

# Application for a Permit to Use Surface Water



**Oregon Water Resources Department**  
725 Summer Street NE, Suite A  
Salem, Oregon 97301-1266  
503-986-0900  
www.oregon.gov/OWRD

## SECTION 1: APPLICANT INFORMATION AND SIGNATURE

### Applicant

NAME <b>Adam Ryan</b>		PHONE (HM) <b>541 929-7367</b>	
PHONE (WK) <b>541 737-6605</b>	CELL <b>541 609-8757</b>	FAX	
ADDRESS <b>38001 Alexander Road</b>			
CITY <b>Philomath</b>	STATE <b>OR</b>	ZIP <b>97370</b>	E-MAIL * <b>adamdryan@gmail.com</b>

### Organization

NAME <b>Goodfoot Farm</b>		PHONE		FAX
ADDRESS <b>same address</b>			CELL	
CITY	STATE	ZIP	E-MAIL *	

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

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

Note: Attach multiple copies as needed

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

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**By my signature below I confirm that I understand:**

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



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

	<u>Adam Ryan</u>	<u>Sept 8, 2019</u>
Applicant Signature	Print Name and Title if applicable	Date
_____	_____	_____
Applicant Signature	Print Name and Title if applicable	Date

**SECTION 2: PROPERTY OWNERSHIP**

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

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- YES, there are no encumbrances.
- YES, the land is encumbered by easements, rights of way, roads or other encumbrances.
- NO, I have a recorded easement or written authorization permitting access.
- NO, I do not currently have written authorization or easement permitting access.
- NO, written authorization or an easement is not necessary, because the only affected lands I do not own are state-owned submersible lands, and this application is for irrigation and/or domestic use only (ORS 274.040).
- NO, because water is to be diverted, conveyed, and/or used only on federal lands.

**Affected Landowners:** List the names and mailing addresses of all owners of any lands that are not owned by the applicant and that are crossed by the proposed ditch, canal or other work, even if the applicant has obtained written authorization or an easement from the owner. *(Attach additional sheets if necessary).*

**No affected landowners.**

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

**Benton County map taxlot 106290000403. See attached legal description and map.**

**SECTION 3: SOURCE OF WATER**

**A. Proposed Source of Water**

Provide the commonly used name of the water body from which water will be diverted, and the name of the stream or lake it flows into (if unnamed, say so), and the locations of the point of diversion (POD):

Source 1: <b>Luckiamute River</b>	Tributary to: <b>Willamette River</b>
TRSQQ of POD: <b>T10S, R6W, Section 30 SESE</b>	
Source 2:	Tributary to:
TRSQQ of POD:	

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

**B. Applications to Use Stored Water**

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

- Yes.
- No. (Enclose a copy of your written notification to the operator of the reservoir of your intent to file this application, which should have been mailed or delivered to the operator.)

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

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

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

#### SECTION 4: SENSITIVE, THREATENED OR ENDANGERED FISH SPECIES PUBLIC INTEREST INFORMATION

This information must be provided for your application to be accepted as complete. The Water Resources Department will determine whether the proposed use will impair or be detrimental to the public interest with regard to sensitive, threatened or endangered fish species.

To answer the following questions, use the map provided in Attachment 3 or the link below to determine whether the proposed point of diversion (POD) is located in an area where the Upper Columbia, the Lower Columbia, and/or the Statewide public interest rules apply.

For more detailed information, click on the following link and enter the T,R,S,QQ or the Lat/Long of a POD and click on "Submit" to retrieve a report that will show which section, if any, of the rules apply:  
[https://apps.wrd.state.or.us/apps/misc/lkp\\_trsqq\\_features/](https://apps.wrd.state.or.us/apps/misc/lkp_trsqq_features/)

If you need help to determine in which area the proposed POD is located, please call the customer service desk at (503) 986-0801.

#### Upper Columbia - OAR 690-033-0115 thru -0130

Is the POD located in an area where the Upper Columbia Rules apply?

Yes  No

**If yes, you are notified** that the Water Resources Department will consult with numerous federal, state, local and tribal governmental entities so it may determine whether the proposed use is consistent with the "Columbia River Basin Fish and Wildlife Program" adopted by the Northwest Power Planning Council in 1994 for the protection and recovery of listed fish species. The application may be denied, heavily conditioned, or if appropriate, mitigation for impacts may be needed to obtain approval for the proposed use.

**If yes,**

- I understand that the proposed use does not involve appropriation of direct streamflow during the time period April 15 to September 30, except as provided in OAR 690-033-0140.
- I understand that I will install, operate and maintain a fish screen and fish passage as listed in ORS 498.301 through 498.346, and 509.580 through 509.910, to the specifications and extent required by Oregon Department of Fish and Wildlife, prior to diversion of water under any permit issued pursuant to this application.

