

Application for a Permit to Use Surface Water



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
(503) 986-0900
www.wrd.state.or.us

Water-Use Permit Application Processing

1. Completeness Determination

The Department evaluates whether the application and accompanying map contain all of the information required under OAR 690-310-0040 and OAR 690-310-0050 (www.oregon.gov/owrd/law.owr). The Department also determines whether the proposed use is prohibited by statute. If the Department determines that the application is incomplete, all fees have not been paid, or the use is prohibited by statute, the application and all fees submitted are returned to the applicant.

2. Initial Review

The Department reviews the application to determine whether water is available during the period requested, whether the proposed use is restricted or limited by rule or statute, and whether other issues may preclude approval of or restrict the proposed use. An Initial Review (IR) containing preliminary determinations is mailed to the applicant. The applicant has 14 days from the mailing date to withdraw the application from further processing and receive a refund of all fees paid minus \$260. The applicant may put the application on hold for up to 180 days and may request additional time if necessary.

3. Public Notice

Within 7 days of the mailing of the initial review, the Department gives public notice of the application in the weekly notice published by the Department at www.oregon.gov/owrd. The public comment period is 30 days from publication in the weekly notice.

4. Proposed Final Order Issued

The Department reviews any comments received, including comments from other state agencies related to the protection of sensitive, threatened or endangered fish species. Within 60 days of completion of the IR, the Department issues a Proposed Final Order (PFO) explaining the proposed decision to deny or approve the application. A PFO proposing approval of an application will include a draft permit, and may request additional information or outstanding fees required prior to permit issuance.

5. Public Notice

Within 7 days of issuing the PFO, the Department gives public notice in the weekly notice. Notice includes information about the application and the PFO. Protest must be received by the Department within 45 days after publication of the PFO in the weekly notice. Anyone may file a protest. The protest filing fee is \$410.00 for the applicant and \$810.00 for non-applicants. Protests are filed on approximately 10% of Proposed Final Orders. If a protest is filed the Department will attempt to settle the protest but will schedule a contested case hearing if necessary.

6. Final Order Issued

If no protests are filed, the Department can issue a Final Order within 60 days of the close of the period for receiving protest. If the application is approved, a permit is issued. The permit specifies the details of the authorized use and any terms, limitations or conditions that the Department deems appropriate.

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Revised 7/1/2017

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Surface Water/1

OCT 27 2017

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Minimum Requirements Checklist

Minimum Requirements (OAR 690-310-0040, OAR 690-310-0050 & ORS 537.140)

Include this checklist with the application

Check that each of the following items is included. The application will be returned if all required items are not included. If you have questions, please call the Water Rights Customer Service Group at (503) 986-0900.

- ☒ SECTION 1: applicant information and signature
- ☒ SECTION 2: property ownership
- ☒ SECTION 3: source of water requested
- ☒ SECTION 4: water use
- ☒ SECTION 5: water management
- ☒ SECTION 6: resource protection
- ☒ SECTION 7: project schedule
- ☒ SECTION 8: within a district
- ☒ SECTION 9: remarks

Attachments:

- ☒ Land Use Information Form with approval and signature of local planning department(*must be an original*) or signed receipt.
- ☒ Provide the legal description of: (1) the property from which the water is to be diverted, (2) any property crossed by the proposed ditch, canal or other work, and (3) any property on which the water is to be used as depicted on the map.
- ☒ Fees - Amount enclosed: \$ 1900.00
See the Department's Fee Schedule at www.oregon.gov/owrd or call (503) 986-0900.

Provide a map and check that each of the following items is included:

- ☒ Permanent quality and drawn in ink
- ☒ Even map scale not less than 4" = 1 mile (example: 1" = 400 ft, 1" = 1320 ft, etc.)
- ☒ North Directional Symbol
- ☒ Township, Range, Section, Quarter/Quarter, Tax Lots
- ☒ Reference corner on map
- ☒ Location of each well, and/or dam if applicable, by reference to a recognized public land survey corner (distances north/south and east/west)
- ☒ Indicate the area of use by Quarter/Quarter and tax lot clearly identified
- ☒ Number of acres per Quarter/Quarter and hatching to indicate area of use if for primary irrigation, supplemental irrigation, or nursery
- ☒ Location of main canals, ditches, pipelines or flumes (if well is outside of the area of use)
- ☐ Other:

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SECTION 1: APPLICANT INFORMATION AND SIGNATURE

Applicant Information

NAME Gisele Passecker		PHONE (HM)	
PHONE (WK)	CELL 702-683-7940	FAX	
ADDRESS 9750 N. Monterey Drive unit 31			
CITY Fountain Hills	STATE AZ	ZIP 85268	E-MAIL * Jessica.Passecker@live.com

Organization Information

NAME		PHONE	FAX
ADDRESS		CELL	
CITY	STATE	ZIP	E-MAIL *

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

AGENT / BUSINESS NAME Vaillant Passecker		PHONE	FAX
ADDRESS 9750 N. Monterey Drive unit 31		CELL 702-683-7940	
CITY Fountain Hills	STATE AZ	ZIP 85268	E-MAIL * Jessica.Passecker@live.com

Note: Attach multiple copies as needed

* By providing an e-mail address, consent is given to receive all correspondence from the department electronically. (Paper copies of the final order documents will also be mailed.)

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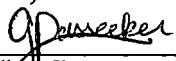
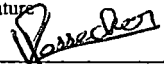
OCT 27 2017

By my signature below I confirm that I understand:

- I am asking to use water specifically as described in this application.
- Evaluation of this application will be based on information provided in the application packet.
- I cannot legally use water until the Water Resources Department issues a permit to me.
- The Department encourages all applicants to wait for a permit to be issued before beginning construction of any proposed diversion. Acceptance of this application does not guarantee a permit will be issued.
- If I begin construction prior to the issuance of a permit, I assume all risks associated with my actions.
- If I get a permit, I must not waste water.
- If development of the water use is not according to the terms of the permit, the permit can be cancelled.
- The water use must be compatible with local comprehensive land use plans.
- Even if the Department issues a permit, I may have to stop using water to allow senior water right holders to get water to which they are entitled.
- I have not provided my social security number in any of the materials submitted to the Department.

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


Applicant Signature

Applicant Signature

Gisele Passecker
Print Name and title if applicable
Vaillant Passecker
Print Name and title if applicable

10/25/17
Date
10/25/17
Date

App. No. <u>P-88481</u>	For Department Use Permit No. _____ Date _____
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SECTION 2: PROPERTY OWNERSHIP

Please indicate if you own all the lands associated with the project from which the water is to be diverted, conveyed, and used.

☒ Yes

☒ There are no encumbrances.

☐ This land is encumbered by easements, rights of way, roads or other encumbrances.

☐ No

☐ I have a recorded easement or written authorization permitting access.

☐ I do not currently have written authorization or easement permitting access.

☐ Written authorization or an easement is not necessary, because the only affected lands I do not own are state-owned submersible lands, and this application is for irrigation and/or domestic use only (ORS 274.040).

☐ Water is to be diverted, conveyed, and/or used only on federal lands.

List the names and mailing addresses of all affected landowners (*attach additional sheets if necessary*).

You must provide the legal description of: 1. The property from which the water is to be diverted, 2. Any property crossed by the proposed ditch, canal or other work, and 3 Any property on which the water is to be used as depicted on the map.

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SECTION 3: SOURCE OF WATER

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A. Proposed Source of Water

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Provide the commonly used name of the water body from which water will be diverted, and the name of the stream or lake it flows into. If unnamed, say so:

Source 1: Deer Creek

Tributary to: none

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Source 2: _____

Tributary to: _____

Source 3: _____

Tributary to: _____

OCT 27 2017

Source 4: _____

Tributary to: _____

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If any source listed above is stored water that is authorized under a water right permit, certificate, or decree, attach a copy of the document or list the document number (for decrees, list the volume, page and/or decree name).

B. Applications to Use Stored Water

Do you, or will you, own the reservoir(s) described in item 3A above?

☒ Yes.

☐ No. (Please enclose a copy of your written notification to the operator of the reservoir of your intent to file this application, which you should have already mailed or delivered to the operator.)

If *all* sources listed in item 3A are stored water, the Department will review your application using the expedited process provided in ORS 537.147, unless you check the box below. Please see the instruction booklet for more information.

☐ By checking this box, you are requesting that the Department process your application under the standard process outlined in ORS 537.150 and 537.153, rather than the expedited process provided by ORS 537.147. To file an application under the standard process, you must enclose the following:

- A copy of a signed non-expired contract or other agreement with the owner of the reservoir (if not you) to impound the volume of water you propose to use in this application.
- A copy of your written agreement with the party (if any) delivering the water from the reservoir to you.

SECTION 4: WATER USE

Provide the amount of water you propose to use from each source, for each use, in cubic feet-per-second (cfs) or gallons-per-minute (gpm). If the proposed use is from storage, provide the amount in acre-feet (af):

(1 cfs equals 448.8 gpm. 1 acre-foot equals 325,851 gallons or 43,560 cubic feet)

SOURCE	USE	PERIOD OF USE	AMOUNT
Deer creek	Human consumption & domestic use	year round	0.34 ☐ cfs ☒ gpm ☐ af daily maximum use
			☐ cfs ☐ gpm ☐ af
			☐ cfs ☐ gpm ☐ af
			☐ cfs ☐ gpm ☐ af

For irrigation use only:

Please indicate the number of primary and supplemental acres to be irrigated.

