

# CLAIM OF BENEFICIAL USE for Surface Water Permits claiming more than 0.1 cfs



Oregon Water Resources Department  
725 Summer Street NE, Suite A  
Salem, Oregon 97301-1266  
(503) 986-0900  
[www.oregon.gov/OWRD](http://www.oregon.gov/OWRD)

A fee of \$345 must accompany this form for permits  
with priority dates of July 9, 1987, or later.

Enter the date the priority date of the permit:

11/23/2016

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A separate form shall be completed for each permit.

*In cases where a permit has been amended through the permit amendment process, a separate claim for the permit amendment is not required. Incorporate the permit amendment into the claim for the permit.*

This form is subject to revision. **Begin each new claim** by checking for a new version of this form at:

<https://www.oregon.gov/OWRD/Forms/Pages/default.aspx>

Go to "Resources for Water Right Examiners (CWRE)" Page

<https://www.oregon.gov/OWRD/programs/WaterRights/COBU/Pages/default.aspx>

The completion of this form is required by OAR 690-014-0100(1) and 690-014-0110(4).

Please type or print in dark ink. If this form is found to contain errors or omissions, it may be returned to you. **Every item must have a response.** If any requested information does not apply to the claim, insert "NA." **Do not delete or alter any section of this form unless directed by the form.** The Department may require the submittal of additional information from any water user or authorized agent.

"Section 8" of this form is intended to aid in the completion of this form and should not be submitted.

If you have questions regarding the completion of this form, please call 503-986-0900.

The Department has a program that allows it to enter into a voluntary agreement with an applicant for expedited services. Under such an agreement, the applicant pays the cost to hire additional staff that would not otherwise be available. This program means a certificate may be issued in about a month. For more information on this program see

<https://www.oregon.gov/OWRD/programs/WaterRights/RA/Pages/default.aspx>

## SECTION 1 GENERAL INFORMATION

### 1. File Information:

|                                 |                            |                                 |
|---------------------------------|----------------------------|---------------------------------|
| APPLICATION #<br><b>S-88315</b> | PERMIT #<br><b>S-55040</b> | PERMIT AMENDMENT #<br><b>NA</b> |
|---------------------------------|----------------------------|---------------------------------|

**2. Property Owner (current owner information):**

|                                                                             |                        |                                  |                                                |
|-----------------------------------------------------------------------------|------------------------|----------------------------------|------------------------------------------------|
| APPLICANT/BUSINESS NAME<br><b>John Reerslev and Reerslev Properties LLC</b> |                        | PHONE NO.<br><b>541-554-4274</b> | ADDITIONAL CONTACT NO.<br><b>541-998-1510</b>  |
| ADDRESS<br><b>220 East 18<sup>th</sup> Ave</b>                              |                        |                                  |                                                |
| CITY<br><b>Junction City</b>                                                | STATE<br><b>OREGON</b> | ZIP<br><b>97448</b>              | E-MAIL<br><b>reerslevfarms@qwestoffice.net</b> |

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

|                                                                             |                        |                     |
|-----------------------------------------------------------------------------|------------------------|---------------------|
| PERMIT HOLDER OF RECORD<br><b>John Reerslev and Reerslev Properties LLC</b> |                        |                     |
| ADDRESS<br><b>220 East 18<sup>th</sup> Ave</b>                              |                        |                     |
| CITY<br><b>Junction City</b>                                                | STATE<br><b>OREGON</b> | ZIP<br><b>97448</b> |

|                                                 |                    |                  |
|-------------------------------------------------|--------------------|------------------|
| ADDITIONAL PERMIT HOLDER OF RECORD<br><b>NA</b> |                    |                  |
| ADDRESS<br><b>NA</b>                            |                    |                  |
| CITY<br><b>NA</b>                               | STATE<br><b>NA</b> | ZIP<br><b>NA</b> |

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**4. Date of Site Inspection:**

|                  |
|------------------|
| <b>8/29/2017</b> |
|------------------|

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

| NAME                 | DATE             | ASSOCIATION WITH THE PROJECT |
|----------------------|------------------|------------------------------|
| <b>John Reerslev</b> | <b>8/29/2017</b> | <b>Permit Holder</b>         |
|                      |                  |                              |

**6. County:**

|             |
|-------------|
| <b>Lane</b> |
|-------------|

**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)):**

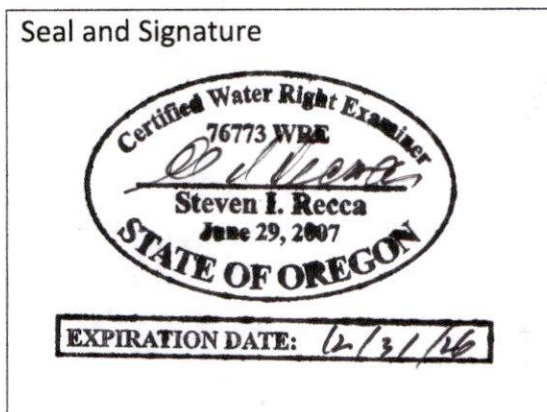
|                              |                    |                  |
|------------------------------|--------------------|------------------|
| OWNER OF RECORD<br><b>NA</b> |                    |                  |
| ADDRESS<br><b>NA</b>         |                    |                  |
| CITY<br><b>NA</b>            | STATE<br><b>NA</b> | ZIP<br><b>NA</b> |

Add additional tables for owners of record as needed

## 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<br><b>Steven I. Recca</b>               | PHONE NO.<br><b>541-913-1304</b> | ADDITIONAL CONTACT NO.<br><b>NA</b> |
| ADDRESS<br><b>25121 Fleck Rd.</b>                 |                                  |                                     |
| CITY<br><b>Veneta</b>                             | STATE<br><b>OR</b>               | ZIP<br><b>97487</b>                 |
| E-MAIL<br><b>SteveReccaConsulting@outlook.com</b> |                                  |                                     |

### 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              |
|-----------|----------------------|-------------------------------------------|-------------------|
|           | <b>John Reerslev</b> | <b>Permit Holder /<br/>Property Owner</b> | <b>02-27-2026</b> |

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## SECTION 3

### CLAIM DESCRIPTION

**1. Point of diversion name or number:**

|                                                                   |
|-------------------------------------------------------------------|
| POINT OF DIVERSION<br>(POD) NAME OR NUMBER<br>(CORRESPOND TO MAP) |
| <b>POD #3</b>                                                     |

**2. Point of diversion source and tributary:**

| POD<br>NAME OR NUMBER | SOURCE                                                                                    | TRIBUTARY                                |
|-----------------------|-------------------------------------------------------------------------------------------|------------------------------------------|
| <b>POD #3</b>         | <b>Fern Ridge Reservoir, Constructed Under Permit R-1625, Tributary to Long Tom River</b> | <b>Junction City Water Control Ditch</b> |

