CLAIM OF BENEFICIAL USE for Surface Water Permits claiming 0.1 cfs or less

OREGON WATER RESOURCES DEPARTMENT
Oregon Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1266
(503) 986-0900
www.oregon.gov/OWRD

A fee of $230 must accompany this form for permits with priority dates of July 9, 1987, or later.

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SECTION 1

GENERAL INFORMATION

1. File Information:

APPLICATION #	PERMIT # (IF APPLICABLE)	PERMIT AMENDMENT # (IF APPLICABLE)
S-87251	**S-54530**	

2. Property Owner (current owner information):

APPLICANT/BUSINESS NAME		PHONE NO.	ADDITIONAL CONTACT NO.
LAUREN D. AND DENA M. YOUNG, TRUSTEES		**541-440-8441**	
ADDRESS **820 Old Garden Valley Road**			
CITY **Roseburg**	STATE **OR**	ZIP **97471**	E-MAIL

If the current property owner is not the permit holder of record, it is recommended that an assignment be filed with the Department. ***Each*** *permit holder of record must sign this form.*

3. Permit holder of record (this may, or may not, be the current property owner):

PERMIT HOLDER OF RECORD **Same**		
ADDRESS		
CITY	STATE	ZIP

ADDITIONAL PERMIT HOLDER OF RECORD **NA**		
ADDRESS		
CITY	STATE	ZIP

4. Date of Site Inspection:

9/12/2022

5. Person(s) interviewed and description of their association with the project:

NAME	DATE	ASSOCIATION WITH THE PROJECT
Lauren Young	**9/12/2022**	**Property owner**

6. County:

Douglas

7. If any property described in the place of use of the permit final order is excluded from this report, identify the owner of record for that property (ORS 537.230(5)):

OWNER OF RECORD **NA**		
ADDRESS		
CITY	STATE	ZIP

Add additional tables for owners of record as needed

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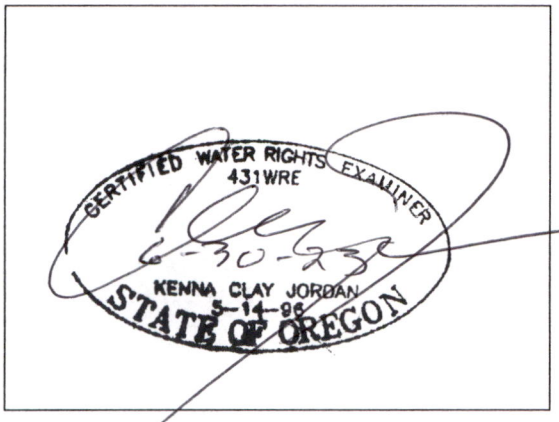
SECTION 2
SIGNATURES

CWRE Statement, Seal and Signature

The facts contained in this Claim of Beneficial Use are true and correct to the best of my knowledge.



CWRE NAME **Kenna Clay Jordan**		PHONE NO. **541 430-6926**	ADDITIONAL CONTACT NO.
ADDRESS **460 Jordan Lane**			
CITY **Roseburg**	STATE **OR**	ZIP **97471**	E-MAIL

Permit Holder's of Record Signature or Acknowledgement

Each *permit holder of record must sign this form in the space provided below.*

The facts contained in this Claim of Beneficial Use are true and correct to the best of my knowledge. I request that the Department issue a water right certificate.

SIGNATURE	PRINT OR TYPE NAME	TITLE	DATE
Lauren D Young	Lauren D Young	owner	12-21-22.
Dena Young	Dena Young	owner	12-21-22.

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SECTION 3

CLAIM DESCRIPTION

1. POD source and, if from surface water, the tributary:

POD NAME OR NUMBER	SOURCE	TRIBUTARY
POD	**North Umpqua River**	**Umpqua River**

2. Developed use(s), period of use, and rate for each use:

POD NAME OR NUMBER	USES	IF IRRIGATION, LIST CROP TYPE	SEASON OR MONTHS WHEN WATER WAS USED	ACTUAL RATE OR VOLUME USED (CFS, GPM, OR AF)
POD	**Domestic Expanded**		**Year round**	**0.01 CFS**
Total Quantity of Water Used				**0.01 CFS**

3. Provide a general narrative description of the distribution works. This description must trace the water system from **each** point of diversion to the place of use:

Water is pumped via a jet pump located in the house basement. Water is delivered to several faucets used for cleaning, boots etc. and decks. Water is also delivered to in ground sprinklers and drippers

Reminder: The map associated with this claim must identify the location of the point(s) of diversion, Donation Land Claims (DLC), Government Lots (GLot), and Quarter-Quarters (QQ).