Primary: _____ Acres Supplemental: _____ Acres

If supplemental Acres is listed, provide the Permit or Certificate number of the underlying primary water right(s):

Indicate the maximum total number of acre-feet you expect to use in an irrigation season: _____

- If the use is **municipal or quasi-municipal**, attach **Form M**
- If the use is **domestic**, indicate the number of households: 1
- If the use is **mining**, describe what is being mined and the method(s) of extraction:

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SECTION 5: WATER MANAGEMENT

A. Diversion and Conveyance

What equipment will you use to pump water from your source?

☒ Pump (give horsepower and type): 2 HP centrifugal electric pump

☐ Other means (describe): _____

Provide a description of the proposed means of diversion, construction, and operation of the diversion works and conveyance of water.

B. Application Method

What equipment and method of application will be used? (e.g., drip, wheel line, high-pressure sprinkler)

C. Conservation

Please describe why the amount of water requested is needed and measures you propose to: prevent waste; measure the amount of water diverted; prevent damage to public uses of affected surface waters.

needed for household uses and drinking water.
conservation will include using water saving appliances and monitoring use with water meter.

SECTION 6: RESOURCE PROTECTION

In granting permission to use water from a stream or lake, the state encourages, and in some instances requires, careful control of activities that may affect the waterway or streamside area. See instruction guide for a list of possible permit requirements from other agencies. Please indicate any of the practices you plan to undertake to protect water resources.

- ☒ Diversion will be screened to prevent uptake of fish and other aquatic life.
Describe planned actions: installing mesh screen around sediment filter where water will be diverted.
- ☐ Excavation or clearing of banks will be kept to a minimum to protect riparian or streamside areas.
Describe planned actions: _____
- ☐ Operating equipment in a water body will be managed and timed to prevent damage to aquatic life.
Describe: _____
- ☐ Water quality will be protected by preventing erosion and run-off of waste or chemical products.
Describe: _____

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SECTION 7: PROJECT SCHEDULEDate construction will begin: MARCH 2018Date construction will be completed: MAY 2018Date beneficial water use will begin: MAY 2018**SECTION 8: WITHIN A DISTRICT**

☐ Check here if the point of diversion or place of use are located within or served by an irrigation or other water district.

Irrigation District Name	Address	
City	State	Zip

SECTION 9: REMARKS

Use this space to clarify any information you have provided in the application.

Please see documents included:

- water intake diagram
- water diversion diagram
- Map of property and setup (2)
- Description of water diagram
- copy of deed
- surface water application - remarks
- Pixis Labs water tests
- oregon water resources department - water availability analysis

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Land Use Information Form



Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
(503) 986-0900
www.wrd.state.or.us

NOTE TO APPLICANTS

In order for your application to be processed by the Water Resources Department (WRD), this Land Use Information Form must be completed by a local government planning official in the jurisdiction(s) where your water right will be used and developed. The planning official may choose to complete the form while you wait, or return the receipt stub to you. Applications received by WRD without the Land Use Form or the receipt stub will be returned to you. Please be aware that your application will not be approved without land use approval.

This form is NOT required if:

- 1) Water is to be diverted, conveyed, and/or used only on federal lands; **OR**
- 2) The application is for a water right transfer, allocation of conserved water, exchange, permit amendment, or ground water registration modification, and all of the following apply:
 - a) The existing and proposed water use is located entirely within lands zoned for exclusive farm-use or within an irrigation district;
 - b) The application involves a change in place of use only;
 - c) The change does not involve the placement or modification of structures, including but not limited to water diversion, impoundment, distribution facilities, water wells and well houses; and
 - d) The application involves irrigation water uses only.

NOTE TO LOCAL GOVERNMENTS

The person presenting the attached Land Use Information Form is applying for or modifying a water right. The Water Resources Department (WRD) requires its applicants to obtain land-use information to be sure the water rights do not result in land uses that are incompatible with your comprehensive plan. Please complete the form or detach the receipt stub and return it to the applicant for inclusion in their water right application. You will receive notice once the applicant formally submits his or her request to the WRD. The notice will give more information about WRD's water rights process and provide additional comment opportunities. You will have 30 days from the date of the notice to complete the land-use form and return it to the WRD. If no land-use information is received from you within that 30-day period, the WRD may presume the land use associated with the proposed water right is compatible with your comprehensive plan. Your attention to this request for information is greatly appreciated by the Water Resources Department. If you have any questions concerning this form, please contact the WRD's Customer Service Group at 503-986-0801.

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Surface Water/8

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Land Use Information Form

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Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
(503) 986-0900
www.wrd.state.or.us

Applicant: Gisele Passecker
First Last

Mailing Address: 9750 N. Monterey Drive unit 31

Fountain Hills AZ 85268 Daytime Phone: 702-683-7940
City State Zip

A. Land and Location

Please include the following information for all tax lots where water will be diverted (taken from its source), conveyed (transported), and/or used or developed. Applicants for municipal use, or irrigation uses within irrigation districts may substitute existing and proposed service-area boundaries for the tax-lot information requested below.

Township	Range	Section	¼ ¼	Tax Lot #	Plan Designation (e.g., Rural Residential/RR-5)	Water to be:			Proposed Land Use:
12	11	19 400	C0	10800	RR-2 (Rural Residential)	☐ Diverted	☐ Conveyed	☒ Used	Residential
						☐ Diverted	☐ Conveyed	☐ Used	
						☐ Diverted	☐ Conveyed	☐ Used	
						☐ Diverted	☐ Conveyed	☐ Used	

List all counties and cities where water is proposed to be diverted, conveyed, and/or used or developed:

Seal Rock, Lincoln County

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B. Description of Proposed Use

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Type of application to be filed with the Water Resources Department:

- ☒ Permit to Use or Store Water ☐ Water Right Transfer ☐ Permit Amendment or Ground Water Registration Modification
☐ Limited Water Use License ☐ Allocation of Conserved Water ☐ Exchange of Water

Source of water: ☐ Reservoir/Pond ☐ Ground Water ☒ Surface Water (name) Deer Creek

Estimated quantity of water needed: 0.34 ☐ cubic feet per second ☒ gallons per minute ☐ acre-feet

Intended use of water: ☐ Irrigation ☐ Commercial ☐ Industrial ☒ Domestic for 1 household(s)
☐ Municipal ☐ Quasi-Municipal ☐ Instream ☐ Other _____

Briefly describe:

water pumped from Deer creek into 1,000 gallon storage container for human consumption and domestic use.

Note to applicant: If the Land Use Information Form cannot be completed while you wait, please have a local government representative sign the receipt at the bottom of the next page and include it with the application filed with the Water Resources Department.

8-88481

DEC 05 2017

For Local Government Use Only

The following section must be completed by a planning official from each county and city listed unless the project will be located entirely within the city limits. In that case, only the city planning agency must complete this form. This deals only with the local land-use plan. Do not include approval for activities such as building or grading permits.

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Please check the appropriate box below and provide the requested information

- ☒ Land uses to be served by the proposed water uses (including proposed construction) are allowed outright or are not regulated by your comprehensive plan. Cite applicable ordinance section(s): Lincoln County Code 1.1345(1)(a)
- ☐ Land uses to be served by the proposed water uses (including proposed construction) involve discretionary land-use approvals as listed in the table below. (Please attach documentation of applicable land-use approvals which have already been obtained. Record of Action/land-use decision and accompanying findings are sufficient.) **If approvals have been obtained but all appeal periods have not ended, check "Being pursued."**

Type of Land-Use Approval Needed (e.g., plan amendments, rezones, conditional-use permits, etc.)	Cite Most Significant, Applicable Plan Policies & Ordinance Section References	Land-Use Approval:	
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
	RECEIVED BY OWRD	☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
	OCT 27 2017	☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
	SALEM, OR	☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued
		☐ Obtained ☐ Denied	☐ Being Pursued ☐ Not Being Pursued

Local governments are invited to express special land-use concerns or make recommendations to the Water Resources Department regarding this proposed use of water below, or on a separate sheet.

The proposed use of a single family dwelling at the subject property is outright permitted per Lincoln County Code 1.1345(1)(a).

Name: Hui Radomsky Title: Associate Planner

Signature: [Signature] Phone: 541 265 0233 Date: 10/25/17

Government Entity: Lincoln County Planning Department

Note to local government representative: Please complete this form or sign the receipt below and return it to the applicant. If you sign the receipt, you will have 30 days from the Water Resources Department's notice date to return the completed Land Use Information Form or WRD may presume the land use associated with the proposed use of water is compatible with local comprehensive plans.