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

| POD<br>NAME OR NUMBER               | USES              | IF IRRIGATION,<br>LIST CROP TYPE | SEASON OR MONTHS<br>WHEN WATER<br>WAS USED | ACTUAL RATE OR VOLUME<br>USED<br>(CFS, GPM, OR AF)              |
|-------------------------------------|-------------------|----------------------------------|--------------------------------------------|-----------------------------------------------------------------|
| <b>POD #3</b>                       | <b>Irrigation</b> | <b>Row Crops</b>                 | <b>March 1 through<br/>October 31</b>      | <b>0.0435 acre feet during<br/>inspection by meter reading.</b> |
|                                     |                   |                                  |                                            |                                                                 |
| <b>Total Quantity of Water Used</b> |                   |                                  |                                            | <b>0.0435 acre feet (14,174<br/>gallons)</b>                    |

**4. 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:

**The point of diversion is located as follows:**  
**LONG TOM RIVER AND FERN RIDGE RESERVOIR CONSTRUCTED UNDER PERMIT R-1625, a tributary of WILLAMETTE RIVER - NW 1/4 SW 1/4, SECTION 23, T 15 S, R 5 W, W.M.; 2220 FEET NORTH AND 930 FEET EAST FROM SW CORNER SECTION 23; FERN RIDGE RESERVOIR - NE 1/4 SW 1/4, SECTION 4, T 17 S, R 5 W, W.M.**

**From there, water flows through the Junction City Water Control District Ditch to the point of re-diversion at an existing pump, associated fish screen, and distribution piping associated with Certificate 60481 which delivers water to a buried 8-inch aluminum line feeding stanchion associated with Certificate 60481 and thence, at the time of inspection, to 6-inch aluminum hand line feeding a 53 hp Isuzu diesel engine running at 2100 RPM coupled with a Cornell 3R-2-LR pump feeding two Irrigamatic sprinkler controllers delivering water to two big gun sprinklers with Nelson 100 series 24-degree sprinklers with 1-inch nozzles operating at approximately 100 psi.**

**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).**

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**5. Variations:**

Was the use developed differently from what was authorized by the permit, or permit amendment final order? If yes, describe below.

**YES 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.")

NA

**6. Claim Summary:**

| POD<br>NAME OR # | MAXIMUM RATE<br>AUTHORIZED                               | CALCULATED<br>THEORETICAL RATE<br>BASED ON SYSTEM | AMOUNT OF<br>WATER<br>MEASURED             | USE        | # OF ACRES<br>ALLOWED | # OF ACRES<br>DEVELOPED |
|------------------|----------------------------------------------------------|---------------------------------------------------|--------------------------------------------|------------|-----------------------|-------------------------|
| POD #3           | 0.99 (1/80 <sup>th</sup><br>cfs per acre<br>79.51 acres) | 567 gpm<br>(1.26 cfs)                             | 14,174<br>gallons<br>(0.0435 acre<br>feet) | Irrigation | 79.51                 | 79.51                   |
|                  |                                                          |                                                   |                                            |            |                       |                         |

## 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 #3

#### A. Place of Use

1. Is the right for municipal use?

NO

If "YES" the table below may be deleted.

| TWP                   | RNG | MER | SEC | QQ    | GLOT | DLC | USE        | IF IRRIGATION,<br># PRIMARY<br>ACRES | IF IRRIGATION, #<br>SUPPLEMENTAL<br>ACRES |
|-----------------------|-----|-----|-----|-------|------|-----|------------|--------------------------------------|-------------------------------------------|
| 15S                   | 5W  | WM  | 13  | NE SW |      |     | Irrigation | 39.62                                | NA                                        |
| 15S                   | 5W  | WM  | 13  | NW SW |      |     | Irrigation | 1.07                                 | NA                                        |
| 15S                   | 5W  | WM  | 13  | SE SW |      |     | Irrigation | 38.82                                | NA                                        |
| Total Acres Irrigated |     |     |     |       |      |     |            | 79.51                                | NA                                        |

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

Please note that the permit gives the point of diversion as located in T15S R5W, but erroneously shows Range 5E instead of 5W in the place of use.

#### 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 6 may be deleted.

2. Pump Information:

| MANUFACTURER | MODEL   | SERIAL NUMBER    | TYPE (CENTRIFUGAL, TURBINE OR<br>SUBMERSIBLE) | INTAKE SIZE | DISCHARGE<br>SIZE |
|--------------|---------|------------------|-----------------------------------------------|-------------|-------------------|
| Cornell      | 3R-2-LR | Not<br>Available | Centrifugal                                   | 5-inch      | 3-inch            |

3. Motor Information:

| MANUFACTURER | HORSEPOWER      |
|--------------|-----------------|
| Isuzu        | 48.14 (39.5 KW) |
|              |                 |

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**4. Theoretical Pump Capacity:**

| HORSEPOWER | OPERATING PSI | LIFT FROM SOURCE TO PUMP | LIFT FROM PUMP TO PLACE OF USE | TOTAL PUMP OUTPUT (IN CFS) |
|------------|---------------|--------------------------|--------------------------------|----------------------------|
| 48         | 100           | 0 feet                   | 5 feet                         | 1.23 cfs                   |

**5. Provide pump calculations:****Pump Capacity Calculation Sheet**

using Department designed formula:

$(hp)(\text{efficiency}) / (\text{lift} + \text{psi head}) = \text{capacity in cfs}$

Efficiency:

Centrifugal = 6.61

Turbine = 7.04

**Data Entry (fill in underlined blanks)**

HP = 48.14  
 Efficiency = 6.61  
 Lift = 5  
 PSI = 100

**Results Calculated**

$(hp)(\text{efficiency}) =$  318.2054  
 Head based on psi  
 = 254.0  
 Total dynamic head  
 = 259.0  
 (head + lift)

**Pump Capacity =** 1.23 **cubic feet per second**

**6. 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) |
|-----------------------|----------------------|---------------------------|----------------------------|
| 9.2395 acre feet      | 9.2830 acre feet     | 25 minutes                | 1.26 (0.0435 acre feet)    |

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

**7. Is the distribution system piped?**

YES

If "NO" items 8 through item 13 may be deleted.

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**8. Mainline Information:**

| MAINLINE SIZE                             | LENGTH     | TYPE OF PIPE          | BURIED OR ABOVE GROUND |
|-------------------------------------------|------------|-----------------------|------------------------|
| Unknown, reported as 8-inch (preexisting) | ~3500 feet | Unknown (preexisting) | Buried                 |

**9. Lateral or Handline Information:**

| LATERAL OR HANDLINE SIZE | LENGTH | TYPE OF PIPE | BURIED OR ABOVE GROUND |
|--------------------------|--------|--------------|------------------------|
| 6-inch                   | 440    | aluminum     | above                  |

**10. Sprinkler Information:**

| SIZE   | OPERATING PSI | SPRINKLER OUTPUT (GPM) | TOTAL NUMBER OF SPRINKLERS | MAXIMUM NUMBER USED | TOTAL SPRINKLER OUTPUT (CFS) |
|--------|---------------|------------------------|----------------------------|---------------------|------------------------------|
| 1-inch | 100           | 289                    | 2                          | 2                   | 1.26                         |