4. Variations:

Was the use developed differently from what was authorized by the permit, permit amendment final order, or extension final order? If yes, describe below. **NO**

(e.g. *"The permit allowed three points of diversion. The water user only developed one of the points."* or *"The permit allowed 40.0 acres of irrigation. The water user only developed 10.0 acres."*)

5. Claim Summary:

POD / POA NAME OR #	MAXIMUM RATE AUTHORIZED	CALCULATED THEORETICAL RATE BASED ON SYSTEM	AMOUNT OF WATER MEASURED	USE	# OF ACRES ALLOWED	# OF ACRES DEVELOPED
POD	**0.01**	**0.03 CFS**		**Domestic**		
				Expanded		

SECTION 4

SYSTEM DESCRIPTION

Are there multiple PODs? **NO**

If *"YES"* you will need to copy and complete a separate Section 4 for each POD.

POD Name or Number this section describes (only needed if there is more than one):

POD

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A. Place of Use

Attach Claim of Beneficial Use map.

Reminder: The map associated with this claim must identify Donation Land Claims (DLC), Government Lots (Gov Lot), Quarter-Quarters (QQ), and if for irrigation, the number of acres irrigated within each projected DLC, Gov Lot, and QQ.

B. Diversion and Delivery System Information

Provide the following information concerning the diversion and delivery system. Information provided must describe the equipment used to transport and apply the water from the point of diversion to the place of use.

1. Is a pump used? **YES**

If "NO" items 2 through item 5 may be deleted.

2. Pump Information:

MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)
Goulds	**JL07N**	**838681**	**Centrifugal (jet)**

3. Theoretical Pump Capacity:

Horsepower	Operating PSI	Lift from Source to Pump *If a well, the water level during pumping	Lift from Pump to Place of Use	Total Pump Output (in cfs)
3/4	50	25 feet	5	0.03

4. Provide pump calculations:

$$\text{Pump } Q = \frac{(HP)(\text{Pump Efficiency})}{(\text{Total Head in Feet})} = \frac{.75(6.61)}{(127+5+25)} = \frac{4.96}{157} = 0.03\text{CFS}$$

5. Measured Pump Capacity (using meter if meter was present and system was operating):

Initial Meter Reading	Ending Meter Reading	Duration of Time Observed	Total Pump Output (in cfs)

Reminder: For pump calculations use the reference information at the end of this document.

6. Sprinkler Information:

Size	Operating PSI	Sprinkler Output (GPM)	Total Number of Sprinklers	Maximum Number Used	Total Sprinkler Output (cfs)

Reminder: For sprinkler output determination use the reference information at the end of this document.

7. Drip Emitter Information:

Size	Operating PSI	Emitter Output (GPM)	Total Number of Emitters	Maximum Number Used	Total Emitter Output (cfs)

8. Drip Tape Information:

Dripper Spacing in inches	GPM per 100 Feet	Total Length of Tape	Maximum length of Tape Used	Total Tape Output (cfs)	Additional Information

C. Storage

1. Does the distribution system include in-system storage (e.g. storage tank, bulge in system / reservoir)? **NO**

If "NO", item 2 and 3 relating to this section may be deleted.

If "YES" is it a: Storage Tank **NO**

Bulge in System / Reservoir **NO**

Complete appropriate table(s), unused table may be deleted.

D. Gravity Flow Pipe

(THE DEPARTMENT TYPICALLY USES THE HAZEN-WILLIAM'S FORMULA FOR A GRAVITY FLOW PIPE SYSTEM)

1. Does the system involve a gravity flow pipe? **NO**

If "NO", items 2 through 4 relating to this section may be deleted.

E. Gravity Flow Canal or Ditch

(THE DEPARTMENT TYPICALLY USES MANNING'S FORMULA FOR CANALS AND DITCHES)

1. Is a gravity flow canal or ditch used to convey the water as part of the distribution system? **NO**

If "NO", items 2 through 4 relating to this section may be deleted.

