

**CLAIM OF
BENEFICIAL USE
for Transfer New or Additional
POD Only**



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 any Transfer final orders including a water right with a priority date of July 9, 1987, or later.

Example – A transfer involves 5 rights and one of the rights has a priority date of July 9, 1987, or later, the fee is required.

A separate form shall be completed for each transfer.

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>

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.

A claim of beneficial use includes both this report and a map. If the map is being mailed separately from this form, please include a note with this form indicating such.

If you have questions regarding the completion of this form, please call 503-979-9103.

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

Type of Authorized Change

This Claim is being submitted for a transfer where the only authorized change was a change in either point(s) of diversion or additional point(s) of diversion, or a combination of both. **YES**
If additional changes were authorized, you will need to select a different form.

1. File Information

APPLICATION #
T-12861

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2. Property Owner (current owner information)

APPLICANT/BUSINESS NAME Armacost Investments, LLLP		PHONE NO. 208-347-2336	ADDITIONAL CONTACT NO.
ADDRESS P.O. Box 219			
CITY New Meadows	STATE ID	ZIP 83654	E-MAIL

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

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

TRANSFER HOLDER OF RECORD Armacost Investments, LLLP			
ADDRESS P.O. Box 219			
CITY New Meadows	STATE ID	ZIP 83654	

4. Date of Site Inspection:

8/15/2020

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

NAME	DATE	ASSOCIATION WITH THE PROJECT
Barry Delcurto	8/15/2020	Lessee

6. County:

Baker County

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

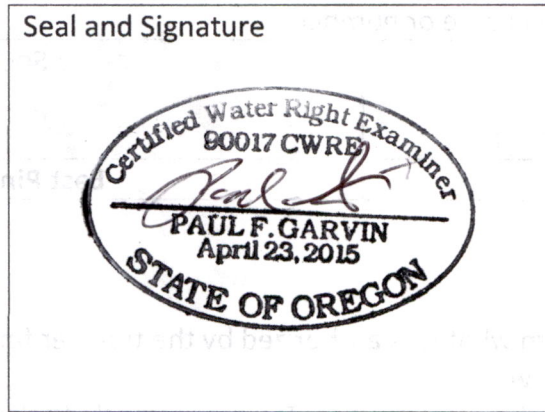
OWNER OF RECORD		
ADDRESS		
CITY	STATE	ZIP

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.



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CWRE NAME Paul Garvin		PHONE NO. 503-347-7188	ADDITIONAL CONTACT NO.	
ADDRESS 1705 Main St. Ste. 101				
CITY Baker City	STATE OR	ZIP 97814	E-MAIL Garvin.hydrogeo@gmail.com	

Transfer Holder of Record Signature or Acknowledgement

Each transfer 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
<i>Charlotte M. Armacost</i> <i>Armacost Investments</i> <i>LLP</i>	Charlotte Armacost/Armacost Investments LLP	Owner/Transfer Holder of Record	<i>Nov. 5,</i> <i>2022</i>

SECTION 3
CLAIM DESCRIPTION

Note: The Claim only needs to describe the new or additional point(s) of diversion. This Claim does not need to provide information for the original point(s) of diversion unless the original point of diversion is either a new or additional point of diversion on another right involved in this transfer.

1. New or additional point of diversion name or number:

POINT OF DIVERSION (POD) NAME OR NUMBER (CORRESPOND TO MAP)	SOURCE
Armacost Pump POD	East Pine Creek

2. Variations:

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

(e.g. "The order allowed three new/additional points of diversion. The water user only developed one of the points.")

3. Claim Summary:

NEW OR ADDITIONAL POD NAME OR #	MAXIMUM RATE AUTHORIZED IN ORDER	CALCULATED THEORETICAL RATE BASED ON SYSTEM	AMOUNT OF WATER MEASURED
Armacost Pump POD	73 ac*1/40th cfs per ac = 1.8 cfs	1.3 cfs	

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SECTION 4

SYSTEM DESCRIPTION

Are there multiple new or additional Points of Diversion (POD)s?

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):

ARMACOST PUMP POD

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A. POD System Information

Provide the following information concerning the point of diversion. Information provided must describe the equipment used to appropriate water from the point of diversion.

1. Pump Information

MANUFACTURER	MODEL	SERIAL NUMBER	TYPE (CENTRIFUGAL, TURBINE OR SUBMERSIBLE)	INTAKE SIZE	DISCHARGE SIZE
Cornell	4RB	227724 10.25	Centrifugal	6"	4"

2. Motor Information

MANUFACTURER	HORSEPOWER
Baldor	25 hp

3. Theoretical Pump Capacity

HORSEPOWER	OPERATING PSI	LIFT FROM SOURCE TO PUMP	LIFT FROM PUMP TO PLACE OF USE	TOTAL PUMP OUTPUT (IN CFS)
19.5 hp	21 psi	8 ft	2482ft - 2472ft= 10ft	1.3 cfs

4. Provide pump calculations:

$Q \text{ Pump} = \frac{(\text{horsepower})(\text{pump efficiency factor})}{(\text{total head})}$

Q in cfs and Pump efficiency factor for centrifugal pump (75%) = 6.61. This pump is 81% efficient while supplying irrigation system.