**Receipt for Request for Land Use Information**

Applicant name: _____

City or County: _____ Staff contact: _____

Signature: _____ Phone: _____ Date: _____

← C apps.wrd.state.or.us/apps/misc/wrd_fee_calculator/Permit_Appropriate_SurfaceWater.aspx ☆

Apps Facebook Suggested Sites Web Slice Gallery Wells Fargo Hotmail Google Make-Up Artist Mag Pandora Craigslist Video2MP3 YouTube Adventure Time » Other bookmarks

 **Oregon Water Resources Department**
Apply for a Permit to Appropriate Surface Water

Main Help
Return Contact Us

Today's Date: Wednesday, October 25, 2017

Base Application Fee for use of Surface and optionally Stored Water.		\$930.00
Number of proposed cubic feet per second (cfs) to be diverted. (1 cfs = 448.83 gallons per minute)	0.00075	\$350.00
Number of proposed Uses for the appropriated water. (i.e. Irrigation, Supplemental Irrigation, Pond Maintenance, Industrial, Commercial, etc) *	1	
Number of proposed Surface Water points of diversions. **	0	
Number of Acre Feet to be diverted from Stored Water. (if the application is appropriating water from a pond/reservoir)	0	
Permit Recording Fee. ***		\$520.00
* the 1st Water Use is included in the base cost. ** the 1st Surface Water point of diversion is included in the base cost. *** the Permit Recording Fee is not required when the application is submitted but, must be paid before a permit will be issued. It is fully refundable if a permit is not issued. If the recording fee is not paid prior to issuance of the Final Order, permit issuance will be delayed.	Recalculate	
Estimated cost of Permit Application		\$1,800.00

OWRD Fee Schedule

Fee Calculator Version: B20170117

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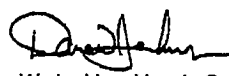
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After recording return to: Order Number: 128559  Western Title & Escrow 255 SW Coast Hwy., Suite 100 Newport, OR 97365 Grantee Name(s) Gisele Passecker Franz Passecker 9750 N Monterey Dr #31 Fountain Hills, AZ 85268 Until a change is requested, all tax statements shall be sent to the following address: Same as Above
--

Lincoln County, Oregon 12/09/2016 10:35:53 AM DOC-WD \$5.00 \$11.00 \$10.00 \$20.00 \$7.00 I, Dana W. Jenkins, County Clerk, do hereby certify that the within instrument was recorded in the Lincoln County Book of Records on the above date and time. WITNESS my hand and seal of said office affixed.  Dana W. Jenkins, Lincoln County Clerk	2016-11697 Cnt=1 Pgs=1 Stn=0 \$53.00 
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Reserved for Recorder's Use

STATUTORY WARRANTY DEED

Eric John Youngren, Grantor(s), convey and warrant to

Gisele Passecker and Franz Passecker, Wife and Husband, Grantee(s), the following described real property free of encumbrances except as specifically set forth herein.

Lots 1, 2, 3, 4 and 5, Block 3, SEAL ROCK VIEW, in Lincoln County, Oregon.

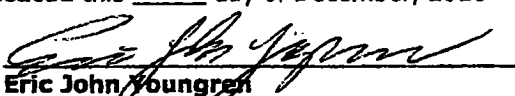
Account: **R277154 / Map & Tax Lot: 12-11-19-C0-10800-00**

This property is free of encumbrances, EXCEPT: All those items of record, if any, as of the date of this deed, including any real property taxes due, but not yet payable.

The true consideration for this conveyance is **\$72,500.00**. (Here comply with requirements of ORS 93.030.)

BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON TRANSFERRING FEE TITLE SHOULD INQUIRE ABOUT THE PERSON'S RIGHTS, IF ANY, UNDER ORS 195.300, 195.301 AND 195.305 TO 195.336 AND SECTIONS 5 TO 11, CHAPTER 424, OREGON LAWS 2007, SECTIONS 2 TO 9 AND 17, CHAPTER 855, OREGON LAWS 2009, AND SECTIONS 2 TO 7, CHAPTER 8, OREGON LAWS 2010. THIS INSTRUMENT DOES NOT ALLOW USE OF THE PROPERTY DESCRIBED IN THIS INSTRUMENT IN VIOLATION OF APPLICABLE LAND USE LAWS AND REGULATIONS. BEFORE SIGNING OR ACCEPTING THIS INSTRUMENT, THE PERSON ACQUIRING FEE TITLE TO THE PROPERTY SHOULD CHECK WITH THE APPROPRIATE CITY OR COUNTY PLANNING DEPARTMENT TO VERIFY THAT THE UNIT OF LAND BEING TRANSFERRED IS A LAWFULLY ESTABLISHED LOT OR PARCEL, AS DEFINED IN ORS 92.010 OR 215.010, TO VERIFY THE APPROVED USES OF THE LOT OR PARCEL, TO DETERMINE ANY LIMITS ON LAWSUITS AGAINST FARMING OR FOREST PRACTICES, AS DEFINED IN ORS 30.930, AND TO INQUIRE ABOUT THE RIGHTS OF NEIGHBORING PROPERTY OWNERS, IF ANY, UNDER ORS 195.300, 195.301 AND 195.305 TO 195.336 AND SECTIONS 5 TO 11, CHAPTER 424, OREGON LAWS 2007, SECTIONS 2 TO 9 AND 17, CHAPTER 855, OREGON LAWS 2009 AND SECTIONS 2 TO 7, CHAPTER 8, OREGON LAWS 2010.

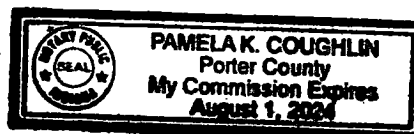
Executed this 7th day of December, 2016


Eric John Youngren

State of INDIANA, County of PORTER) ss.

This Instrument was acknowledged before me on this 7th day of December, 2016 by Eric John Youngren.

Notary Public for the State of INDIANA
My commission expires: 8/1/2024



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Water Intake Diagram

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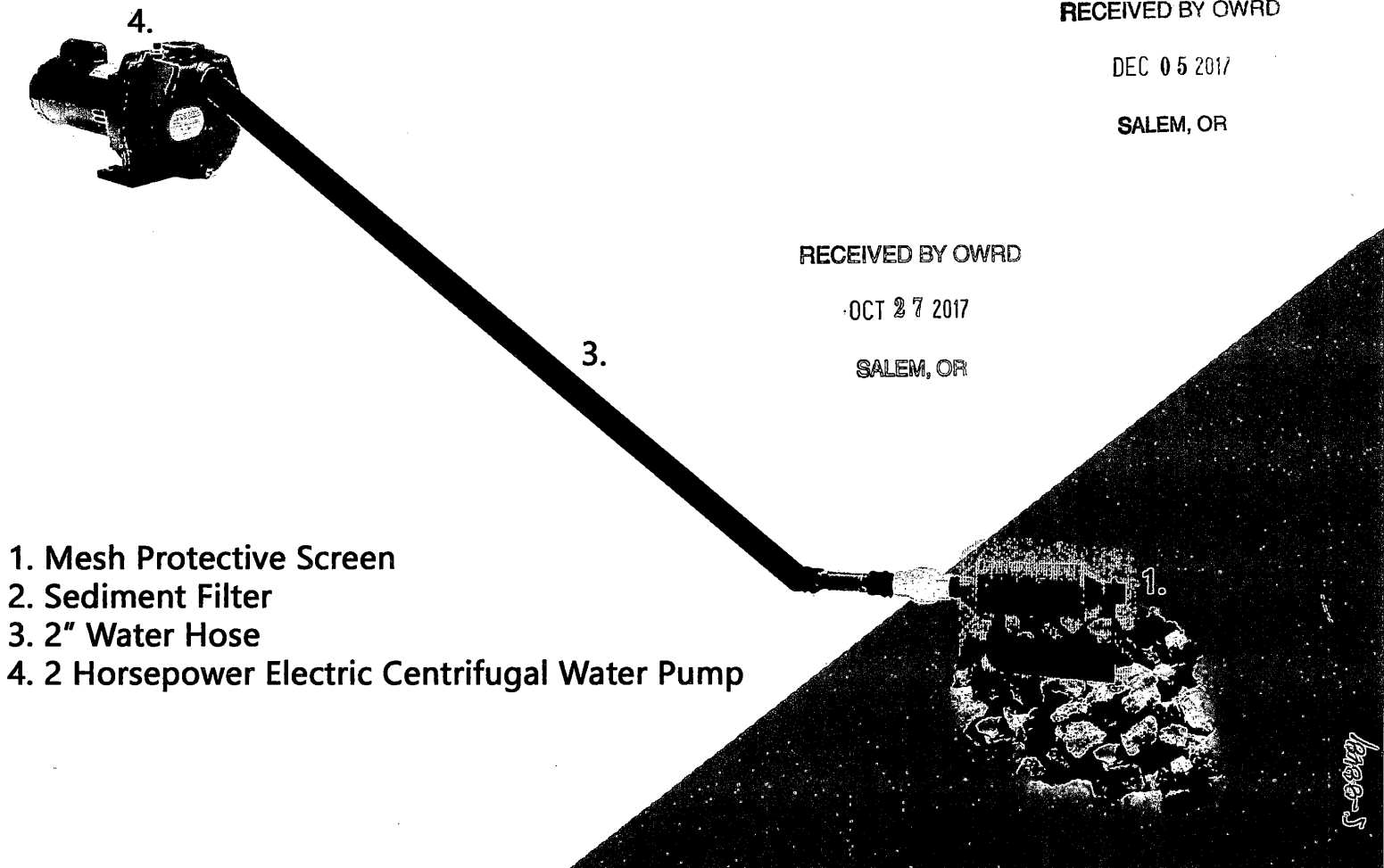
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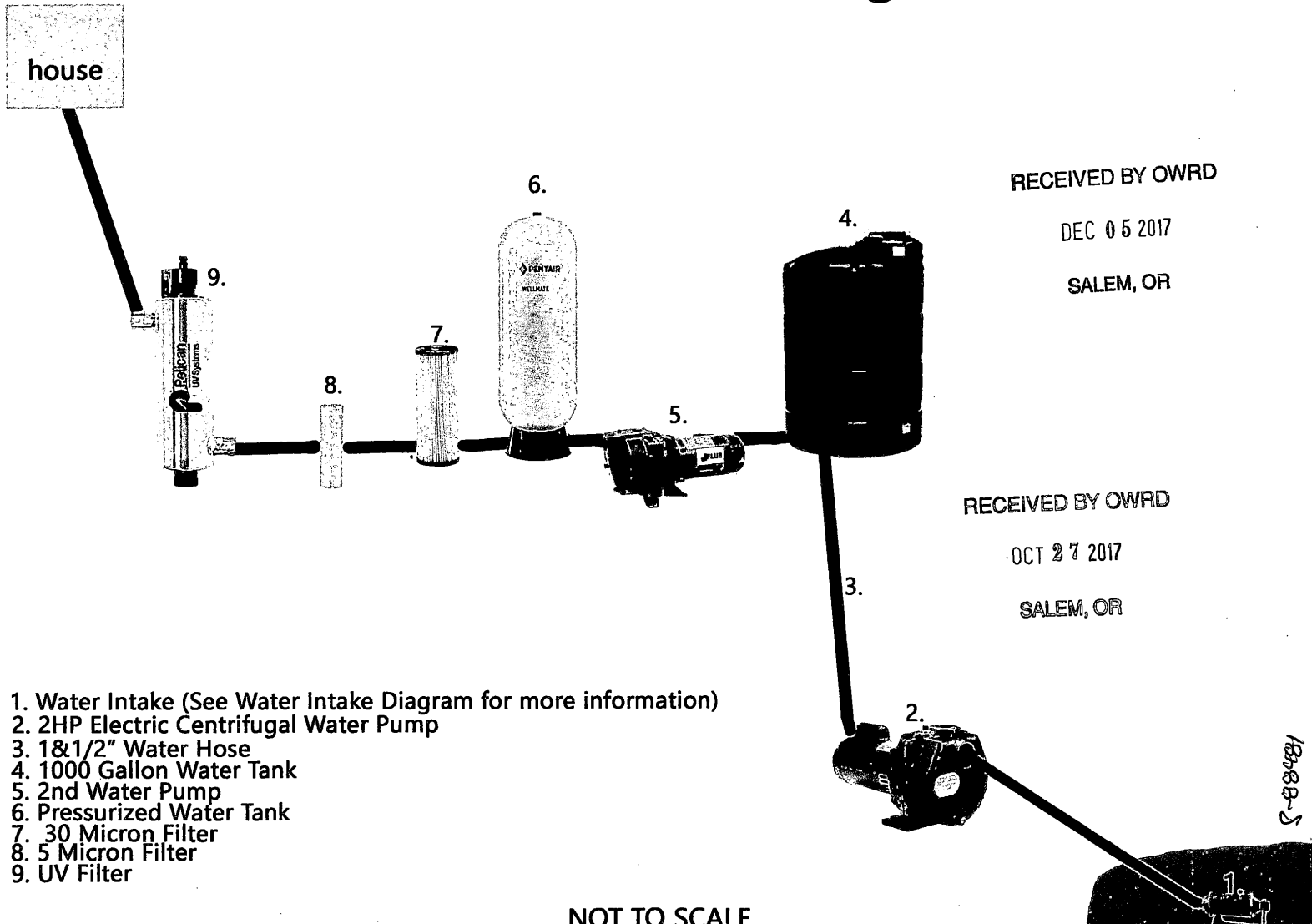
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Water Diversion Diagram