F. Additional notes or comments related to the system:

SECTION 5

CONDITIONS

All conditions contained in the permit, permit amendment, or any extension final order shall be addressed. Reports that do not address all performance related conditions will be returned.

1. Time Limits:

Permits and any extension final orders contain any or all of the following dates: the date when the actual construction work was to begin, the date when the construction was to be completed, and the date when the complete application of water to the proposed use was to be completed. These dates may be referred to as ABC dates. Describe how the water user has complied with each of the development timelines established in the permit or extension final order:

	DATE FROM PERMIT	DATE ACCOMPLISHED*	DESCRIPTION OF ACTIONS TAKEN BY WATER USER TO COMPLY WITH THE TIME LIMITS
ISSUANCE DATE	**3/3/2009**		
BEGIN CONSTRUCTION (A)			
COMPLETE CONSTRUCTION (B)	**3/3/2014**	**8/2022**	**System completed in 2010 except for meter. Meter installed Aug 2022**
COMPLETE APPLICATION OF WATER (C)	**3/3/2014**	**8/2022**	**Water used per terms and conditions of permit & extension**

* MUST BE WITHIN PERIOD BETWEEN PERMIT OR ANY EXTENSION FINAL ORDER ISSUANCE AND THE DATE TO COMPLETELY APPLY WATER

2. Is there an extension final order(s)? **YES**

If "NO", items a and b relating to this section may be deleted.

a. Did the Extension Final Order require the submittal of Progress Reports? **NO**

If "NO", item b relating to this section may be deleted.

3. Measurement Conditions:

a. Does the permit, permit amendment, or any extension final order require the installation of a meter or approved measuring device? **YES**

If "NO", items b through f relating to this section may be deleted.

Reminder: If a meter or approved measuring device was required, the COBU map must indicate the location of the device in relation to the point of diversion.

b. Has a meter been installed? **YES**

c. Meter Information

POD NAME OR #	MANUFACTURER	SERIAL #	CONDITION (WORKING OR NOT)	CURRENT METER READING	DATE INSTALLED
POD	**Hersey**	**20065307**	**working**	**400510 gal**	**August 2022**

If a meter has been installed, items d through f relating to this section may be deleted.

4. Recording and reporting conditions:

a. Is the water user required to report the water use to the Department? **NO**

5. Fish Screening:

a. Are any points of diversion required to be screened to prevent fish from entering the point of diversion? **YES**

If "NO", items b through e relating to this section may be deleted.

Reminder: If fish screening devices were required, the COBU map must indicate their location in relation to the point of diversion.

b. Has the fish screening been installed? **YES**

c. When was the fish screening installed?

DATE	BY WHOM
2009	**Property owner**

Reminder: If the permit or transfer final order was issued on or after February 1, 2011, the fish screen is required to be approved by the Oregon Department of Fish and Wildlife regardless of the rate of diversion.

d. If the diversion **involves a pump** *and* the **total** diversion rate of all rights at the point of diversion is less than 225 gpm (0.5 cfs):

- Has the self-certification form previously been submitted to the Department? **NO**

If not, go to https://www.oregon.gov/OWRD/Forms/Pages/default.aspx
complete and attach a copy of the 'ODFW Small Pump Screen Self Certification' form to this claim, and send a copy of it to the Oregon Department of Fish and Wildlife (ODFW).

Reminder: Failure to submit evidence of a timely installed fish screen may result in an unfavorable determination. The ODFW self certification form needs to have been previously submitted or be attached to this form.

e. If the diversion does **not involve a pump** *or* the **total** diversion rate of all rights at the point of diversion is 225 gpm (0.5 cfs) or greater:

- Has the ODFW approval been previously submitted? **NA**

If not, contact and work with ODFW to ensure compliance. To demonstrate compliance, provide signed documentation from ODFW. A form is available at
https://www.oregon.gov/OWRD/Forms/Pages/default.aspx

Reminder: Failure to submit evidence of a timely installed fish screen may result in an unfavorable determination. In order to receive a favorable approval, the ODFW/WRD "Fish Screen Inspection" form needs to have been previously submitted or be attached to this form.