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

**11. Drip Emitter Information:**

| SIZE | OPERATING PSI | EMITTER OUTPUT (GPM) | TOTAL NUMBER OF EMITTERS | MAXIMUM NUMBER USED | TOTAL EMITTER OUTPUT (CFS) |
|------|---------------|----------------------|--------------------------|---------------------|----------------------------|
| NA   | NA            | NA                   | NA                       | NA                  | NA                         |

**12. 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 |
|---------------------------|------------------|----------------------|-----------------------------|-------------------------|------------------------|
| NA                        | NA               | NA                   | NA                          | NA                      | NA                     |

**13. Pivot Information:**

| MANUFACTURER | MAXIMUM WETTED RADIUS | OPERATING PSI | TOTAL PIVOT OUTPUT (GPM) | TOTAL PIVOT OUTPUT (CFS) |
|--------------|-----------------------|---------------|--------------------------|--------------------------|
| NA           | NA                    | NA            | NA                       | NA                       |

**C. Storage**

1. Does the distribution system include in-system storage (e.g. storage tank, bulge in system / reservoir)?

NO

**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.

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## 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:

Sprinkler output based on published for two Nelson 100 series 24-degree sprinklers with 1-inch nozzles operating at approximately 100 psi (attached).

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## 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 permit extension of time:

|                                   | DATE FROM PERMIT | DATE ACCOMPLISHED* | DESCRIPTION OF ACTIONS TAKEN BY WATER USER TO COMPLY WITH THE TIME LIMITS |
|-----------------------------------|------------------|--------------------|---------------------------------------------------------------------------|
| ISSUANCE DATE                     | 3/9/2017         |                    |                                                                           |
| BEGIN CONSTRUCTION (A)            | 3/9/2017         |                    |                                                                           |
| COMPLETE CONSTRUCTION (B)         | 3/9/2022         | 8/29/2017          | Portable equipment in place and in use (see attached photographs).        |
| COMPLETE APPLICATION OF WATER (C) | 3/9/2022         | 8/29/2017          | Portable equipment in place and in use (see attached photographs).        |

\* 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)?

NO

#### 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     |
|---------------|--------------|-------------|----------------------------|-------------------------------|--------------------|
| 1             | McCrometer   | 17-06896-06 | Working                    | 9.2830 acre feet on 8/29/2017 | Prior to 8/29/2017 |
|               |              |             |                            |                               |                    |

*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?

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

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MAR 02 2026

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b. Have the reports been submitted?

YES

If the reports have not been submitted, attach a copy of the reports if available.

### 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                                                                                                                                                                                                                                                                             |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Prior to 2010 | Tye Fountain, Owner of Pacific Ag Systems Inc. and developer of the fish screen in question reports that he developed the fish screen in 1996 and that the fish screen associated with Certificate 60481 was installed prior to 2010 (Personal communication with Steven I. Recca). |

**Reminder: If the permit 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) and the permit was issued prior to February 1, 2011:

- Has the self-certification form previously been submitted to the Department? NA

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?

NO (attached)

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.**

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MAR 02 2026

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## 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?

NO

*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.**

## 7. Other conditions required by some permits, permit amendment final orders, or extension final orders:

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

b. Was a fishway required? NO

c. Was submittal of a water management and conservation plan required? NO

d. Other conditions? NO

If "YES" to any of the above, identify the condition and describe the water user's actions to comply with the condition(s) in the box below. If the condition required the approval of a plan, submit documentation that the plan was approved.

**This claim uses a pre-existing point of diversion, pump, and fish screen, consequently no disturbance of riparian areas occurred.**

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**SECTION 6**  
**ATTACHMENTS**

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

| ATTACHMENT NAME              | DESCRIPTION                                              |
|------------------------------|----------------------------------------------------------|
| Claim Map                    | Claim map on film and paper.                             |
| Site Photos                  | Photographs of site and operating irrigation equipment.  |
| Sprinkler Nozzle Performance | Manufacturer's Sprinkler Nozzle Performance Information. |
| Fish Screen Certification    | Fish screen certification                                |
| Certificate 60481            | Water Right Certificate 60481                            |
| Claim Map for C 60481        | Claim Map for C 60481                                    |
|                              |                                                          |
|                              |                                                          |

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## 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.

**The map was prepared using existing Lane County tax lot maps.**

### 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 or appropriation
- ☒ Conveyance structures illustrated (pumps, reservoirs, pipelines, ditches, etc.)
- ☒ Point(s) of diversion or appropriation (illustrated and coordinates)
- ☒ Tax lot boundaries and numbers
- ☒ Quarter-Quarters illustrated and named (NE NE, NW NE, etc.)
- ☒ 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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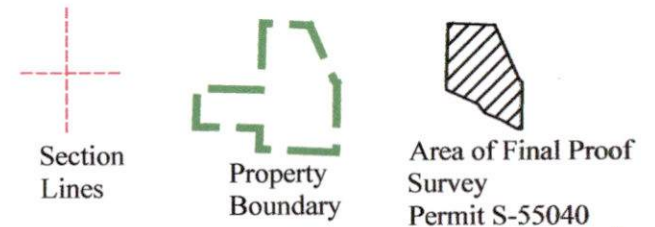
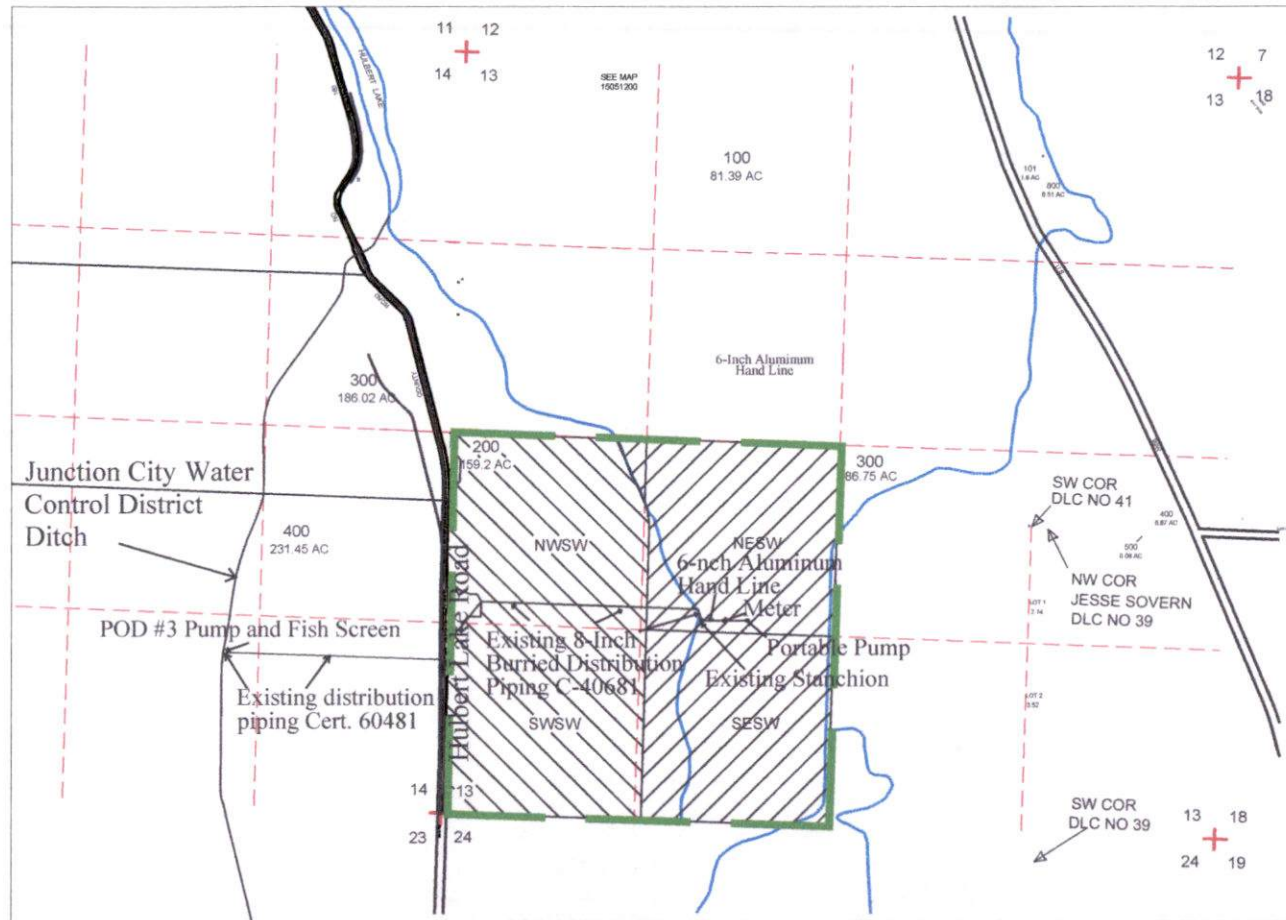
THIS MAP IS NOT INTENDED TO PROVIDE LEGAL DIMENSIONS OR LOCATIONS OF PROPERTY OWNERSHIP LINES.

