕅	in the seams	170	265	
10 3/4 Diam. from 2/3 + Qt. to	171 ft. Gage .250			·····	
ft. to	ft. Gage	Hole raveled in badly at	200_		
ft. to		· · · · · · · · · · · · · · · · · · ·			
(7) PERFORATIONS: Perf		Do not recommend pump set			
(1) I MIT OMATIONS. Perf	orated? 🗋 Yes 🧝 No	below 175 ft			
Type of perforator used					
Size of perforations in. by	in				
perforations from					
perforations from	ft. to ft.				
perforations from	ft. to ft.	RECEIVED BY OWRD			
	ft. toft.	· · ·			
perforations from	ft. to ft.				
(8) SCREENS: Well screen inst	alled? 🗆 Yes 🏝 No	JUL 1 0 2017			
Manufacturer's Name		SALEM, OR		· · ·	
Type 1					
I Slot size Set from		Work started 7-13 196), Completed	3-3-64	19	
Slot size Set from	ft. to ft.	Date well drilling machine moved off of well 8-11-	61	19	
(9) CONSTRUCTION:		(13) PUMP:			
Bentor	nite clay & drill				
Well seal-Material used in seal Bentor	alling	Manufacturer's Name			
Depth of seal ft. Was a	packer used?Ino	Туре: Е	(.P		
Diameter of well bore to bottom of seal		Water Well Contractor's Certification:			
Were any loose strata cemented off? Yes] No Depth	water wen contractor's cermication;			
Was a drive shoe used? Yes No	· · ·	This well was drilled under my jurisdiction a	and this	report is	
	ize of gravel:	true to the best of my knowledge and belief.			
Gravel placed from ft. to ft.					
Did any strata contain unusuable water? 🔲	Yes 🗌 No	(Person, firm or corporation) (Type or print)			
Type of water? depth of :	strata	Address 2214 Front St. NE Sale	m, Or	e	
Method of sealing strata off		4.0	•		
(10) WATER LEVELS:		Drilling Machine Operator's License No. 03			
0-		ISIMUST ALL OFF			
Static level 80 ft. below land surface Date 8-3-64 [Signed] (Water Well Contractor)				-	
Artesian pressure . Ibs. per squ					
	(USE ADDITIONAL SH			., 10	
•		1 1 2 / 2 0			