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Description Of Water Diagram

1.) Water Intake

- Diversion of water from Deer Creek will begin with a sediment filter, surrounded by a micro screen to protect wildlife from entering the water system

2.) Water Pump

- A 2 horsepower electrical centrifugal pump will be used to pump water from Deer Creek into a water storage tank

3.) Water Hose

- A 1½ inch water hose will connect the water pump with the storage tank

4.) Water Tank

- 1,000 gallon water storage tank to supply water for human consumption and domestic use

5.) 2nd Water Pump

- 1 horsepower electrical centrifugal pump used to pump water from storage tank into pressurized water tank

6.) Pressurized Water Tank

- Pressurized water tank to supply household water system with pressurized water

7.) 30 Micron Filter

- Filter for purification process, to filter out sediment

8.) 5 Micron Filter

- Filter for purification process, to filter out sediment

9.) UV Filter

- Filter for purification process, to filter out all bacteria

*** Wireless water meter to be placed inside home directly after UV filter system to monitor water use

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5-88401

Surface Water Application - Remarks

SECTION 4: WATER USE

Water will be used as needed to supply 1 household with water for human consumption and domestic uses at a maximum of 500 gallons per day (0.34 gpm per 24 hours).

SECTION 5: WATER MANAGEMENT

- A. **DIVERSION & CONVEYANCE:** Water will be diverted from Deer Creek by a screened, submerged sediment filter followed by a 2" hose leading to the water pump. The water pump will be a 2 horsepower centrifugal electric pump and will be attached to a level concrete base. The water pump will have a protective cover/housing. Connecting the water pump to the storage tank will be roughly 200' of 1½ inch water hosing. The water hose will be placed across the surface of the land and have no impact on the environment. The water hose will connect to a 1,000 gallon water storage tank, which will only fill up as needed. A hose will connect the water tank to a 1 horsepower centrifugal electric water pump, and be located inside a storage shelter near the household. From the water pump, a pipe will connect to a pressurized water tank. Another pipe will connect the pressurized water tank to the micron filters and UV filter, and then flow into the water system of the household. A digital water meter will be placed after the UV filter to monitor water usage.
- C. **CONSERVATION:** According to information based on the USGS website (<https://water.usgs.gov/edu/qa-home-percapita.html>) I calculated the maximum water use for an average household to be 500 gallons. However, it will be very rare that we consume that much water, but in the event that we have guests or special circumstances we would like the option to use water as needed. We will be installing all energy efficient appliances and using a digital water meter to closely monitor water usage. There will be no damage done to the surface water where the water is being diverted (Deer Creek) since we will be using a very minimally invasive water diversion system.

SECTION 6: RESOURCE PROTECTION

Precautions will be taken to protect the wildlife of the stream from entering into the water diversion system. A tightly woven mesh screen will surround the sediment filter. Therefore prohibiting any wildlife from accessing the water system. The screen will be closely monitored and maintained, and the sediment filter will be regularly changed out.

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S-8848

Job Number: 7092810
Report Date: October 4, 2017
ORELAP #: OR100028

Jessica Passecker
PO Box 187
Seal Rock, OR 97376

Dear Jessica Passecker,

Enclosed please find Pixis Labs analytical report for samples received as order number 7092810 on 09/27/17 at 16:10. Should you have any questions about this report or any other matter, please do not hesitate to contact us. We are here to help you.

The samples listed below were received in good condition, cooled at 13°C.

Laboratory Sample ID	Field Identification	Matrix	Collection Date	Collection Time
7092810-1	Dear Creek, Seal Rock, Or	Water	09/27/17	1230

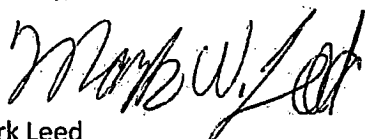
Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be kept a maximum of 15 days from the report date unless prior arrangements have been made.

NOTE: This analysis was subcontracted to BSK Associates in Vancouver, WA. BSK Associates is an ORELAP accredited laboratory.

*Samples were analyzed 9/29/17 11:45 am.

Thank you for allowing Pixis to be of service to you, we appreciate your business.

Sincerely,



Mark Leed
Client Services

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BSK Associates Vancouver
2517 E. Evergreen Blvd.
Vancouver, WA 98661
360-750-0055 (Main)
360-750-0057 (FAX)

V7I0611
10/03/2017

Melissa Hubbard
Pixis Laboratories
12423 NE Whitaker Way
Portland, OR 97230

RE: Report for V7I0611 Micro - Non Compliance

Dear Melissa Hubbard,

Thank you for using BSK Associates for your analytical testing needs. In the following pages, you will find the test results for the samples submitted to our laboratory on 9/28/2017. The results have been approved for release by our Laboratory Director as indicated by the authorizing signature below.

The samples were analyzed for the test(s) indicated on the Chain of Custody (see attached) and the results relate only to the samples analyzed. BSK certifies that the testing was performed in accordance with the quality system requirements specified in the 2009 TNI Standard. Any deviations from this standard or from the method requirements for each test procedure performed will be annotated alongside the analytical result or noted in the Case Narrative. Unless otherwise noted, the sample results are reported on an "as received" basis.

If additional clarification of any information is required, please contact your Project Manager, Debra Karlsson, at (360) 750-0055.

Thanks again for using BSK Associates. We value your business and appreciate your loyalty.

Sincerely,

Debra Karlsson, Project Manager

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ORELAP #4021

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V7I0611

Micro - Non Compliance

Case Narrative

Project and Report Details		Invoice Details
Client:	Pixis Laboratories	Invoice To: Pixis Laboratories
Report To:	Melissa Hubbard	Invoice Attn: Melissa Hubbard
Project #:	-	Project PO#: -
Received:	9/28/2017 - 13:38	
Report Due:	10/03/2017	

Sample Receipt Conditions

Cooler: Default Cooler

Temperature on Receipt °C: 7.1

Containers Intact

COC/Labels Agree

Received On Blue Ice

Packing Material - Other

Sample(s) were received in temperature range.