6. By-pass Devices:

a. Are any points of diversion required to have a by-pass device to prevent fish from entering the point of diversion? **YES**

If "NO", items b and c relating to this section may be deleted.

Reminder: If by-pass devices were required, the COBU map must indicate their location in relation to the point of diversion.

b. Have by-pass devices been installed? **NO**

DESCRIPTION (E.G. "ODFW HAS APPROVED THE BY-PASS DEVICE" OR "NO BY-PASS DEVICE IS NECESSARY BECAUSE THERE IS A DIRECT DIVERSION FROM THE STREAM VIA A PUMP ON RIVER LEFT STREAM BANK WITH FOOT VALVE DESCENDING DIRECTLY INTO NATURAL POOL.") IN ADDITION, YOU MAY ATTACH PHOTOS TO THIS CLAIM.	IF INSTALLED (DATE)	IF INSTALLED, BY WHOM
No by-pass is necessary as there is a direct diversion from the river via a pump on river right with a foot valve descending directly into a natural pool		

c. Describe the diversion works as related to whether a by-pass device is installed or unnecessary:

(Provide a letter from ODFW indicating the device is approved or is unnecessary.)

7. Other conditions required by permit, permit amendment final order, or extension final order:

a. Was the water user required to restore the riparian area if it was disturbed? **YES**

b. Other conditions? **YES**

If "YES" to any of the above, identify the condition and describe the water user's actions to comply with the condition(s):

Riparian area not disturbed as a pipe with foot valve descends directly into river
No Dam or obstruction – there is no obstruction as foot valve extends directly into river

SECTION 6

ATTACHMENTS

Provide a list of any additional documents you are attaching to this report:

ATTACHMENT NAME	DESCRIPTION
Fish Screen Self-Certification	**Small Pump Fish screen self-certification**

SECTION 7

CLAIM OF BENEFICIAL USE MAP

The Claim of Beneficial Use Map must be submitted with this claim. Claims submitted without the Claim of Beneficial Use map will be returned. The map shall be submitted on poly film at a scale of 1" = 1320 feet, 1" = 400 feet, or the original full-size scale of the county assessor map for the location.

Provide a general description of the survey method used to prepare the map. Examples of possible methods include, but are not limited to, a traverse survey, GPS, or the use of aerial photos. If the basis of the survey is an aerial photo, provide the source, date, series and the aerial photo identification number.

Douglas Count GIS mapping with current ORmap & 5/10/2019 Google aerial for assumed best fit.
Mapping oriented to survey M154-1A

Map Checklist

Please be sure that the map you submit includes ALL the items listed below.
(Reminder: Incomplete maps and/or claims may be returned.)

- ☒ Map on polyester film.
- ☒ Appropriate scale (1" = 400 feet, 1" = 1320 feet, or the original full-size scale of the county assessor map)
- ☒ Township, Range, Section, Donation Land Claims, and Government Lots
- ☒ If irrigation, number of acres irrigated within each projected Donation Land Claims, Government Lots, Quarter-Quarters
- ☒ Locations of fish screens and/or fish by-pass devices in relationship to point of diversion
- ☒ Locations of meters and/or measuring devices in relationship to point of diversion
- ☒ Conveyance structures illustrated (pumps, reservoirs, pipelines, ditches, etc.)
- ☒ Point(s) of diversion or appropriation (illustrated and coordinates)
- ☒ Tax lot boundaries and numbers
- ☒ Source illustrated if surface water
- ☒ Disclaimer ("This map is not intended to provide legal dimensions or locations of property ownership lines")
- ☒ Application and permit number or transfer number
- ☒ North arrow
- ☒ Legend
- ☒ CWRE stamp and signature

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OREGON DEPARTMENT of FISH and WILDLIFE

FISH SCREENING PROGRAM

SMALL PUMP SCREEN SELF CERTIFICATION

FOR PERMITS OR TRANSFERS ISSUED PRIOR TO FEBRUARY 1, 2011

If the permit or transfer final order was issued on or after February 1, 2011, you are required to have your fish screen inspected and approved by Oregon Department of Fish and Wildlife staff.

The Oregon Water Resources Department in coordination and cooperation with the Oregon Department of Fish and Wildlife includes screen requirements on pumps to protect fish as a condition of many surface water and/or reservoir water right permits. This is done in accordance with ORS 537.153.