JAN 27 1989	SHF2 VEL	9172)	$\mathbb{R}[]$	W/3	50	āQ)
• WATER WELL REPORT WATER RESOURCES DEPT. (as required by ORS 537.765) SALEM, OREGON	1411 1 9 1989	MISC	302		<u> </u>	
(1) OWNER: Well Number:	LEMCORDONDO	OF WELL by le	gal de	scripti	on:	(3-8
Autess 349 SW DIVISION St.	ALEM, UNITED 85	N or S, Range	1 WI	rouginge	EorW	WM
City State OR Zip 97385	Section 35	Nor 5, Nange	NE	14	-1301 11,	
(2) TYPE OF WORK:	1	Lot Block			vision	
New Well Deepen Recondition Abandon	Street Address of W	/ell (or nearest address)	8280	Boedic	heim	er Rd S
(3) DRILL METHOD		, OR 97385				
X Rotary Air Rotary Mud Cable						
Other	1	VATER LEVEL:			10 0	7 00
		below land surface.				<u>7–88</u> _
(4) PROPOSED USE:	Artesian pressure _	lb. per squ	are inch.	Date .		
Domestic 🖾 Community Industrial Irrigation	(11) WATER B	EARING ZONE	S:			
Thermal Injection Other	Depth at which water wa	s first found 275'				
(5) BORE HOLE CONSTRUCTION:	From	· · · · · · · · · · · · · · · · · · ·	13-41-	nated Flow	Dete	SWL
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		To				
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2xx kcxxx kcx and an						L]
2" 0 476 neat cement 262 0 118 sacks	(12) WELL LO	G: Ground elevati	on			
8" 476 595		Material		From	То	SWL
	Top soil			0	6	
How was seal placed: Method 🛛 A 🗋 B 🖾 C 🗍 D 🗍 E .	Clay red loos			6	14	
Other	Clay grey loc			14	25	
Backfill placed from <u>265</u> ft. to <u>262</u> ft. Material <u>sand #8</u>	Clay blue sti			25	47	
Gravel placed from <u>476</u> ft. to <u>265</u> ft. Size of gravel <u>'s" round</u>		it decomposed	grey	47	63	
(6) CASING/LINER:	Basalt fractu			63	64	
Diameter, From, To Gauge Steel Plastic Welded Threaded	Decomposed sa	andstone grey	with	64		
Casing: 8" +1 476 250 🖾 🗆 🖾 🗆		ard green sand			118	
	Basalt black	broken		118	123	
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	Basalt black	broken		165	167	
Liner:	Basalt grey !	<u>nard S</u>		167	192	
	Wood black so		<u> </u>		194	
Final location of shoe(s)	Basalt grey h	nard 🚡 🗋		<u> </u>	207	
PERFORATIONS/SCREENS:	Clay grey sof				216	
X Perforations Method Holt air perf.	Claystone gre	ey hardЩ		216	222	
□ Screens Type 3/8"x12" Material	Basalt grey h	nard 2	ŭ	*	238	
Slot Tele/pipe	Basalt grey b			238	241	├ ──┤
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		<u>soft w/ green</u> 16-88Com		12-27	_	
	Date started	<u>Com</u>	pleted	14-41	-00	
(8) WELL TESTS: Minimum testing time is 1 hour		Well Constructor Ce			۹.	
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Pump 🗌 Bailer 🔄 Air 🗌 Artesian	standards. Materials	used and information	reported	above are	e true to	my best
Yield gal/min Drawdown Drill stem at Time	knowledge and belief.	11	-			-
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	Signed Ullnul	X LANAMAN	I	Jate	·10" X	<u> </u>
air 400 470' hr.		ll Constructor Certi				
Temperature of water Depth Artesian Flow Found	I accent response	ibility for the constru	ction al	teration	or aban	donment
Was a water analysis done? Yes By whom	work performed on the	is well during the con ring this time is in	struction	n aates re iance wi	ported a th Ore	anove. all
Did any strata contain water not suitable for intended use? Too little	construction standard	ds This report is true	to the l	best of m	y knowl	edge and
Did any strata contain water not suitable for intended use? Too little Construction standards This report is true to the best of my knowledge and belief. WWC Number 223						
Depth of strata:	Signed	4	Γ	Date	-19-	89
			V OTC	TOMET		98/01 D80
WHITE COPIES - WATER RESOURCES DEPARTMENT YELLOW (COPY - CONSTRUCTOR	12720 COE	r - CUS	LOWER		10/86

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STATE OF OREGON WATER RESOURCES DEPT. (as required to OBS 657.760) JAN 1 9 1989 3 - 9 WATER WELL REPORT SALEM. OREGON WATEN TEST SALEM. OREGON 3 - 9 Name Clay of Sublimity-CONTINUATION SALEM. OREGON 3 - 9 Name Clay of Sublimity-CONTINUATION SALEM. OREGON Latitude Longitude result Clay of Sublimity-CONTINUATION SALEM. OREGON Alandon Section 1 - 10 M - 4 (2) TYPE OF WORK: Based Bog M - 4 M - 4 M - 4 (2) TYPE OF WORK: Based Addres of Wall (or caretal states) Bootel Bootel <th></th> <th>RI 9172 GT3 QUINTAN</th>		RI 9172 GT3 QUINTAN
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Signed	Yield gal/min Drawdown Drill stem at Time	knowledge and belief.
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I accept responsibility for the construction, alteration, or abandonme		
Temperature of water Depth Artesian Flow Found work performed on this well during the construction dates reported above.		I accept responsibility for the construction, alteration, or abandonme
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	Did any strata contain water not suitable for intended use? 🔲 Too little	construction standards. This report is true to the best of my knowledge an
Saity I Muddy Odor Colored Other WWC Number 13.3	Salty 🗋 Muddy 🗋 Odor 🗋 Colored 🗐 Other	WWC Number / A.
Depth of strate: Signed Date 1-1 8-89 WHITE COPIES - WATER RESOURCES DEPARTMENT YELLOW COPY - CONSTRUCTOR PINK COPY - CUSTOMER 9809C 10	-	

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MARI 9172



"START CARD" NOTICE OF BEGINNING OF WELL CONSTRUCTION (as required by ORS 537.762)

JUL 27 1988

WATER RESOURCES DEPT, SALEM, OREGON

This form must be completed, signed by both the owner (or authorized agent) and constructor, and the original delivered to the Water Resources Department prior to commencement of construction, alteration or abandonment of each well.