Initial receipt at BSK-VAL

Data Qualifiers

The following qualifiers have been applied to one or more analytical results:

None applied

Report Distribution

Recipient(s)	Report Format	CC:
Melissa Hubbard	FINAL.RPT	mleed@pixislabs.com;rreid@pixislabs.com

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V7I0611

Micro - Non Compliance

Certificate of Analysis

Sample ID: V7I0611-01

Sampled By: Client

Sample Description: Deer Creek, Seal Rock OR -7092810

Sample Date - Time: 09/27/17 - 12:30

Matrix: Drinking Water

Sample Type: Investigative

BSK Associates Vancouver

Microbiology

Analyte	Method	Result	RL Units	Batch	Prepared	Qual
<u>Coliform, Total and E.Coli by Quanti-Tray</u>						
E. Coli	SM 9223B	15.8	1 MPN/100 mL	V701148	09/28/17 15:00	↓
Total Coliform	SM 9223B	190.4	1 MPN/100 mL	V701148	09/28/17 15:00	↓

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V7I0611

Micro - Non Compliance

Certificate of Analysis

Notes:

- The Chain of Custody document and Sample Integrity Sheet are part of the analytical report.
- Any remaining sample(s) for testing will be disposed of according to BSK's sample retention policy unless other arrangements are made in advance.
- All positive results for EPA Methods 504.1 and 524.2 require the analysis of a Field Reagent Blank (FRB) to confirm that the results are not a contamination error from field sampling steps. If Field Reagent Blanks were not submitted with the samples, this method requirement has not been performed.
- Samples collected by BSK Analytical Laboratories were collected in accordance with the BSK Sampling and Collection Standard Operating Procedures.
- J-value is equivalent to DNQ (Detected, not quantified) which is a trace value. A trace value is an analyte detected between the MDL and the laboratory reporting limit. This result is of an unknown data quality and is only qualitative (estimated). Baseline noise, calibration curve extrapolation below the lowest calibrator, method blank detections, and integration artifacts can all produce apparent DNQ values, which contribute to the un-reliability of these values.
- (1) - Residual chlorine and pH analysis have a 15 minute holding time for both drinking and waste water samples as defined by the EPA and 40 CFR 136. Waste water and ground water (monitoring well) samples must be field filtered to meet the 15 minute holding time for dissolved metals.
- Summations of analytes (i.e. Total Trihalomethanes) may appear to add individual amounts incorrectly, due to rounding of analyte values occurring before or after the total value is calculated, as well as rounding of the total value.
- RL Multiplier is the factor used to adjust the reporting limit (RL) due to variations in sample preparation procedures and dilutions required for matrix interferences.
- Due to the subjective nature of the Threshold Odor Method, all characterizations of the detected odor are the opinion of the panel of analysts. The characterizations can be found in Standard Methods 2170B Figure 2170:1.
- The MCLs provided in this report (if applicable) represent the primary MCLs for that analyte.

Definitions

mg/L:	Milligrams/Liter (ppm)	MDL:	Method Detection Limit	MDA95:	Min. Detected Activity
mg/Kg:	Milligrams/Kilogram (ppm)	RL:	Reporting Limit: DL x Dilution	MPN:	Most Probable Number
µg/L:	Micrograms/Liter (ppb)	ND:	None Detected at RL	CFU:	Colony Forming Unit
µg/Kg:	Micrograms/Kilogram (ppb)	pCi/L:	Picocuries per Liter	Absent:	Less than 1 CFU/100mLs
%:	Percent Recovered (surrogates)	RL Mult:	RL Multiplier	Present:	1 or more CFU/100mLs
NR:	Non-Reportable	MCL:	Maximum Contaminant Limit		

Please see the individual Subcontract Lab's report for applicable certifications.

BSK is not accredited under the NELAP program for the following parameters:

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Certifications: Please refer to our website for a copy of our Accredited Fields of Testing under each certification.

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Fresno

State of California - ELAP	1180	State of Hawaii	4021
State of Nevada	CA000792018-1	State of Oregon - NELAP	4021-009
EPA - UCMR4	CA00079	State of Washington	C997-17B
State of New York	12073		
Sacramento			
State of California - ELAP	2435		
San Bernardino			
State of California - ELAP	2993	State of Oregon - NELAP	4119-002
Vancouver			
State of Oregon - NELAP	WA100008-010	State of Washington	C824-17

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SAMPDATA

CLIENT	PROJECT	PROJECTNUM	LabName	SAMPLENAME
Pixis Laboratories	Micro - Non Compliance	[none]	BSK Associates Vancouv	Deer Creek, Seal Rock O
Pixis Laboratories	Micro - Non Compliance	[none]	BSK Associates Vancouv	Deer Creek, Seal Rock O

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SAMPDATA

LABSAMPID	MATRIX	RPTMATRIX	SAMPDATE	PREPDATE
V710611-01	Water	Drinking Water	09/27/2017 12:30:00	09/28/2017 15:00:00
V710611-01	Water	Drinking Water	09/27/2017 12:30:00	09/28/2017 15:00:00

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SAMPDATA

ANADATE	BATCH	METHODCODE	METHODNAME	PREPNAME
09/29/2017 11:45:00	V701148	V-Quanti-Tray 2000 Total	SM 9223B	*** DEFAULT PREP ***
09/29/2017 11:45:00	V701148	V-Quanti-Tray 2000 Total	SM 9223B	*** DEFAULT PREP ***

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SAMPDATA

ANALYTE	CASNUMBER	SURROGATE	TIC	Result
E. Coll	NA	FALSE	FALSE	15.8
Total Coliform	NA	FALSE	FALSE	190.4

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1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

12423 NE Whitaker Way
Portland, OR 97230
Phone: (503) 254-1794 Fax: (503) 254-1452
www.pixislabs.com

Page 1 of 1

Some or all of this analyses may be subcontracted to an ORELAP accredited lab.

[illegible]

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO PIXIS WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE BACK OF THIS FORM.

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Pixis Labs

12423 NE Whitaker Way

Portland, OR 97230

503-254-1794

Job Number: 7092811
Report Date: 10/09/2017
ORELAP #: OR100028

Cover Letter

Jessica Passecker

PO Box 187

SEAL ROCK, OR 97376

Dear Jessica Passecker,

Enclosed please find Pixis Labs analytical report for samples received as order number 7092811 on 09/27/2017. Should you have any questions about this report or any other matter, please do not hesitate to contact us. We are here to help you.

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Pixis quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be kept a maximum of 15 days from the report date unless prior arrangements have been made.

Thank you for allowing Pixis to be of service to you, we appreciate your business.

Sincerely,

Signed

Richard Reid

Project Manager

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Sample Results

Job Number: 7092811

Report Date: 10/09/2017

ORELAP #: OR100028

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Matrix:
General
Water

Sample: Deer Creek Seal Rock, Oregon

Collected: 09/27/17 12:30

Temp: 13 C

Lab ID: 140924

Received: 09/27/17 16:10

Evidence of Cooling: Y

Analyte	Result	Units	MRL	Dil.	Batch	Start/Extract	Analyzed	Notes
Method: EPA 245.1								
Mercury	ND	mg/L	0.0002	1	32870-8		10/04/17 15:29	
Method: EPA 300.0								
Nitrate	0.121	mg/L	0.0500	1	32841-8		09/28/17 17:54	
Method: EPA 200.8								
Arsenic	ND	mg/L	0.0020	10	32864-13	10/02/17 10:48	10/03/17 16:08	
Barium	0.0137	mg/L	0.0008	10	32864-13	10/02/17 10:48	10/03/17 16:08	
Cadmium	ND	mg/L	0.0008	10	32864-13	10/02/17 10:48	10/03/17 16:08	
Chromium	ND	mg/L	0.0060	10	32864-13	10/02/17 10:48	10/03/17 16:08	
Lead	ND	mg/L	0.0008	10	32864-13	10/02/17 10:48	10/03/17 16:08	
Selenium	ND	mg/L	0.0200	10	32864-13	10/02/17 10:48	10/03/17 16:08	
Silver	ND	mg/L	0.0020	10	32882-11	10/02/17 10:48	10/04/17 13:27	

Laboratory Quality Control Results

EPA 245.1

QC - Initial Calibration Verif. -

Analyte	Result	Spike	Units	Recovery	Batch ID: 32870-3	Limits	RPD	Limit	Notes
Mercury	0.0009	0.0010	mg/L	95 %		90-110	---	---	

QC - Continuing Calibration Verif. - A

Analyte	Result	Spike	Units	Recovery	Batch ID: 32870-11	Limits	RPD	Limit	Notes
Mercury	0.0018	0.0020	mg/L	92 %		90-110	---	---	

QC - Initial Calibration Blank -

Analyte	Result	Spike	Units	Recovery	Batch ID: 32870-5	Limits	RPD	Limit	Notes
Mercury	ND		mg/L	---		---	---	---	

QC - Matrix Spike - of Sample 32870 - 8

Analyte	Result	Org.Result	Spike	Units	Recovery	Batch ID: 32870-9	Limits	RPD	Limit	Notes
Mercury	0.0016	0.0000	0.0017	mg/L	95 %		75-125	---	---	

QC - Matrix Spike Duplicate - of Sample 32870 - 8

Analyte	Result	Org.Result	Spike	Units	Recovery	Batch ID: 32870-10	Limits	RPD	Limit	Notes
Mercury	0.0016	0.0000	0.0017	mg/L	95 %		75-125	0	20	

EPA 300.0

QC - Initial Calibration Verif. -

Analyte	Result	Spike	Units	Recovery	Batch ID: 32841-4	Limits	RPD	Limit	Notes
Nitrate	0.219	0.225	mg/L	97 %		90-110	---	---	

QC - Continuing Calibration Verif. - A

Analyte	Result	Spike	Units	Recovery	Batch ID: 32841-15	Limits	RPD	Limit	Notes
Nitrate	0.235	0.225	mg/L	104 %		90-110	---	---	