Application# S-88315, Permit# S-55040

Township 15S, Range 5W, Section 13 of the Willamette Meridian

Lane County Tax Lot  
15-05-13-00-00200

| Twntshp | Rng | Sec | Qtr-Qtr | Qtr | Acres |
|---------|-----|-----|---------|-----|-------|
| 15S     | 5W  | 13  | NW      | SW  | 1.07  |
| 15S     | 5W  | 13  | NE      | SW  | 39.62 |
| 15S     | 5W  | 13  | SE      | SW  | 38.82 |
|         |     |     |         |     |       |
|         |     |     |         |     | 79.51 |



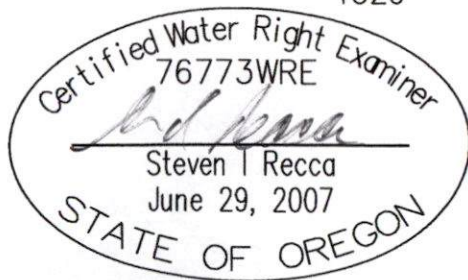
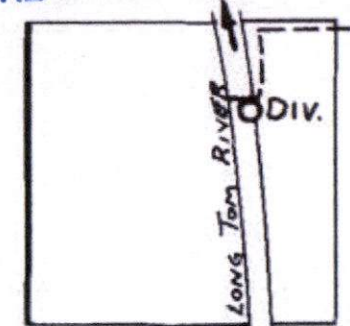
Area of  
Certificate  
60481

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Section 23  
NW 1/4 SW 1/4



EXPIRATION DATE:12/31/26

POD #3 - Point of re-diversion.  
Pump is 1500 feet west and  
1120 feet north of the  
SW corner of Section 13.

River diversion is approximately 2220 ft. N and  
930 ft. E from SW corner of Section 23





Photo 1: Meter showing serial number.

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Photo 2: Meter showing starting volume in acre feet and flow rate is gpm.

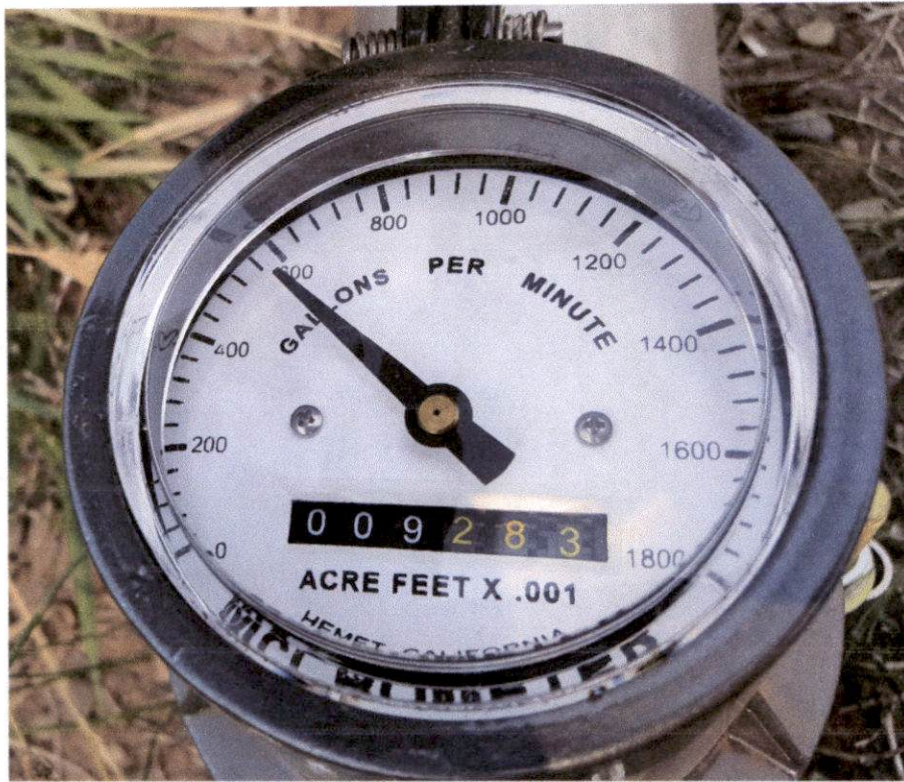


Photo 3: Meter showing final value at end of site inspection 8/29/2017.