The Oregon Department of Fish and Wildlife does not usually inspect small pump screens at **pumped diversions less than 225 gpm** (gallons per minute), but furnishes the following general fish screening criteria information to the water right permit holder:

- **Screen material open area** must be at least 27% of the total wetted screen area.
- **Perforated plate:** Circular screen face openings must not exceed 3/32 or 0.0938 inch (2.38 mm) in diameter.
- **Mesh/Woven wire screen:** Square screen face openings must not exceed 3/32 or 0.0938 inch (2.38 mm) on a diagonal.
- **Profile bar screen/Wedge wire:** Slotted screen face openings must not exceed 0.0689 inch (1.75 mm) in the narrow direction.
- **Screen area** must be large enough not to cause fish impact. The wetted screen area required depends on the water approach velocity.
- **Approach velocity** is the water velocity perpendicular to and upstream of the vertical projection of the screen face.
- **An Active pump screen** is a self-cleaning screen that has a proven automatic cleaning system. The **screen approach velocity for active pump screens** must not exceed 0.4 ft/s (feet per second) or 0.12 m/s (meters per second). The minimum wetted screen area needed in square feet is calculated by dividing the maximum water flow rate in cubic feet per second (1 cfs = 449 gpm) by 0.4 ft/s.
- **A Passive pump screen** is a screen that has no automated cleaning system. **Screen approach velocity for passive pump screens** must not exceed 0.2 ft/s or 0.06 m/s. The minimum wetted screen area needed in square feet is calculated by dividing the maximum water flow rate in cubic feet per second by 0.2 ft/s.
- **Pump screen depth:** The screen must be submerged at least one screen radius below the minimum water surface with a minimum of one screen radius between the screen bottom and the water bottom or constructed surface.

For further information on fish screening please contact:

Pete Baki: 503-947-6217
pete.baki@state.or.us

OREGON DEPARTMENT of FISH and WILDLIFE

FISH SCREENING PROGRAM

SMALL PUMP SCREEN SELF CERTIFICATION

FOR PERMITS OR TRANSFERS ISSUED PRIOR TO FEBRUARY 1, 2011

As evidence of having met fish screen installation requirements, please provide the information requested below, sign the certification, and send copies to:

Oregon Water Resources Department,
Water Rights Section,
725 Summer Street NE, Suite A,
Salem, OR 97301-1271

and

Pete Baki
Oregon Dept. Fish and Wildlife
4034 Fairview Industrial Drive SE
Salem, OR 97302

Water right permit/certificate number: S-54530 Amount of water diverted 0.01 CFS

Stream: North Umpqua River Tributary to: Umpqua River

Location (GPS if available): _____

Screen Length: 16 inches Screen Diameter: 4 inches

Is pump screen self-cleaning: No - with 3/32" screen holes.

If screen is not a cylinder shape, please provide a diagram and measurements.

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Certification:

I certify that my permit or transfer final order was issued prior to February 1, 2011.

I certify that my small pumped diversion of less than 225 gpm meets fish screening criteria, and that I will maintain it to comply with regulatory criteria. I also understand that should fish screening standards change, I may be required to modify my installation to meet applicable standards.

Applicant Signature: Lauren Young Date: 12/12/22 WRD File #: S-87251

Printed Name and Address: Lauren Young - 820 Old Garden Valley Rd., Roseburg, OR 97471

Phone: ( ) 541-440-8441 Fax: ( ) _____

Pumpcert (04.18.2014).doc

Jordan Engineering
Structural·Civil·Geotech
460 Jordan Lane
Roseburg, OR 97471
541-673-1931

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Water Resources Department
Mr. Gerry Clark
725 Summer St. NE, Suite A
Salem, OR 97301

Claim Of Beneficial Use:
Application: S-87251
Permit: S-54530

January 16, 2023

Mr. Clark:
Inclosed are the Claim of Beneficial Use (COBU) form, Mylar map, Self Screen Certification and a check #1133 in the sum of $230 made out to the Department.

If there are any questions please officially contact the applicant with a copy to me.

Respectfully,

Clay Jordan, P.E., S.E., Geotech, CWRE

cc: Mr. & Ms. Young
file: Young S-54530 COBU wrd-cl.wpd