Adjust efficiency factor as follows: $6.61 * 81\% / 75\% = 7.14$

$Q \text{ Pump} = \frac{(19.5\text{hp}) * (7.14)}{105 \text{ ft}} = 1.32 \text{ cfs}$

Pivot Flows = 255 gpm + 239 gpm = 494 gpm

Pod Lines = 90 gpm

Pressure Backwash = 10 gpm

Sum of Flows = 594 gpm = 1.3 cfs

Total Dynamic Head Required at Pump = 105 ft – from design

$HP = \frac{594 \text{ gpm} * 105 \text{ ft}}{3960 * 81\%} = 19.5 \text{ hp}$

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.

B. Gravity Flow Pipe

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

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

C. Gravity Flow Canal or Ditch

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

1. Does the diversion involve a gravity flow ditch or canal? **NO**

D. Additional notes or comments related to the system:

<p>Point of diversion consists of:</p> <ul style="list-style-type: none"> • An instream rock weir to help maintain a pool to pump from • A pressure backwash screen (River Screen) • Suction Piping w/ foot valve • Cornell 4RB pump (Mounted on a trailer and primed with pitcher pump) • Cylindrical Screens <p>Discharge hose to buried mainline</p>

**SECTION 5
CONDITIONS**

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

1. Time Limits:

Describe how the water user has complied with each of the development timelines established in the transfer final order and any extensions of time issued for the transfer:

	DATE FROM TRANSFER	DATE THE NEW AND/OR ADDITIONAL POD(S) WERE READY FOR USE <i>*THIS DATE MUST FALL BETWEEN THE "ISSUANCE DATE" AND THE "COMPLETENESS DATE"</i>
ISSUANCE DATE	Nov 21, 2018	
COMPLETENESS DATE FROM ORDER (C)	Oct 1, 2024	June 2019

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2. Is there an extension final order(s)? NO

3. Measurement Conditions:

a. Does the transfer final order, or any extension final order require the installation of a meter or other approved measuring device? YES

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

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c. Meter Information

POD NAME OR #	MANUFACTURER	SERIAL #	CONDITION (WORKING OR NOT)	CURRENT METER READING	DATE INSTALLED
ARMACOST PUMP POD	McCrometer	unknown	Working	290.28 ac-ft	June 2019

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
June 2019	Warrington Irrigation & Barry Delcurto

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.

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? YES

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>

A letter from ODFW approving the fish screen is included as Attachment A

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.

basis of the survey is an aerial photo, provide the source, date, series and the aerial photo identification number.

The COBU map was created using GIS software with aerial imagery, publicly available geospatial data, and ground truthing

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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.) ***Not required for this type of Claim of Beneficial Use**
- 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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Attachment A

ODFW Fish Screen Certificate

Attachment A

ODFW Fish Screen Certificate



Oregon

Kate Brown, Governor

Department of Fish and Wildlife

Fish Division
4034 Fairview Industrial Dr SE
Salem, OR 97302
503-947-6200
Fax: 503-947-6202
www.dfw.state.or.us

October 4, 2019

Barry and Shella DelCurto
46411 Oliver Road
Halfway, OR 97834



RE: Fish Screen Approval for Water Right Transfer # T-12861

Mr. and Mrs. DelCurto,

The Oregon Department of Fish and Wildlife (ODFW) has reviewed the proposed fish screen for your point of diversion (POD) associated with water right transfer T-12681, and has determined that the fish screen meets all relevant fish screening criteria. The diversion, as described in the water right and water right transfer, can divert up to 1.875 cubic feet per second (cfs) of water out of East Pine Creek (1/40th cfs per acre, 73 total acres), and is located in Baker County. Furthermore, the irrigation infrastructure (pivots and pods) have a capacity of approximately 520 gallons per minute (GPM) or 1.15 cfs. The fish screen is a "Riverscreen" pump screen that utilizes a floating, partially submerged, 32-inch wide by 48-rotating drum screen to divert water. A series of spray bars are utilized to clean the screen. At full capacity (7 inches of screen submergence) the screen has adequate surface area to meet approach velocity criteria for the diversion rate, and the screen mesh size (3/32") is adequate to protect fish. Therefore, ODFW concludes that the fish screen meets all applicable fish screening criteria for this point of diversion.

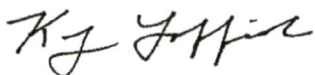
ODFW's approval of fish screening at this POD is contingent on the following:

1. The fish screen shall be installed and working properly prior to any diversion of water at this point of diversion. The screen shall be installed so that it is submerged to the designer's specifications (7 inches) prior to the diversion of water.
2. The fish screen shall be inspected regularly and maintained to ensure it remains in working order.
3. The screen shall be removed from the waterway during periods that fall outside of the established irrigation season per the water right.
4. No barrier, push-up dam, or other structure shall be utilized to check up water within the creek to facilitate diversion.