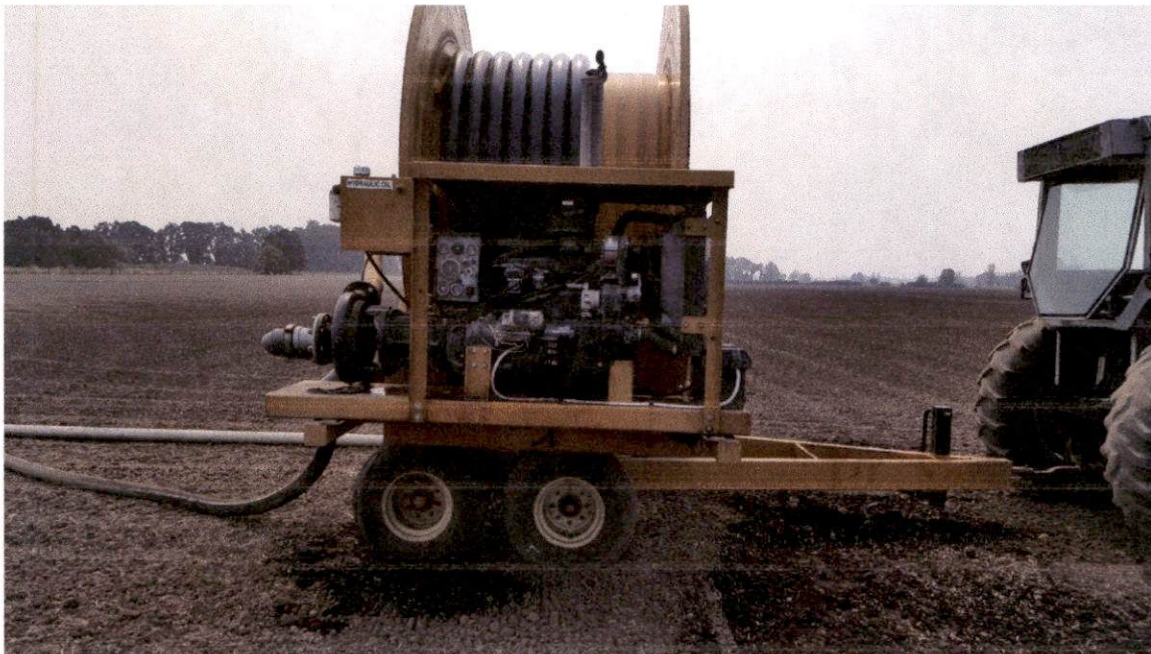


Photo 4: Pump in use at time of site inspection.

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Photo 5: Pump detail.



Photo 6: Pump detail.

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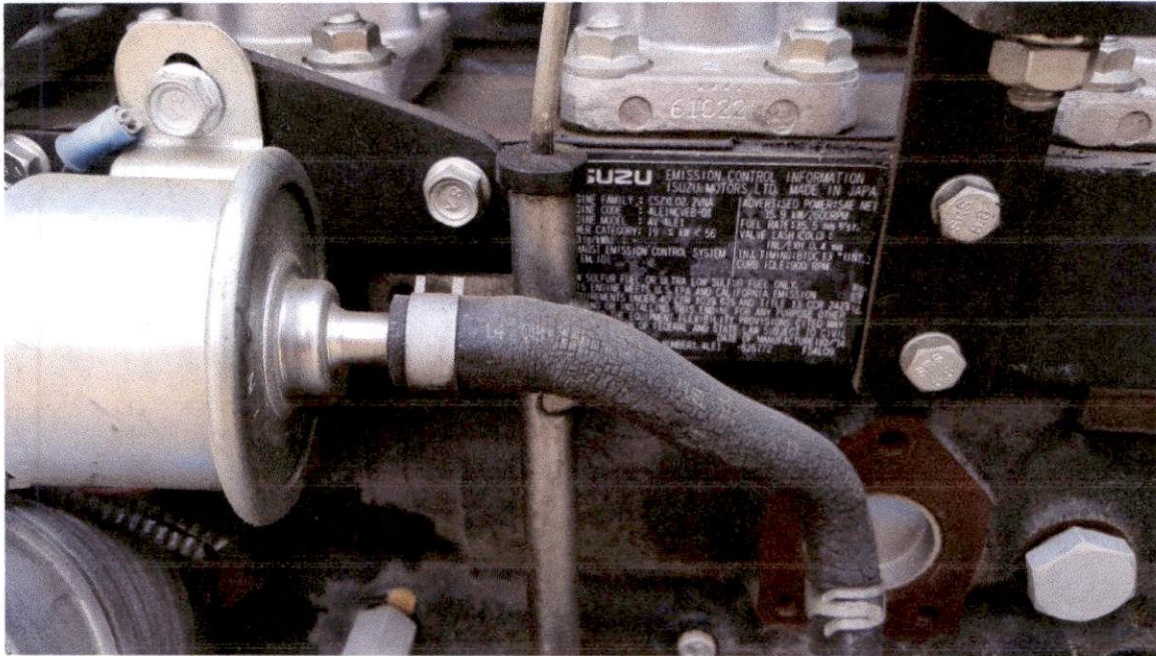


Photo 9: Pump engine detail.



Photo 10: Engine/Pump instrument panel.

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Photo 11: Irrigamatic control panel for big gun sprinkler.

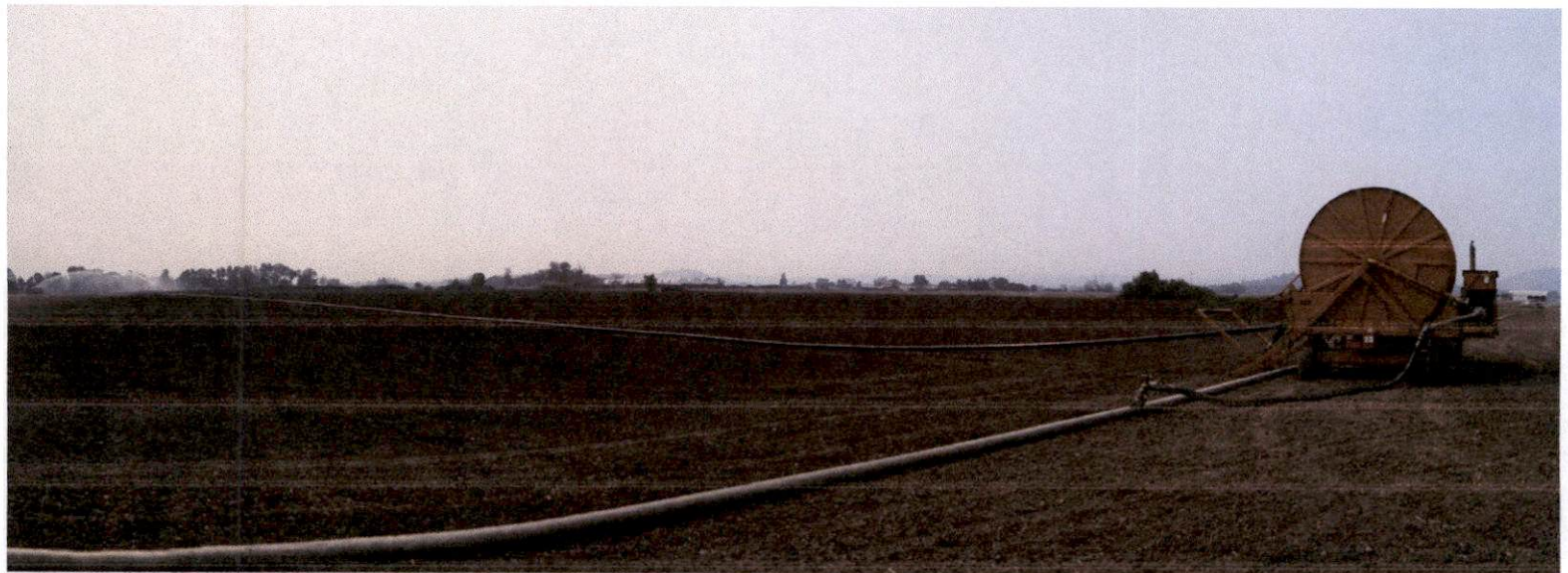


Photo 12: Photo showing irrigation occurring at time of site inspection.