For Department Use: App. Number: 5-88743

- I understand that the Oregon Department of Environmental Quality will review my application to determine if the proposed use complies with existing state and federal water quality standards.
- I understand that I will install and maintain water use measurement and recording devices as required by the Water Resources Department, and comply with recording and reporting permit condition requirements.

**Lower Columbia - OAR 690-033-0220 thru -0230**

Is the POD located in an area where the Lower Columbia rules apply?

Yes  No

**If yes, you are notified** that that the Water Resources Department will determine, by reviewing recovery plans, the Columbia River Basin Fish and Wildlife Program, and regional restoration programs applicable to threatened or endangered fish species, in coordination with state and federal agencies, as appropriate, whether the proposed use is detrimental to the protection or recovery of a threatened or endangered fish species and whether the use can be conditioned or mitigated to avoid the detriment.

If a permit is issued, it will likely contain conditions to ensure the water use complies with existing state and federal water quality standards; and water use measurement, recording and reporting required by the Water Resources Department. The application may be denied, or if appropriate, mitigation for impacts may be needed to obtain approval of the proposed use.

**If yes, provide the following information** (the information must be provided with the application to be considered complete).

Yes  No The proposed use is for more than **one** cubic foot per second (448.8 gpm) and is not subject to the requirements of OAR 690, Division 86 (Water Management and Conservation Plans).

**If yes**, provide a description of the measures to be taken to assure reasonably efficient water use:

**Statewide - OAR 690-033-0330 thru -0340**

Is the POD located in an area where the Statewide rules apply?

Yes  No

**If yes**, the Water Resources Department will determine whether the proposed use will occur in an area where endangered, threatened or sensitive fish species are located. If so, the Water Resources Department, Department of Fish and Wildlife, Department of Environmental Quality, and the Department of Agriculture will recommend conditions required to achieve “no loss of essential habitat of threatened and endangered (T&E) fish species,” or “no net loss of essential habitat of sensitive (S) fish species.” If conditions cannot be identified that meet the standards of no loss of essential T & E fish habitat or no net loss of essential S fish habitat, the agencies will recommend denial of the application unless they conclude that the proposed use would not harm the species.

**SECTION 5: WATER USE**

Provide the amount of water you propose to use from each source, for each use, in cubic feet-per-second (cfs) or gallons-per-minute (gpm). If the proposed use is from storage, provide the amount in acre-feet (af):  
*(1 cfs equals 448.8 gpm. 1 acre-foot equals 325,851 gallons or 43,560 cubic feet)*

SOURCE	USE	PERIOD OF USE	AMOUNT
Luckiamute River	Irrigation	March 1 to October 31	0.27 <input checked="" type="checkbox"/> cfs <input type="checkbox"/> gpm <input type="checkbox"/> af
			<input type="checkbox"/> cfs <input type="checkbox"/> gpm <input type="checkbox"/> af
			<input type="checkbox"/> cfs <input type="checkbox"/> gpm <input type="checkbox"/> af
			<input type="checkbox"/> cfs <input type="checkbox"/> gpm <input type="checkbox"/> af

Please indicate the number of primary and supplemental acres to be irrigated.  
 Primary: 11 Acres                      Supplemental: 0 Acres  
 If supplemental acres are listed, provide the Permit or Certificate number of the underlying primary water right(s):  
 \_\_\_\_\_  
 Indicate the maximum total number of acre-feet you expect to use in an irrigation season: 32

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

**SECTION 6: WATER MANAGEMENT**

**A. Diversion and Conveyance**

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

- Pump (give horsepower and type): 5 HP centrifugal  
 Other means (describe): \_\_\_\_\_

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

We'll use a single-phase electric centrifugal pump at the bank, 3 or 4 inch aluminum intake pipe with screened foot valve, 4 inch underground PVC mainline and 2 inch PVC laterals.

**B. Application Method**

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

We'll use mostly drip irrigation but also micro sprinklers and some impact sprinklers depending on the crop and season.

**C. Conservation**

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

see attached

**SECTION 7: RESOURCE PROTECTION**

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

- Diversion will be screened per ODFW specifications in ORS 498.301 through 498.346 to prevent uptake of fish and other aquatic life.

Describe planned actions: **The screen on a 4" foot valve has an open area of 59 sq. in. We can install a larger screen if needed.**

- Excavation or clearing of banks will be kept to a minimum to protect riparian or streamside areas.  
**Note: If disturbed area is more than one acre, applicant should contact the Department of Environmental Quality to determine if a 1200C permit is required.**

Describe planned actions and additional permits required for project implementation: \_\_\_\_\_

**No bank disturbance will be necessary.**

- Operating equipment in a water body will be managed and timed to prevent damage to aquatic life. Describe planned actions and additional permits required for project implementation: \_\_\_\_\_

**No equipment in the river will be necessary.**

- Water quality will be protected by preventing erosion and run-off of waste or chemical products.