QC - Initial Calibration Blank -

Analyte	Result	Spike	Units	Recovery	Batch ID: 32841-2	Limits	RPD	Limit	Notes
Nitrate	ND		mg/L	---		---	---	---	

QC - Matrix Spike - of Sample 32841 - 6

Analyte	Result	Org.Result	Spike	Units	Recovery	Batch ID: 32841-13	Limits	RPD	Limit	Notes
Nitrate	0.580	0.346	0.226	mg/L	104 %		80-120	---	---	

QC - Matrix Spike Duplicate - of Sample 32841 - 6

Batch ID: 32841-14

Analyte	Result	Org.Result	Spike	Units	Recovery	Limits	RPD	Limit	Notes
Nitrate	0.563	0.346	0.226	mg/L	96 %	80-120	3	20	
EPA 200.8									

QC - Initial Calibration Verif. -

Batch ID: 32864-5

Analyte	Result	Spike	Units	Recovery	Limits	RPD	Limit	Notes
Arsenic	0.0101	0.0100	mg/L	101 %	90-110	---	---	
Barium	0.0098	0.0100	mg/L	98 %	90-110	---	---	
Cadmium	0.0102	0.0100	mg/L	102 %	90-110	---	---	
Chromium	0.0106	0.0100	mg/L	106 %	90-110	---	---	
Lead	0.0103	0.0100	mg/L	103 %	90-110	---	---	
Selenium	0.0494	0.0501	mg/L	99 %	90-110	---	---	

QC - Initial Calibration Verif. -

Batch ID: 32882-5

Analyte	Result	Spike	Units	Recovery	Limits	RPD	Limit	Notes
Lead	0.0103	0.0100	mg/L	103 %	90-110	---	---	
Selenium	0.0482	0.0501	mg/L	96 %	90-110	---	---	
Silver	0.0094	0.0100	mg/L	94 %	90-110	---	---	

QC - Continuing Calibration Blank - B

Batch ID: 32864-8

Analyte	Result	Spike	Units	Recovery	Limits	RPD	Limit	Notes
Arsenic	ND		mg/L	---	---	---	---	
Barium	ND		mg/L	---	---	---	---	
Cadmium	ND		mg/L	---	---	---	---	
Chromium	ND		mg/L	---	---	---	---	
Lead	ND		mg/L	---	---	---	---	
Selenium	ND		mg/L	---	---	---	---	

QC - Continuing Calibration Blank - B

Batch ID: 32882-8

Analyte	Result	Spike	Units	Recovery	Limits	RPD	Limit	Notes
Arsenic	ND		mg/L	---	---	---	---	
Lead	ND		mg/L	---	---	---	---	
Selenium	ND		mg/L	---	---	---	---	
Silver	ND		mg/L	---	---	---	---	

QC - Continuing Calibration Verif. - B

Batch ID: 32864-7

Analyte	Result	Spike	Units	Recovery	Limits	RPD	Limit	Notes
Arsenic	0.0050	0.0050	mg/L	100 %	85-115	---	---	
Barium	0.0051	0.0050	mg/L	102 %	85-115	---	---	
Cadmium	0.0052	0.0050	mg/L	103 %	85-115	---	---	
Chromium	0.0052	0.0050	mg/L	105 %	85-115	---	---	
Lead	0.0050	0.0050	mg/L	100 %	85-115	---	---	
Selenium	0.0052	0.0050	mg/L	103 %	85-115	---	---	

QC - Continuing Calibration Verif. - B

Batch ID: 32882-7

Analyte	Result	Spike	Units	Recovery	Limits	RPD	Limit	Notes
Arsenic	0.0046	0.0050	mg/L	93 %	85-115	---	---	
Lead	0.0049	0.0050	mg/L	99 %	85-115	---	---	
Selenium	0.0049	0.0050	mg/L	98 %	85-115	---	---	
Silver	0.0047	0.0050	mg/L	94 %	85-115	---	---	

QC - Continuing Calibration Verif. - A

Batch ID: 32864-19

Analyte	Result	Spike	Units	Recovery	Limits	RPD	Limit	Notes
Arsenic	0.0195	0.0200	mg/L	98 %	85-115	---	---	
Barium	0.0201	0.0200	mg/L	101 %	85-115	---	---	
Cadmium	0.0198	0.0200	mg/L	99 %	85-115	---	---	
Chromium	0.0196	0.0200	mg/L	98 %	85-115	---	---	
Lead	0.0193	0.0200	mg/L	97 %	85-115	---	---	
Selenium	0.0197	0.0200	mg/L	98 %	85-115	---	---	

QC - Continuing Calibration Verif. - A

Batch ID: 32882-15

Analyte	Result	Spike	Units	Recovery	Limits	RPD	Limit	Notes
Arsenic	0.0191	0.0200	mg/L	96 %	85-115	---	---	
Lead	0.0203	0.0200	mg/L	102 %	85-115	---	---	
Selenium	0.0200	0.0200	mg/L	100 %	85-115	---	---	
Silver	0.0216	0.0200	mg/L	108 %	85-115	---	---	

QC - Initial Calibration Blank -

Batch ID: 32864-6

Analyte	Result	Spike	Units	Recovery	Limits	RPD	Limit	Notes
Arsenic	ND		mg/L	---	---	---	---	

Barium	ND	mg/L	---	---	---	---
Cadmium	ND	mg/L	---	---	---	---
Chromium	ND	mg/L	---	---	---	---
Lead	ND	mg/L	---	---	---	---
Selenium	ND	mg/L	---	---	---	---

QC - Initial Calibration Blank -

Batch ID: 32882-6

Analyte	Result	Spike	Units	Recovery	Limits	RPD	Limit	Notes
Arsenic	ND		mg/L	---	---	---	---	
Lead	ND		mg/L	---	---	---	---	
Selenium	ND		mg/L	---	---	---	---	
Silver	ND		mg/L	---	---	---	---	

QC - Laboratory Control Sample - Prep Batch: 2050

Batch ID: 32864-10

Analyte	Result	Spike	Units	Recovery	Limits	RPD	Limit	Notes
Arsenic	0.107	0.100	mg/L	107 %	85-115	---	---	
Barium	0.107	0.100	mg/L	107 %	85-115	---	---	
Cadmium	0.108	0.100	mg/L	108 %	85-115	---	---	
Chromium	0.0987	0.100	mg/L	99 %	85-115	---	---	
Lead	0.106	0.100	mg/L	106 %	85-115	---	---	
Selenium	0.102	0.100	mg/L	102 %	85-115	---	---	

QC - Laboratory Control Sample - Prep Batch: 2050

Batch ID: 32882-10

Analyte	Result	Spike	Units	Recovery	Limits	RPD	Limit	Notes
Arsenic	0.109	0.100	mg/L	109 %	85-115	---	---	
Lead	0.107	0.100	mg/L	107 %	85-115	---	---	
Selenium	0.102	0.100	mg/L	102 %	85-115	---	---	
Silver	0.0994	0.100	mg/L	99 %	85-115	---	---	

QC - Method Blank - Prep Batch: 2050

Batch ID: 32864-9

Analyte	Result	Spike	Units	Recovery	Limits	RPD	Limit	Notes
Arsenic	ND		mg/L	---	---	---	---	
Barium	ND		mg/L	---	---	---	---	
Cadmium	ND		mg/L	---	---	---	---	
Chromium	ND		mg/L	---	---	---	---	
Lead	ND		mg/L	---	---	---	---	
Selenium	ND		mg/L	---	---	---	---	

QC - Method Blank - Prep Batch: 2050

Batch ID: 32882-9

Analyte	Result	Spike	Units	Recovery	Limits	RPD	Limit	Notes
Arsenic	ND		mg/L	---	---	---	---	
Lead	ND		mg/L	---	---	---	---	
Selenium	ND		mg/L	---	---	---	---	
Silver	ND		mg/L	---	---	---	---	

QC - Post Digestion Spike - of Sample 32882 - 12 Prep Batch: 2050

Batch ID: 32882-20

Analyte	Result	Org.Result	Spike	Units	Recovery	Limits	RPD	Limit	Notes
Silver	0.670	0.310	0.400	mg/L	95 %	75-125	0		

Abbreviations

MRL	Method Reporting Limit
ND	None Detected at or above the MRL
RPD	Relative Percent Difference

Units of Measure:

mg/L	Milligrams Per Liter
------	----------------------

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DEC 05 2017

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OCT 27 2017

SALEM, OR

PASSECKERJCS 7052811



Page 1 of 1

Chain of Custody Record

12423 NE Whitaker Way
Portland, OR 97230
Phone: (503) 254-1794 Fax: (503) 254-1452
www.pixislabs.com

**Please inform us if you know or suspect that
your sample contains hazardous chemicals.**

Some or all of this analyses may be subcontracted to an ORELAP accredited lab.

[illegible]

SUBMISSION OF SAMPLES WITH TESTING REQUIREMENTS TO PIXIS WILL BE UNDERSTOOD TO BE AN AGREEMENT FOR SERVICES IN ACCORDANCE WITH THE CONDITIONS LISTED ON THE BACK OF THIS FORM.