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Performance: US Units

NOZZLES

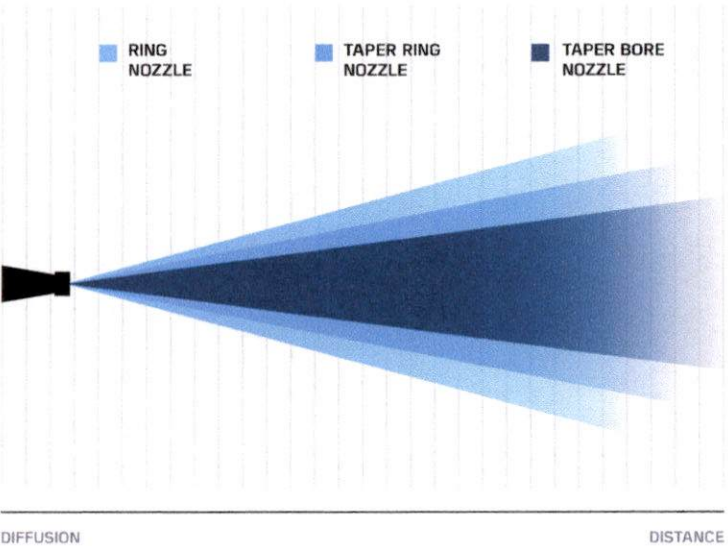
TAPER BORE

TAPER RING

RING



STREAM DIFFUSION



75 SERIES

TAPER RING NOZZLE: 24° Trajectory

| Pressure<br>PSI | 0.4 in<br>10.2 mm |           | 0.45 in<br>11.4 mm |           | 0.5 in<br>12.7 mm |           | 0.55 in<br>14.0 mm |           | 0.6 in<br>15.2 mm |           | 0.65 in<br>16.5 mm |           | 0.7 in<br>17.8 mm |           | 0.75 in<br>19.1 mm |           | 0.8 in<br>20.3 mm |           |
|-----------------|-------------------|-----------|--------------------|-----------|-------------------|-----------|--------------------|-----------|-------------------|-----------|--------------------|-----------|-------------------|-----------|--------------------|-----------|-------------------|-----------|
|                 | gpm               | Rad. (ft) | gpm                | Rad. (ft) | gpm               | Rad. (ft) | gpm                | Rad. (ft) | gpm               | Rad. (ft) | gpm                | Rad. (ft) | gpm               | Rad. (ft) | gpm                | Rad. (ft) | gpm               | Rad. (ft) |
| 25              | -                 | -         | -                  | -         | -                 | -         | 42                 | 73        | 50                | 78        | 59                 | 81        | 69                | 84        | 80                 | 87        | 91                | 91        |
| 30              | -                 | -         | -                  | -         | 37                | 79        | 45                 | 79        | 55                | 83        | 64                 | 86        | 75                | 91        | 87                 | 94        | 99                | 96        |
| 35              | -                 | -         | 32                 | 77        | 40                | 82        | 49                 | 86        | 59                | 89        | 69                 | 96        | 81                | 98        | 93                 | 101       | 106               | 104       |
| 40              | 27                | 75        | 35                 | 80        | 43                | 86        | 52                 | 90        | 63                | 95        | 74                 | 99        | 87                | 102       | 98                 | 107       | 112               | 111       |
| 45              | 29                | 78        | 37                 | 84        | 46                | 90        | 56                 | 95        | 67                | 99        | 79                 | 103       | 91                | 107       | 104                | 112       | 118               | 115       |
| 50              | 30                | 81        | 39                 | 87        | 48                | 93        | 59                 | 98        | 70                | 102       | 83                 | 106       | 95                | 110       | 109                | 115       | 123               | 119       |
| 55              | 32                | 83        | 41                 | 90        | 50                | 97        | 62                 | 102       | 74                | 107       | 87                 | 111       | 100               | 115       | 115                | 120       | 130               | 124       |
| 60              | 33                | 85        | 42                 | 92        | 53                | 99        | 64                 | 104       | 77                | 110       | 91                 | 114       | 104               | 119       | 120                | 123       | 136               | 127       |
| 65              | 35                | 86        | 44                 | 95        | 55                | 103       | 67                 | 108       | 80                | 114       | 95                 | 119       | 109               | 124       | 125                | 127       | 142               | 132       |
| 70              | 36                | 88        | 45                 | 97        | 57                | 105       | 69                 | 111       | 83                | 116       | 98                 | 122       | 113               | 127       | 129                | 130       | 147               | 135       |
| 75              | 37                | 90        | 47                 | 101       | 59                | 109       | 72                 | 114       | 86                | 120       | 101                | 125       | 117               | 131       | 134                | 134       | 153               | 139       |
| 80              | 39                | 91        | 49                 | 104       | 61                | 111       | 74                 | 117       | 89                | 122       | 105                | 128       | 121               | 133       | 138                | 137       | 158               | 142       |

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## 100 SERIES

### TAPER BORE NOZZLE: 24° Trajectory

| Pressure<br>PSI | 0.5 in<br>12.7 mm |           | 0.55 in<br>14.0 mm |           | 0.6 in<br>15.2 mm |           | 0.65 in<br>16.5 mm |           | 0.7 in<br>17.8 mm |           | 0.75 in<br>19.1 mm |           | 0.8 in<br>20.3 mm |           | 0.85 in<br>21.6 mm |           | 0.9 in<br>22.9 mm |           | 1 in<br>25.4 mm |           |
|-----------------|-------------------|-----------|--------------------|-----------|-------------------|-----------|--------------------|-----------|-------------------|-----------|--------------------|-----------|-------------------|-----------|--------------------|-----------|-------------------|-----------|-----------------|-----------|
|                 | gpm               | Rad. (ft) | gpm                | Rad. (ft) | gpm               | Rad. (ft) | gpm                | Rad. (ft) | gpm               | Rad. (ft) | gpm                | Rad. (ft) | gpm               | Rad. (ft) | gpm                | Rad. (ft) | gpm               | Rad. (ft) | gpm             | Rad. (ft) |
| 40              | 47                | 96        | 57                 | 101       | 66                | 107       | 78                 | 111       | 91                | 115       | 103                | 120       | 118               | 125       | 134                | 128       | 152               | 131       | -               | -         |
| 50              | 50                | 103       | 64                 | 108       | 74                | 113       | 87                 | 118       | 100               | 123       | 115                | 128       | 130               | 133       | 150                | 137       | 165               | 140       | 204             | 150       |
| 60              | 55                | 108       | 69                 | 114       | 81                | 120       | 96                 | 125       | 110               | 130       | 126                | 135       | 143               | 140       | 164                | 144       | 182               | 148       | 224             | 158       |
| 70              | 60                | 113       | 75                 | 119       | 88                | 125       | 103                | 132       | 120               | 138       | 136                | 142       | 155               | 148       | 177                | 151       | 197               | 155       | 243             | 169       |
| 80              | 64                | 118       | 79                 | 124       | 94                | 130       | 110                | 137       | 128               | 143       | 146                | 148       | 165               | 153       | 189                | 157       | 210               | 163       | 258             | 177       |
| 90              | 68                | 123       | 83                 | 129       | 100               | 135       | 117                | 142       | 135               | 148       | 155                | 153       | 175               | 158       | 201                | 163       | 223               | 168       | 274             | 181       |
| 100             | 72                | 128       | 87                 | 134       | 106               | 140       | 123                | 147       | 143               | 153       | 163                | 158       | 185               | 163       | 212                | 168       | 235               | 173       | 289             | 186       |
| 110             | 76                | 133       | 92                 | 139       | 111               | 145       | 129                | 152       | 150               | 158       | 171                | 162       | 195               | 168       | 222                | 172       | 247               | 178       | 304             | 190       |