Describe planned actions: **Organic compost will be made several hundred feet away from the river and will not pose a threat to water quality.**

- List other federal and state permits or contracts to be obtained, if a water right permit is granted.

\_\_\_\_\_ **No federal or state permits will be needed. We will apply for a permit for a new electrical service with Benton County.**

**SECTION 8: PROJECT SCHEDULE**

- a) Date construction will begin: **spring, 2020**
- b) Date construction will be completed: **spring, 2021**
- c) Date beneficial water use will begin: **spring, 2021**

**SECTION 9: WITHIN A DISTRICT**

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

Irrigation District Name	Address	
City	State	Zip

**SECTION 10: REMARKS**

Use this space to clarify any information you have provided in the application. (Attach additional sheets if necessary).

**See attached for Section 6, part C.**

## Minimum Requirements Checklist

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

### Include this checklist with the application

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

Please submit the original application and signatures to the Water Resources Department. Applicants are encouraged to keep a copy of the completed application.

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- SECTION 1: Applicant Information and Signature
- SECTION 2: Property Ownership
- SECTION 3: Source of Water
- SECTION 4: Sensitive, Threatened or Endangered Fish Species Public Interest Information
- SECTION 5: Water Use
- SECTION 6: Water Management
- SECTION 7: Resource Protection
- SECTION 8: Project Schedule
- SECTION 9: Within a District
- SECTION 10: Remarks

#### Include the following additional items:

- Land Use Information Form with approval and signature of local planning department (*must be an original*) or signed receipt.
- Provide the legal description of: (1) the property from which the water is to be diverted, (2) any property crossed by the proposed ditch, canal or other work, and (3) any property on which the water is to be used as depicted on the map.
- Fees - Amount enclosed: \$ 1280  
See the Department's Fee Schedule at [www.oregon.gov/owrd](http://www.oregon.gov/owrd) or call (503) 986-0900.
- Map that includes the following items:
  - Permanent quality and drawn in ink
  - Even map scale not less than 4" = 1 mile (example: 1" = 400 ft, 1" = 1320 ft, etc.)
  - North Directional Symbol
  - Township, Range, Section, Quarter/Quarter, Tax Lots
  - Reference corner on map
  - Location of each diversion, by reference to a recognized public land survey corner (distances north/south and east/west)
  - Indicate the area of use by Quarter/Quarter and tax lot identified clearly.
  - Number of acres per Quarter/Quarter and hatching to indicate area of use if for primary irrigation, supplemental irrigation, or nursery
  - Location of main canals, ditches, pipelines or flumes (if well is outside of the area of use)

For Department Use: App. Number: 5-88743

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# Water-Use Permit Application Processing

## 1. Completeness Determination

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

## 2. Initial Review

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

## 3. Public Notice

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

## 4. Proposed Final Order Issued

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

## 5. Public Notice

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

## 6. Final Order Issued

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



# Land Use Information Form



**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)

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## NOTE TO APPLICANTS

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

**This form is NOT required if:**

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

## NOTE TO LOCAL GOVERNMENTS

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

# Land Use Information Form



**Oregon Water Resources Department**  
 725 Summer Street NE, Suite A  
 Salem, Oregon 97301-1266  
 503-986-0900  
 www.oregon.gov/OWRD

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**Applicant**

NAME <b>Adam Ryan</b>		PHONE (HM) <b>541 929-7367</b>	
PHONE (WK) <b>541 737-6605</b>	CELL <b>541 609-8757</b>	FAX	
ADDRESS <b>38001 Alexander Rd.</b>			
CITY <b>Philomath</b>	STATE <b>OR</b>	ZIP <b>97370</b>	E-MAIL* <b>adamdryan@gmail.com</b>

**A. Land and Location**

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

Township	Range	Section	¼ ¼	Tax Lot #	Plan Designation (e.g., Rural Residential/RR-5)	Water to be:			Proposed Land Use:
10S	6W	30	SESE	403	EFU	<input checked="" type="checkbox"/> Diverted	<input type="checkbox"/> Conveyed	<input checked="" type="checkbox"/> Used	Farm
						<input type="checkbox"/> Diverted	<input type="checkbox"/> Conveyed	<input type="checkbox"/> Used	
						<input type="checkbox"/> Diverted	<input type="checkbox"/> Conveyed	<input type="checkbox"/> Used	
						<input type="checkbox"/> Diverted	<input type="checkbox"/> Conveyed	<input type="checkbox"/> Used	

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

Benton

**B. Description of Proposed Use**

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

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

Source of water:  Reservoir/Pond   
 Groundwater   
 Surface Water (name) Luckiamute River

Estimated quantity of water needed: 0.27  cubic feet per second   
 gallons per minute   
 acre-feet

Intended use of water:  Irrigation   
 Commercial   
 Industrial   
 Domestic for \_\_\_\_ household(s)  
 Municipal   
 Quasi-Municipal   
 Instream   
 Other \_\_\_\_

Briefly describe:

Goodfoot Farm is a small diversified organic market farm. We sell produce at the Corvallis farmer's market and to a few restaurants and grocers. We bought this property down the road from our farm with hopes of expanding.