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Water Availability Analysis Detailed Reports

DEER CR > PACIFIC OCEAN - AT MOUTH
MIDDLE COAST BASIN

Watershed ID #: 31820424 ([Map](#))
Date: 10/25/2017

Water Availability as of 10/25/2017

Exceedance Level: 80% ▼
Time: 12:08 PM

[Water Availability Calculation](#)

[Consumptive Uses and Storages](#)

[Instream Flow Requirements](#)

[Reservations](#)

[Water Rights](#)

[Watershed Characteristics](#)

Water Rights Associated with the Selected Watershed

All municipal water rights associated with this watershed are shown here regardless of priority date.

For other water rights, only those permitted since 1992 are shown. Whether shown here or not,
all water rights associated with this watershed are included in the water availability calculation.

No water rights were found for this watershed.

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water resources department watershed characteristics.txt
WATERSHED CHARACTERISTICS

DEER CR > PACIFIC OCEAN - AT MOUTH

Watershed ID #: 31820424

Basin: MIDDLE COAST

Time: 11:54 AM

Date: 10/25/2017

Latitude of Outlet	44.507400	degrees
Longitude of Outlet	-124.081000	degrees
Latitude of Centroid	44.499000	degrees
Longitude of Centroid	-124.063000	degrees
Drainage Area	0.9460	square miles
Stream Length	1.169	miles
Perimeter	4.974	miles
Lakes and Ponds	0.0	percent
Area/Perimeter	0.1900	unitless
Maximum Relief	298.6	feet
Mean Slope	4.248	degrees
Average Aspect	234.2	degrees
Mean Elevation	194.5	feet
Area above 3000 ft	0.0	percent
Area above 4000 ft	0.0	percent
Area above 5000 ft	0.0	percent
Area above 6000 ft	0.0	percent
Mean Annual Precip	75.19	inches
Mean Annual Min Temp	41.12	inches
Mean January Min Temp	33.02	degrees Fahrenheit
Mean February Min Temp	35.18	degrees Fahrenheit
Mean March Min Temp	36.60	degrees Fahrenheit
Mean April Min Temp	38.52	degrees Fahrenheit
Mean May Min Temp	42.65	degrees Fahrenheit
Mean June Min Temp	47.58	degrees Fahrenheit
Mean July Min Temp	49.85	degrees Fahrenheit
Mean August Min Temp	49.95	degrees Fahrenheit
Mean September Min Temp	46.68	degrees Fahrenheit
Mean October Min Temp	41.85	degrees Fahrenheit
Mean November Min Temp	37.72	degrees Fahrenheit
Mean December Min Temp	33.88	degrees Fahrenheit

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WATER AVAILABILITY TABLE

DEER CR > PACIFIC OCEAN - AT MOUTH

Watershed ID #: 31820424

Basin: MIDDLE COAST

Exceedance Level: 80

Time: 11:46 AM

Date: 10/25/2017

Watershed

Nest ID Number Stream Name

JAN FEB MAR APR

MAY JUN JUL AUG SEP OCT NOV DEC STOR

1 31820424 DEER CR > PACIFIC OCEAN - AT MOUTH
YES YES YES YES YES YES YES YES YES

YES YES YES YES

LIMITING WATERSHEDS

DEER CR > PACIFIC OCEAN - AT MOUTH

Watershed ID #: 31820424

Basin: MIDDLE COAST

Exceedance Level: 80

Time: 11:46 AM

Date: 10/25/2017

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Limiting

Month Watershed Stream Name
Water Available? Net Water Available

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Monthly values are in cfs.

Storage is the annual amount at 50% exceedance
in ac-ft.

JAN 31820424 DEER CR > PACIFIC OCEAN - AT MOUTH

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water resources department analysis.txt

		YES	3.3
FEB	31820424	DEER CR >	PACIFIC OCEAN - AT MOUTH
		YES	3.9
MAR	31820424	DEER CR >	PACIFIC OCEAN - AT MOUTH
		YES	3.4
APR	31820424	DEER CR >	PACIFIC OCEAN - AT MOUTH
		YES	1.8
MAY	31820424	DEER CR >	PACIFIC OCEAN - AT MOUTH
		YES	1.3
JUN	31820424	DEER CR >	PACIFIC OCEAN - AT MOUTH
		YES	0.5
JUL	31820424	DEER CR >	PACIFIC OCEAN - AT MOUTH
		YES	0.4
AUG	31820424	DEER CR >	PACIFIC OCEAN - AT MOUTH
		YES	0.3
SEP	31820424	DEER CR >	PACIFIC OCEAN - AT MOUTH
		YES	0.3
OCT	31820424	DEER CR >	PACIFIC OCEAN - AT MOUTH
		YES	0.4
NOV	31820424	DEER CR >	PACIFIC OCEAN - AT MOUTH
		YES	1.5
DEC	31820424	DEER CR >	PACIFIC OCEAN - AT MOUTH
		YES	3.3
ANN	31820424	DEER CR >	PACIFIC OCEAN - AT MOUTH
		YES	2,300

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DETAILED REPORT ON THE WATER AVAILABILITY

CALCULATION

DEER CR > PACIFIC OCEAN - AT MOUTH

Watershed ID #: 31820424

Basin: MIDDLE COAST

Exceedance Level: 80

Time: 11:46 AM

Date: 10/25/2017

Month	Natural	Consumptive	Expected	Reserved
Instream	Stream	Net	Stream	Stream
Requirements	Flow	Use and	Flow	Flow
	Available	Storage		

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water resources department analysis.txt

Monthly values are in cfs.

Storage is the annual amount at 50% exceedance
in ac-ft.

JAN	0.00	3.27	0.00	3.27	0.00
FEB	0.00	3.85	0.00	3.85	0.00
MAR	0.00	3.37	0.00	3.37	0.00
APR	0.00	1.83	0.00	1.83	0.00
MAY	0.00	1.25	0.00	1.25	0.00
JUN	0.00	0.54	0.00	0.54	0.00
JUL	0.00	0.44	0.01	0.43	0.00
AUG	0.00	0.31	0.01	0.30	0.00
SEP	0.00	0.27	0.00	0.27	0.00
OCT	0.00	0.38	0.00	0.38	0.00
NOV	0.00	1.45	0.00	1.45	0.00
DEC	0.00	3.34	0.00	3.34	0.00
ANN	0	2,300	1	2,300	0

DETAILED REPORT OF CONSUMPTIVE USES AND STORAGE

DEER CR > PACIFIC OCEAN - AT MOUTH

Watershed ID #: 31820424

Basin: MIDDLE COAST

Time: 11:46 AM

Date: 10/25/2017

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Page 3 DEC 05 2017

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water resources department analysis.txt

Month	Storage	Irrigation	Municipal	Industrial	Commercial	Domestic
Agriculture	Other	Total				

Monthly values are in cfs.

JAN	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00			
FEB	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00			
MAR	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00			
APR	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00			
MAY	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00			
JUN	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00			
JUL	0.00	0.01	0.00	0.00	0.00	0.00
	0.00	0.01				
AUG	0.00	0.01	0.00	0.00	0.00	0.00
	0.00	0.01				
SEP	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00			
OCT	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00			
NOV	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00			
DEC	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00			

DETAILED REPORT OF RESERVATIONS FOR STORAGE AND

CONSUMPTIVE USE

DEER CR > PACIFIC OCEAN - AT MOUTH

Watershed ID #: 31820424

Basin: MIDDLE COAST

Time: 11:46 AM

Date: 10/25/2017

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water resources department analysis.txt

Application

Number		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
SEP	OCT	NOV	DEC						

Monthly values are in cfs.

No Reservations were found for this Water

Availability Basin

DETAILED REPORT OF INSTREAM REQUIREMENTS

DEER CR > PACIFIC OCEAN - AT MOUTH

Watershed ID #: 31820424

Basin: MIDDLE COAST

Time: 11:46 AM

Date: 10/25/2017

Application

Number	Status	JAN	FEB	MAR	APR	MAY	JUN	JUL
AUG	SEP	OCT	NOV	DEC				

Monthly values are in

cfs.

No Instream Requirements were found for this

Water Availability Basin

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water resources department consumptive uses.txt
 DETAILED REPORT OF CONSUMPTIVE USES AND STORAGE

DEER CR > PACIFIC OCEAN - AT MOUTH

Watershed ID #: 31820424
 Basin: MIDDLE COAST
 Time: 11:52 AM
 Date: 10/25/2017

Month	Storage	Irrigation	Municipal	Industrial	Commercial	Domestic
Agriculture	Other	Total				

Monthly values are in cfs.

JAN	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00			
FEB	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00			
MAR	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00			
APR	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00			
MAY	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00			
JUN	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00			
JUL	0.00	0.01	0.01	0.00	0.00	0.00
	0.00	0.00	0.01			
AUG	0.00	0.01	0.01	0.00	0.00	0.00
	0.00	0.00	0.01			
SEP	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00			
OCT	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00			
NOV	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00			
DEC	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	0.00			

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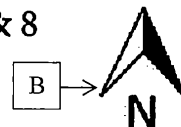
100000-5

New Water Right Applications require a map, meeting certain standards, accompany the application. The map standards are governed by Oregon Administrative Rule 690-310-0050. Below is an example of each requirement on a sample map. (NOTE: Maps may vary in their appearance, but must all contain the minimum required elements.)