Owner's Name and	City of Sublin	nity do Rober	+ Gorman
Mailing Address	349 SW Divis		
· _	Sublimity, OF	97385	
	nent Date 1-10 of Al		
Proposed Well Depth	300-400 , D	ameter <u>8-12</u>	
Domestic Thermal	Community	Industrial	
Proposed Well Location	n: County <u>Marian</u>		
	(N or S) Range	(E or W)	Section 35
	1. SW 1/4 of N	E 1/4 of above section	
		280 Boedighe	ince Rot S.E
At least 2 of these	well location	blimity, OR	97385 HECEIVED BY OWRE
must be provided	3. tax lot number of well I	ocation	HECEIVED BY OWH
	4. attach approved map v		JUL 1 8 2017
	(see reverse of this form	for approved maps)	SALEM, OR

We hereby certify that we have read the back of this form, and that to the best of our knowledge the information provided herein is accurate and the well is being properly located from septic tarks and septic drain fields.

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ded Water Well Constructor License No Company

Note: This is not a Water Right application. The owner is responsible for obtaining a Water Right through the Water Resources Department if required.

Form 537.762 1987

T 12720

ericurstadt@hotmail.com

From:	Eric Urstadt
Sent:	Tuesday, November 15, 2016 1:39 PM
То:	BOUCHIER Aurora C
Cc:	'David & Sue'
Subject:	RE: Potential to transfer Schumacher Well #3 to Sublimity - Groundwater Section Perspective
Follow Up Flag:	Follow up
Flag Status:	Flagged

Aurora,

27

N

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I've been told that Dave Schumacher had called you about this question. I've been out of town, but I am back.

I've tabulated some data that might help...

- The data on the Sublimity wells is from their City Engineer's report.
- The data on the Schumacher well came from your email (MARI 9170)

I suspect that the City has been doing some well monitoring since the Engineer's Report recommends that it get done. I don't know how often the monitoring is done. The data of yours does not have a measurement for 10/2015, but one would think that think that the 10/2015 elevation would be at the well end of the SWL elevation cycle due to the irrigation and dry summer just proceeding that month.

Based on this it seems sensible (to me) that the wells are likely within the same aquifer, and it seems worthwhile to keep pursuing this question.

I have not looked into the relative locations of the wells.

When you get time please let me know how things are looking for this issue.

	Sublin	nity Cit	y Wells	
•	Well #*	Site Elev** (MSL)	SWL 10/2015**	AMSL 10/2015**
	1	556	168	388
	2	541	141	400

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JUL 1 8 2017

SALEM, OR

ATTACH 4-6

3	542	131	411
4	645	247	398

Schumacher Well #3					
Well #	Site Elev	SWL	AMSL***		
MARI 9170 - Well#3	?	93 (original)	260-420		

Notes:

https://yourwater.oregoin.gov/inventory.php:/pwsho-ooo++ on+1000++ Subinity eity wentog bata	*	https://yourwater.oregon.gov/inventory.php?pwsno+00844 - OR41 00844 Sublimity City Well Log Data	
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- ** City of Sublimity Water System Water Source Summary 2016 by Edwards Butts, PE.
- *** email from aurora.c.bouchier@state.or.us, Wednesday, July 13, 2016 2:49 PM
- SWL = feet below ground of static water level
- Elevation of ground at well in feet above mean sea level MSL =
- Elevation of static water in well in feet above MSL AMSL =