### TAPER RING NOZZLE: 24° Trajectory

| Pressure<br>PSI | 0.50 in<br>12.7 mm |           | 0.55 in<br>14.0 mm |           | 0.63 in<br>16.0 mm |           | 0.67 in<br>17.0 mm |           | 0.71 in<br>18.0 mm |           | 0.75 in<br>19.0 mm |           | 0.79 in<br>20.0 mm |           | 0.83 in<br>21.0 mm |           | 0.87 in<br>22.0 mm |           | 0.91 in<br>23.0 mm |           | 0.94 in<br>24.0 mm |           |
|-----------------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|
|                 | gpm                | Rad. (ft) | gpm                | Rad. (ft) | gpm                | Rad. (ft) | gpm                | Rad. (ft) | gpm                | Rad. (ft) | gpm                | Rad. (ft) | gpm                | Rad. (ft) | gpm                | Rad. (ft) | gpm                | Rad. (ft) | gpm                | Rad. (ft) | gpm                | Rad. (ft) |
| 40              | 43                 | 94        | 53                 | 98        | 67                 | 106       | 76                 | 110       | 86                 | 113       | 98                 | 117       | 110                | 121       | 125                | 125       | 136                | 127       | 151                | 130       | 166                | 138       |
| 50              | 48                 | 99        | 59                 | 105       | 75                 | 112       | 85                 | 116       | 97                 | 120       | 110                | 125       | 123                | 129       | 139                | 133       | 152                | 136       | 169                | 140       | 185                | 144       |
| 60              | 53                 | 107       | 65                 | 112       | 83                 | 120       | 94                 | 123       | 106                | 127       | 120                | 132       | 135                | 137       | 153                | 141       | 167                | 143       | 186                | 147       | 203                | 152       |
| 70              | 57                 | 111       | 70                 | 117       | 89                 | 125       | 101                | 130       | 114                | 134       | 130                | 139       | 146                | 143       | 165                | 148       | 180                | 150       | 200                | 155       | 219                | 160       |
| 80              | 61                 | 114       | 75                 | 121       | 95                 | 130       | 108                | 135       | 122                | 139       | 139                | 144       | 156                | 149       | 176                | 153       | 193                | 157       | 214                | 162       | 235                | 168       |
| 90              | 65                 | 119       | 80                 | 125       | 101                | 134       | 115                | 139       | 130                | 145       | 147                | 150       | 166                | 154       | 187                | 159       | 204                | 162       | 227                | 167       | 249                | 173       |
| 100             | 69                 | 124       | 84                 | 130       | 107                | 139       | 121                | 144       | 137                | 149       | 155                | 154       | 175                | 159       | 197                | 164       | 216                | 167       | 240                | 172       | 262                | 178       |
| 110             | 72                 | 129       | 88                 | 135       | 112                | 144       | 127                | 149       | 143                | 154       | 163                | 159       | 183                | 163       | 207                | 168       | 226                | 171       | 251                | 177       | 275                | 182       |

### RING NOZZLE: 24° Trajectory

| Pressure<br>PSI | 0.604 in<br>15.3 mm |           | 0.71 in<br>18.0 mm |           | 0.77 in<br>19.6 mm |           | 0.81 in<br>20.6 mm |           | 0.86 in<br>21.8 mm |           | 0.89 in<br>22.6 mm |           | 0.93 in<br>23.6 mm |           | 0.96 in<br>24.4 mm |           |
|-----------------|---------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|
|                 | gpm                 | Rad. (ft) | gpm                | Rad. (ft) | gpm                | Rad. (ft) | gpm                | Rad. (ft) | gpm                | Rad. (ft) | gpm                | Rad. (ft) | gpm                | Rad. (ft) | gpm                | Rad. (ft) |
| 40              | 47                  | 93        | 66                 | 104       | 78                 | 106       | 91                 | 108       | 103                | 112       | 118                | 118       | 134                | 119       | 152                | 121       |
| 50              | 52                  | 100       | 74                 | 110       | 88                 | 113       | 100                | 115       | 115                | 120       | 129                | 125       | 150                | 128       | 167                | 130       |
| 60              | 57                  | 105       | 81                 | 118       | 96                 | 120       | 110                | 123       | 125                | 130       | 141                | 135       | 164                | 138       | 183                | 140       |
| 70              | 61                  | 110       | 88                 | 123       | 104                | 125       | 118                | 130       | 135                | 138       | 152                | 145       | 177                | 148       | 198                | 150       |
| 80              | 65                  | 115       | 94                 | 128       | 111                | 133       | 127                | 138       | 145                | 143       | 163                | 150       | 189                | 153       | 211                | 158       |
| 90              | 69                  | 120       | 99                 | 133       | 117                | 138       | 134                | 143       | 154                | 148       | 173                | 155       | 201                | 158       | 224                | 163       |
| 100             | 72                  | 123       | 105                | 135       | 124                | 140       | 142                | 148       | 162                | 153       | 182                | 160       | 212                | 163       | 236                | 168       |
| 110             | 75                  | 125       | 110                | 138       | 130                | 145       | 149                | 153       | 170                | 158       | 191                | 163       | 222                | 168       | 248                | 173       |

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# Oregon

Tina Kotek, Governor

## Department of Fish and Wildlife

The Dalles Screen Shop

3561 Klindt Drive

The Dalles, OR 97058

(541) 296-8026

FAX (541) 296-7889

odfw.com

Feb 13<sup>th</sup>, 2026

Attn. John Reerslev  
Reerslev Properties LLC  
220 E 18<sup>th</sup> Ave  
Junction City, OR 97448

RE: Permits S-55040

To whom it may concern,

The Oregon Department of Fish and Wildlife (ODFW) has reviewed the fish screen associated with your point of diversion. The source of water for the diversion is from Fern Ridge Reservoir, a tributary to the Long Tom River, constructed under Permit R-1625. The point of diversion is located at coordinates N 44.26168, W -123.25566. This site was inspected virtually using photographs submitted by the water user.