A) Township, Range and Section

A → T 11 S, R 4 W, Sections 7 & 8

B) North Directional Symbol



C) Even Scale no smaller than 1" = 1320'

C → 1" = 800'

D) Tax Lots Identified

E) 1/4, 1/4 Public Land Survey subdivision identified

F) Public Land Survey reference corner

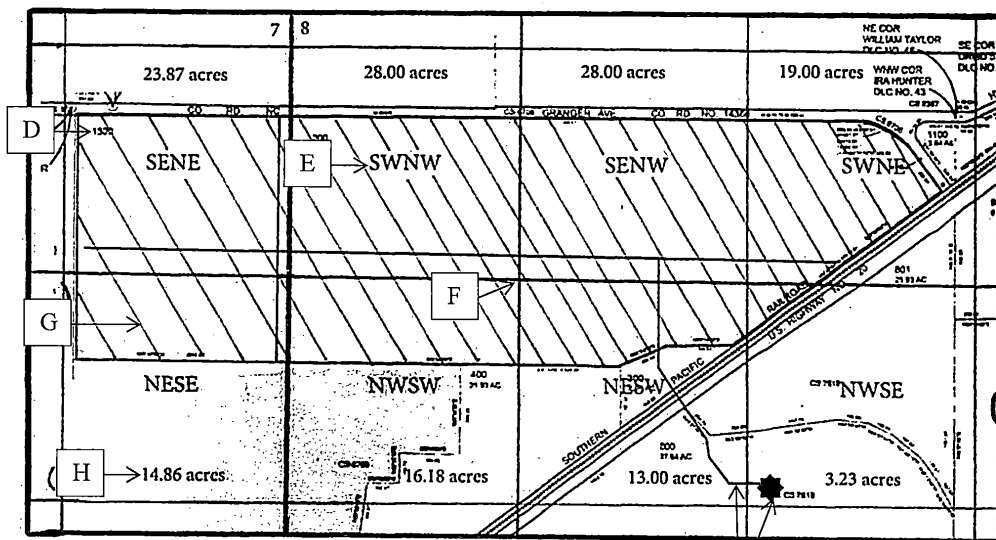
G) Hachury to identify place of use



H) For irrigation or nursery uses, number of acres to be irrigated in each 1/4, 1/4 Public Land Survey subdivision

I) Well or Diversion and conveyance line to place of use

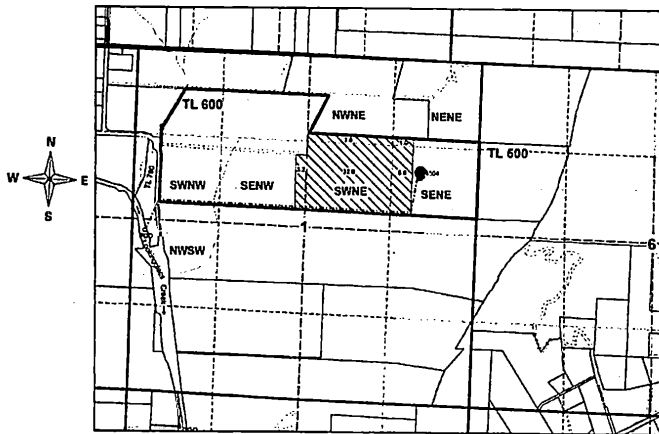
J) Description of the location of the well or surface water diversion, referenced to a Public Land Survey reference corner



J → Proposed Well Located 1165 feet South and 161 feet East from the center of section 8

Other Sample Maps

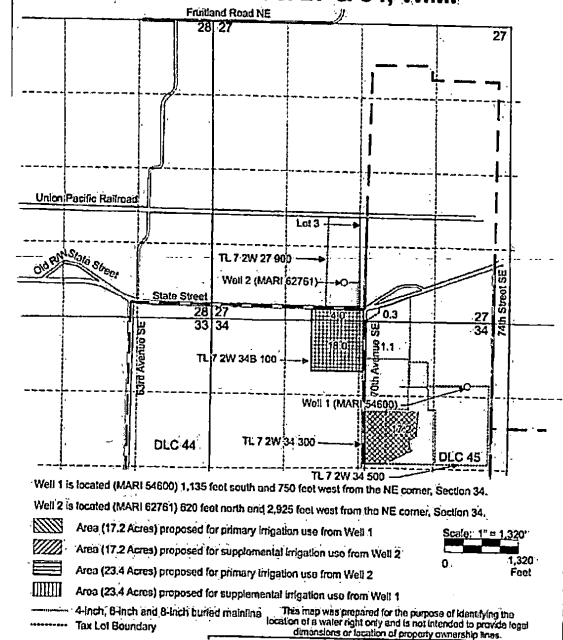
T.28S. R.7W. Section 1 Douglas County Scale: 1" = 1,320'



Point of Diversion is 2,720 ft. south and 180 ft. east from the northwest corner of Section 1.

August 2017

T.7S. R.2W. Sec. 27 & 34, W.M.



Page 2 of 4

Page 2 of 4

Map Requirements for New Water Right Applications

Provided is a sample map which contains all of the required elements for the map that must be submitted with a new Application for a Permit to Use Groundwater or Surface Water. Below are brief descriptions of the elements.

A) Township, Range and Section

The Public Land Survey System (PLSS) method used in the United States to divide, or "Plat", land established a rectangular grid system by which land could be described for the purposes of mapping and selling of real property. Locations on a map could be arrived at by referencing the grid using the Township and Range to zoom in on a specific area, usually measuring 36 square miles. The Township describes the areas location North to South, and the Range describes the areas location East to West. These areas are further divided into approximately 1 square mile areas known as Sections. Oregon is divided into 9 northern Townships, 41 southern Townships, 16 western Ranges and 51 eastern Ranges.

B) North Directional Symbol

For orientation purposes, the map must indicate which direction is North, relative to the paper the map is printed on.

C) Even Map Scale

An even map scale is required for a complete map. The scale must be true to the dimensions of the map (be sure to check the scale of your map after it is printed). The scale cannot exceed 4-inches to a mile (1-inch = 1,320-feet). Even scales will be in increments of ten feet, i.e. 1" = 400', 1" = 550', 1" = 720' etc. Scales such as 1" = 25.4 feet or 1" = 43 feet will not be accepted.

D) Tax Lot

The map must identify all individual tax lots where water will be diverted, conveyed or used.

E) 1/4, 1/4 Section subdivisions identified

The 1-square mile Sections described above are further divided into 1/4 Sections by bisecting the midpoint of the Section on the North/South and West/East Section lines. These 1/4 Sections are further divided into 1/4, 1/4 Sections (1/16 Sections). These 1/4, 1/4 Sections measure approximately 1,320 feet by 1,320 feet.

F) Public Land Survey Reference Corner

The grid produced by the division of lands using the Township, Range, Section 1/4 Section, and 1/4, 1/4 Section subdivision method creates a number of intersecting lines. Each of these line intersections are recognized as PLSS Reference corners. Additionally, in some areas other subdivisions known as Donation Land Claims (DLC) may be used as the reference corner.

G) Hachury

Hachury is an identifying texture added to the map to show the area where water will be used. Diagonal lines are the most common representation; however any continuous symbol over the area is acceptable.

H) Acres per 1/4, 1/4 PLSS subdivision

The map must show a breakdown of the number of acres in each 1/4, 1/4 PLSS subdivision.

I) Well or Diversion and Conveyance

The map must identify the location of the well or diversion with a unique symbol. Additionally, if the well or diversion fall outside of the area the water is to be used, the map must also include the approximate location of the conveyance system (pipe, ditch etc) from the well or diversion to the area of use.

J) Description of the location of the well or diversion

The map must include a description of the location of the well or diversion, referenced to a recognized PLSS corner, using the distance North/South and West/East from the reference corner. Additionally, the location may be identified using latitude and longitude coordinates.



Oregon

Kate Brown, Governor

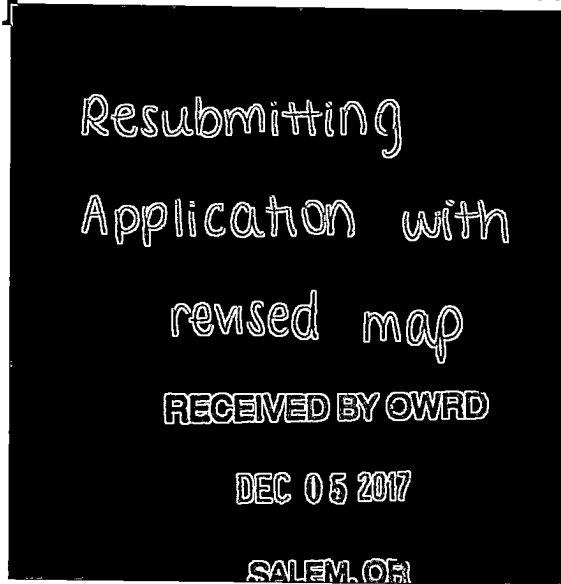
Water Resources Department

North Mall Office Building
725 Summer St NE, Suite A
Salem, OR 97301
Phone (503) 986-0900
Fax (503) 986-0904
www.wrd.state.or.us

October 30, 2017

Vaillant Passecker
9750 N. Monterey Dr. Unit 31
Fountain Hills, AZ 85268

Dear Vaillant:



The Water Resources Department has received your application for a permit to use surface. At this time, however, we are unable to accept your application because the map does not meet minimum filing requirements according to the Oregon Administrative Rules (OAR 690-310-0040 and 0050).

We are therefore returning the incomplete application and fees. Included with your returned application is a reference sheet to assist you in developing a map that meets the minimum requirements. You may resubmit the application with the additional required information and fees noted on the enclosed checklist.

Should you have any questions, please contact Water Right Customer Service at 503-986-0801.

Sincerely,

Jeffrey D. Pierceall
Customer Service Group

Cc: OWRD Fiscal

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