This screening approval shall be valid so long as the fish screen continues to function as designed, the screen is maintained and operated as provisioned herein, and no holes or tears form

in the screen material. Please retain this letter for your records, as this correspondence documents ODFW's approval of fish screening at this site. If you have any questions, please contact me at 503-947-6256.

Sincerely,



Ken Loffink
Statewide Fish Screening Coordinator

Cc: Mike Jensen, ODFW
Steve Brink, Idaho Power

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Attachment B

Maps

Attachment B

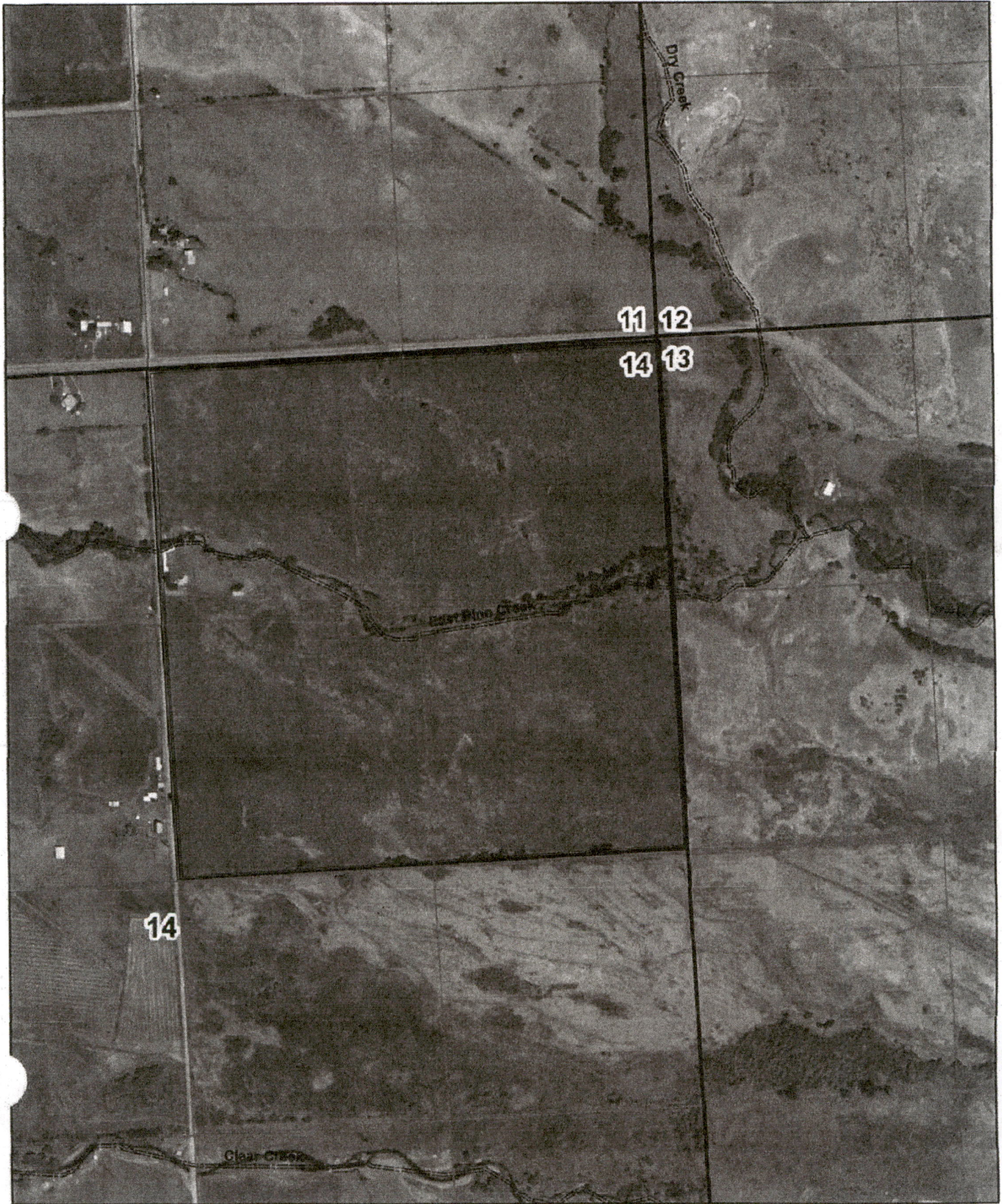
Maps

Armacost Property
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Map to Accompany Application to Change the Point of Diversion for Armacost Investments, LLLP

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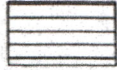
Scale: 1" = 1320'



C-10446 Transferred



30.0 ac 1877 Transferred
New POD



38.0 ac 1879 Transferred
New POD

C-10446 Remaining Rights



2.0 ac 1879 Remaining Rights

T. 8S, R.46E