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

## For Local Government Use Only

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

**Please check the appropriate box below and provide the requested information**

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- Land uses to be served by the proposed water uses (including proposed construction) are allowed outright or are not regulated by your comprehensive plan. Cite applicable ordinance section(s): BCC 55.105(1).
- Land uses to be served by the proposed water uses (including proposed construction) involve discretionary land use approvals as listed in the table below. (Please attach documentation of applicable land use approvals which have already been obtained. Record of Action/land use decision and accompanying findings are sufficient.) **If approvals have been obtained but all appeal periods have not ended, check "Being pursued."**

Type of Land Use Approval Needed (e.g., plan amendments, rezones, conditional-use permits, etc.)	Cite Most Significant, Applicable Plan Policies & Ordinance Section References	Land Use Approval:	
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued
		<input type="checkbox"/> Obtained <input type="checkbox"/> Denied	<input type="checkbox"/> Being Pursued <input type="checkbox"/> Not Being Pursued

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

Proposed land use is farming.

NAME <u>Toby Lewis</u>	TITLE: <u>Associate Planner</u>
SIGNATURE <u>Toby Lewis</u>	PHONE: <u>541-766-6819</u>
GOVERNMENT ENTITY <u>Benton County</u>	DATE: <u>9/9/19</u>

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

**Receipt for Request for Land Use Information**



Applicant name: \_\_\_\_\_

City or County: \_\_\_\_\_ Staff contact: \_\_\_\_\_

Signature: \_\_\_\_\_ Phone: \_\_\_\_\_ Date: \_\_\_\_\_

5-88743

**Section 6: Water Management****C. Conservation**

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

The requested amount of water is an acre inch per week. Our irrigation patterns change almost weekly depending on the season, what's being planted, cultivated and harvested, and the prevailing weather patterns. That being the case, this is a precautionary request; we would rarely need this much water.

To minimize waste (and reduce weed pressure), we use drip irrigation whenever we can. We do use sprinklers for some crops and cover crops, and in this case we irrigate in the morning (with little wind) and apply an efficient deep soak once a week. Buried PVC is much less leaky than above ground aluminum. Regular maintenance and monitoring of the irrigation system prevents waste.

To measure the amount of water diverted, we will use pressure gauges at the pump and in the field in conjunction with our pump's pressure curves and our head calculations to track volume. We've used catch cup tests for confirmation and when troubleshooting uneven distribution. If a flowmeter is required for more accuracy, we can install one.

To prevent damage to the public use of the Luckiamute, several measures are employed. Most importantly we take water use monitoring seriously and never use more than is needed or allowed. Water is never allowed to pond or collect so there is never a chance of contaminated water running off and returning to the river.

No earth moving needs to take place at the diversion site except for a small concrete pad that will be placed beyond the bank for siting the pump, and trenches dug away from the pump. Nonetheless, precautions will be taken to prevent any sediment from entering the river.

Our intake pipe will not interfere with the flora or fauna of the riparian area, and the intake basket will be routinely monitored to prevent any damage to aquatic life. Access up and down the river and along the bank will not be restricted by the intake pipe.

APN: 25191

Statutory Warranty Deed  
- continued

File No.: 7081-3222686 (JK)

**EXHIBIT A**

**LEGAL DESCRIPTION:** Real property in the County of Benton, State of Oregon, described as follows:

**A portion of the James Watson Donation Land Claim No. 40 in Township 10 south, Range 6 West, Willamette Meridian, Benton County, Oregon, being more particularly described as follows:**

**Beginning at the Southwest corner of the James Watson Donation Land Claim No. 40 in Township 10 South, Range 6 West of the Willamette Meridian in Benton County, Oregon and running thence South 87° 25' 28" East, along the Westerly South line of said DLC No. 40, 910.09 feet, more or less, to the thread of the stream in the Luckiamute River; thence upstream along said thread of the stream over the following general courses:**

**North 23° 53' 33" West, 235.31 feet,**

**North 24° 33' 20" West, 80.84 feet,**

**North 37° 42' 58" West, 180.29 feet,**

**North 42° 40' 10" West, 308.62 feet,**

**North 48° 21' 59" West, 198.45 feet, and**

**North 68° 13' 07" West, 299.23 feet to a point on the West boundary line of said DLC No. 40; thence South 2° 18' 15" West, along said DLC boundary line, 860.89 feet, more or less, to the point of beginning.**