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Salem, Or

RECEIVED BY OWRD JUL 18 M SALEM, OR

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4-26

12720



SALEM, OR 1 12720

RECEIVED BY OWRD

4-36

ericurstadt@hotmail.com

From:	ORLOWSKI Dennis R * WRD <dennis.r.orlowski@oregon.gov></dennis.r.orlowski@oregon.gov>			
Sent:	Monday, December 05, 2016 4:30 PM			
То:	David & Sue			
Cc:	Urstadt Eric; Tom; Schumacher Tom; Schumacher Brian; BOUCHIER Aurora C * WRD			
Subject:	RE: Potential to transfer Schumacher Well #3 to Sublimity - Groundwater Section Perspective			
Follow Up Flag: Flag Status:	Follow up Flagged JUL 1 8 2017			

Hello everyone,

SALEM, OR

I understand more information is being requested by both the Schumachers and the City of Sublimity to help decide whether or not to proceed with an application for a water rights transfer from irrigation to municipal use. I also understand that the water right being considered for transfer is Certificate 47073, which currently lists the well MARI 9170/9160 as the only source (or Point of Appropriation, POA). After reviewing available information, I can offer the following preliminary opinions and recommendations.

I agree with Aurora's previous assessment that the groundwater source at the Schumacher Well #3 (MARI 9170/9160) appears to the same source tapped by the City of Sublimity's four wells (MARI 9149, 9142/61352, 9147, 9172).

However, although establishing that the groundwater sources are the same will help facilitate a transfer, <u>this alone will not guarantee that the transfer will</u> <u>ultimately be successful</u>. First, evaluating the sources is only part of our technical evaluation in the OWRD Groundwater Section. Our work also includes determining if the transfer will potentially injure other groundwater users; we have NOT yet done this, because frankly we need to wait until a formal transfer application, <u>with key additional information included</u>, has been submitted before we can complete that part of our evaluation. Secondly, there are other important steps in the water rights transfer process, such as a public comment period during which objections might be raised, potential complications in transferring an irrigation right to a municipal right, review and approval by the OWRD Water Rights Section (separate from our Groundwater Section), review and approval by other state agencies, etc.

Regarding David's question as to '...whether they can use the transfer rights to pump out of their existing wells or whether they would have to pump it out of where the well is now located'. From my preliminary evaluation, there would not be a requirement for the City 'to pump it out of where the well is now located'. That is, the transfer could be used to transfer your current 'right' to pump water from your Well #3, to the City for pumping that same amount of water from one or more of their four existing wells (this would be a change in the POA).

If I understand the rest of David's e-mail correctly, it appears as though one option is to have the City of Sublimity, through annexation, acquire your Well #3 and use that actual well as a new municipal water source (?). If this is correct, please be advised that compared to irrigation wells, there are a lot of other factors that need to be considered with wells used for public water supply systems. For instance, if Well #3 were to be considered by the City as a new

municipal/drinking water source for them, other entities would have to become involved to ensure the safe quality of water pumped from the well, including the Oregon Health Authority, well construction staff at OWRD, and the City itself. City staff will know of these additional requirements and limitations for municipal supply wells, and Eric should also be able to help you with related questions.

To summarize, from ONLY a technical groundwater perspective, a potential transfer in use from Well #3 to one of the City's four wells appears favorable, but as you can see there would be many other factors involved before a transfer could be approved (especially if the City decides to acquire your Well #3 and use it as a municipal source). Again, please note that this is indeed preliminary, and for us to be able to move forward requires formal submission of a transfer application. Also note that Aurora and I are in the OWRD Groundwater Section, and for transfers we only provide technical support to the OWRD Water Rights Section, which is the section with the final word in any water rights matters.

My recommendation is to submit a transfer application to formally begin the process at OWRD. The application requires specific information, such as which wells (POAs) are proposed to be involved in the transfer, how much of the current water right allocation is to be transferred, etc. This information will allow us in the Groundwater Section to complete our technical evaluation. Also, once the transfer application is submitted, a case worker from the OWRD Water Rights Section will be assigned who will be able to answer any water rights-related questions you might have.

I hope this information helps in your decision-making process.