The fish screen that is in use at this point of diversion is a Pump-Rite T-1000 passive screen. This screen, when installed and maintained properly, is capable of screening up to 2.2 cfs or 1000 gpm, while protecting all age classes of native fish present from entrapment and impingement. ODFW concludes that this screen will meet current state and federal fish screening criteria up to a maximum withdraw rate of 2.2 cfs. This is an end of pipe pump screen and does not cause an artificial barrier therefore passage requirements are met.

This approval is contingent on the following: the screen is installed prior to any withdraw of water, the screen is installed so that the effective screen area is submerged during operation, and the screen is regularly inspected and maintained to ensure it remains in working order, including removing debris as necessary, and the screen is annually inspected when it is not in use.

If there are any questions regarding the approval of the screen on Permits S-55040, please call me at 541-967-2162

Sincerely,

Toby Schuyler

2/13/2026

Fish Screens and Passage Coordinator

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STATE OF OREGON  
COUNTY OF LANE  
CERTIFICATE OF WATER RIGHT

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THIS CERTIFICATE ISSUED TO

KELLY R. AND JANET J. LOVELACE  
95913 HULBERT LAKE ROAD  
JUNCTION CITY, OREGON 97448

confirms the right to use the waters of LONG TOM RIVER AND FERN RIDGE RESERVOIR CONSTRUCTED UNDER PERMIT R-1625, a tributary of WILLAMETTE RIVER, for the purpose of IRRIGATING 80.0 ACRES.

The right has been perfected under Permit 42771. The date of priority is DECEMBER 20, 1977. The right is limited to not more than 1.0 CUBIC FOOT PER SECOND or its equivalent in case of rotation, measured at the point of diversion from the source.

The points of diversion are located as follows:

RIVER - NW 1/4 SW 1/4, SECTION 23, T 15 S, R 5 W, W.M.;  
2220 FEET NORTH AND 930 FEET EAST FROM SW CORNER SECTION 23; FERN  
RIDGE RESERVOIR - NE 1/4 SW 1/4, SECTION 4, T 17 S, R 5 W, W.M.

The amount of water used for irrigation, together with the amount secured under any other right existing for the same lands, shall be limited to ONE-EIGHTIETH of one cubic foot per second per acre, or its equivalent for each acre irrigated from direct flow and shall be further limited to a diversion of not to exceed 2.5 acre-feet per acre for each acre irrigated during the irrigation season of each year FROM DIRECT FLOW AND STORAGE FROM RESERVOIR CONSTRUCTED UNDER PERMIT R-1625, AND IS SUBJECT TO THE TERMS AND CONDITIONS OF CONTRACT NO. 14-06-100-7486, OR A SATISFACTORY REPLACEMENT, BETWEEN THE BUREAU OF RECLAMATION AND THE APPLICANT, A COPY OF WHICH IS ON FILE IN THE RECORDS OF THE WATER RESOURCES DEPARTMENT.

The right shall conform to such reasonable rotation system as may be ordered by the proper state officer.

A description of the place of use under the right, and to which such right is appurtenant, is as follows:

NE 1/4 SW 1/4 1.5 ACRES  
NW 1/4 SW 1/4 37.1 ACRES  
SW 1/4 SW 1/4 39.0 ACRES  
SE 1/4 SW 1/4 2.4 ACRES

SECTION 13  
TOWNSHIP 15 SOUTH, RANGE 5 WEST, W.M.

The right to the use of the water for the above purpose is restricted to beneficial use on the lands or place of use described. The right is subject to minimum flows established by the Water Resources Commission with an effective date prior to this right.

WITNESS the signature of the Water Resources Director,  
affixed this date MARCH 23, 1989.

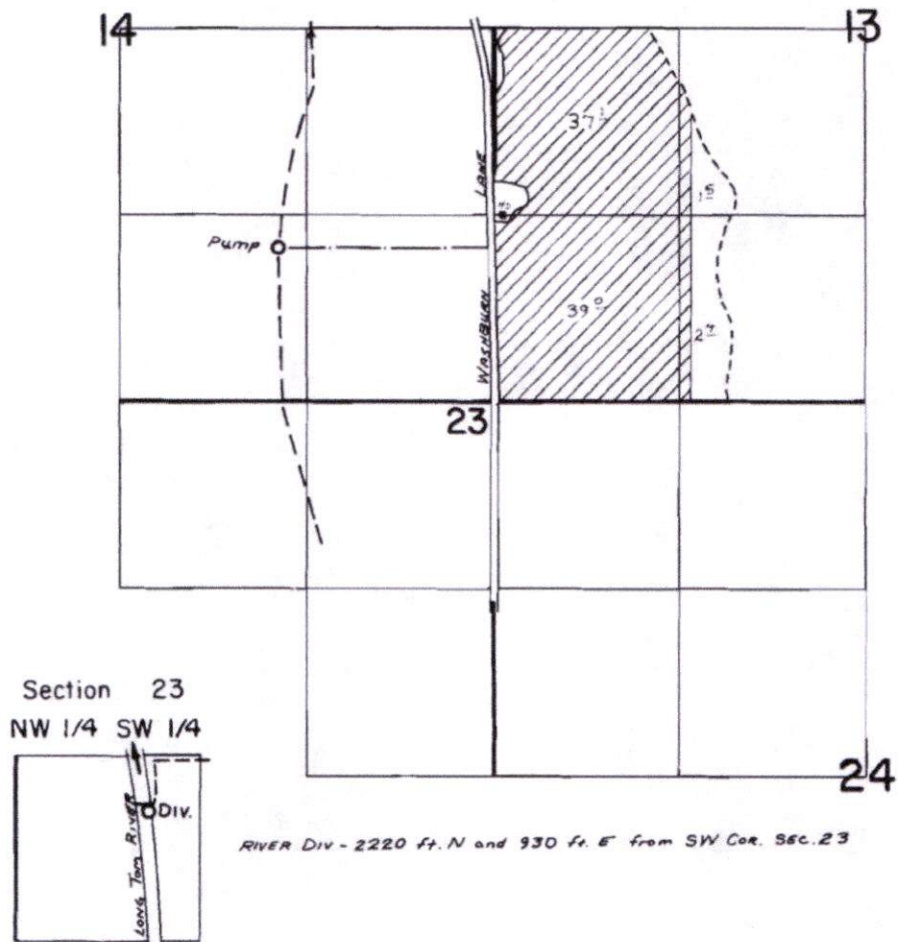
/s/ WILLIAM R. YOUNG

Water Resources Director

Recorded in State Record of Water Right Certificates numbered 60481

56939.SB

T.15S.,R.5W.,W.M.



# FINAL PROOF SURVEY

## UNDER

Application No. 56939 Permit No. 42771.....  
IN NAME OF

KELLY R. & JANET J. LOVELACE

Surveyed Aug. 2 1982, by L. M. TOLL.....

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