Regards, Dennis

Dennis Orlowski | Hydrogeologist – Groundwater Section

RECEIVED BY OWRD

Oregon Water Resources Department 725 Summer St. NE, Suite A Salem, Oregon 97301 Phone: 503.986.0897 | E-Mail: <u>dennis.r.orlowski@oregon.gov</u>

JUL 1 8 2017

SALEM, OR

From: BOUCHIER Aurora C * WRD
Sent: Wednesday, November 30, 2016 1:10 PM
To: David & Sue; ORLOWSKI Dennis R * WRD
Cc: Urstadt Eric; Tom; Schumacher Tom; Schumacher Brian
Subject: RE: Potential to transfer Schumacher Well #3 to Sublimity - Groundwater Section Perspective

ң Hi Dave,

Dennis Orlowski is our hydrogeologist who will be working on this, I have included him in this email. I understand he has already been in contact with Eric V Urstadt and I am not certain where that conversation stands.

Cheers.

Aurora Bouchier, R.G. Hydrogeologist Oregon Water Resources Department 725 Summer St., NE, Suite A Salem, OR 97301-1271 503.986.0841 Aurora.C.Bouchier@wrd.state.or.us

"All the water that will ever be is, right now." -National Geographic, October 1993

"When the well is dry, we know the worth of water." -Benjamin Franklin, Poor Richard's Almanack, 1746

From: David & Sue [mailto:schumach@wvi.com]
Sent: Wednesday, November 30, 2016 11:38 AM
To: BOUCHIER Aurora C * WRD
Cc: Urstadt Eric; Tom; Schumacher Tom; Schumacher Brian
Subject: Fw: Potential to transfer Schumacher Well #3 to Sublimity - Groundwater Section Perspective

Hi Aurora,

Just checking in with you to find out how we can obtain an answer to the transfer of our well to the City of Sublimity? Neither of us can proceed until we know whether they can use the transfer rights to pump out of their existing wells or whether they would have to pump it out of where the well is now located. Our proposal to the City includes annexation of about 10 acres of the property including the house, shop, and **the well which would the be in the City limits if approved**, not in the County. Everything hinges on this is a very important subject at this point for the Dorothy C. Schumacher Estate and our family. I hope the Oregon Water Resources Department can help with transaction as the Estate would like to see the water stay within the community for it's long term survival.

Thank You for all your help....

Dave

From: Eric Urstadt Sent: Tuesday, November 15, 2016 1:38 PM To: BOUCHIER Aurora C Cc: 'David & Sue' RECEIVED BY OWRD JUL 1 8 2017 BALEM, OR

Subject: RE: Potential to transfer Schumacher Well #3 to Sublimity - Groundwater Section Perspective

Aurora,

I've been told that Dave Schumacher had called you about this question. I've been out of town, but I am back.

I've tabulated some data that might help...

- The data on the Sublimity wells is from their City Engineer's report.
- The data on the Schumacher well came from your email (MARI 9170)

I suspect that the City has been doing some well monitoring since the Engineer's Report recommends that it get done. I don't know how often the monitoring is done. The data of yours does not have a measurement for 10/2015, but one would think that think that the 10/2015 elevation would be at the well end of the SWL elevation cycle due to the irrigation and dry summer just proceeding that month.

Based on this it seems sensible (to me) that the wells are likely within the same aquifer, and it seems worthwhile to keep pursuing this question.

I have not looked into the relative locations of the wells.

When you get time please let me know how things are looking for this issue.

Sublimity City Wells					
Well #*	Site Elev** (MSL)	SWL 10/2015**	AMSL 10/2015**		
1	556	168	388		
2	541	141	400		
3	542	131	411		
4	645	.247	398		

Schun	nacher	Well #3	
Well #	Site Elev	SWL	AMSL***
MARI 9170 - Well#3	?	93 (original)	260-420

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Notes:

- * https://yourwater.oregon.gov/inventory.php?pwsno+00844 OR41 00844 Sublimity City Well Log Data
- ** City of Sublimity Water System Water Source Summary 2016 by Edwards Butts, PE.
- *** email from aurora.c.bouchier@state.or.us, Wednesday, July 13, 2016 2:49 PM
- SWL = feet below ground of static water level
- MSL = Elevation of ground at well in feet above mean sea level
- AMSL = Elevation of static water in well in feet above MSL

