

## Application for a Water Right Permit

For Ecology Use  
(Date Stamp)

**RECEIVED**

JAN 03 2014

WA State Department  
of Ecology (SWRO)

Follow the attached instructions. Attach additional sheets as necessary.

- GROUND WATER     SURFACE WATER  
 PERMANENT     SHORT TERM     TEMPORARY  
 DROUGHT

**\*A NON-REFUNDABLE MINIMUM FEE OF \$50.00 MUST ACCOMPANY THIS APPLICATION.**

### Section 1. APPLICANT

- I have participated in a pre-application conference with Ecology.

Applicant/Business Name: <b>Public Utility District #1 of Skamania County</b>	Phone No: <b>509-427-5126</b>	Other No:
Address: <b>PO Box 500, 1492 Wind River Highway</b>		
City: <b>Carson</b>	State: <b>Washington</b>	Zip: <b>98610</b>
Email Address (if available): <u>msharp@skamaniapud.com</u>		

Contact Name (if different from above): <b>Melanie Sharp</b>	Phone No: <b>509-427-5126</b>	Other No:
Relationship to Applicant: <b>PUD Project Coordinator</b>		
Address: <b>Same</b>		
City:	State:	Zip:
Email Address (if available):		

Legal Land Owner or Part Owner Name of the Proposed Place of Use: <b>Public Utility District #1 of Skamania County</b>	Phone No:	Other No:
Address: <b>Same</b>		
City:	State:	Zip:
Email Address (if available):		

For Ecology Use	APPLICATION NO: <u>62-30635</u>	SEPA: Exempt/Not Exempt
	Fee Paid: _____	Check No: _____

Date Returned \_\_\_\_\_ By \_\_\_\_\_ Priority Date 1-3-14 By SC WRIA: 29  
 Pre-application interviewer: \_\_\_\_\_

**Section 2. STATEMENT OF INTENT**

Do you own the land on which the proposed point of diversion/withdrawal is located?  YES  NO  
 If no, do you have legal authority to make this application for use of another's land?  YES  NO

Briefly describe the purpose of your proposed project: Skamania PUD is requesting a revision to the Underwood Water System water rights to allow an increased withdrawal to meet projected demands. We are requesting that the current water rights for the Underwood Water System (Certificate 3195, G2-24201, and G2-28141C) be increased to have a combined (Primary) Qi of 325 gpm and Qa of 324 AF/YR with the flexibility to allow the PUD to choose which of the existing three points of diversion it would like to use at any one time (Preferred Option). If that flexibility is not allowed, then the Alternative Option would be that the water right for Shaddox Springs (Certificate G2-28141C) change from a supplemental water right of 80 gpm and 65 acre-feet/year to a primary water right of 140 gpm and 115 AF/YR.

Anticipated length of time to complete your project: One week after receipt of an approved permit.

**Water Use** List all purposes for which water will be applied to a beneficial use and list quantity required for each.

Purpose(s) of Use	Rate (check one box only)		Acre-Feet per Year (AF/YR) (If known)	Period of Use (Continuously or Seasonal)
	<input type="checkbox"/> Cubic Feet per Second (CFS)	<input checked="" type="checkbox"/> Gallons per Minute (GPM)		
Existing Municipal Uses – Existing Permits	270 gpm		324 AF/YR	Continuously
New Municipal Use – Permit for Combined withdrawals (Preferred Option)	55 gpm		0 AF/YR	Continuously
New Municipal Use - Permit for Shaddox Springs Only (Alternate Option)	140 gpm		115 AF/YR	Continuously
<b>TOTAL:</b>	<b>325 gpm (Preferred Option)</b> 410 gpm (Alternate Option)		<b>324 AF/YR (Preferred Option)</b> 439 AF/YR (Alternate Option)	

**Short Term/Temporary Water Use**

Is this a request for a short term project (less than four months and non-recurring)?  YES  NO

Is this request for a temporary permit?  YES  NO

If yes to either question above, indicate the dates that the water will be needed:

FROM: \_\_\_\_/\_\_\_\_/\_\_\_\_ TO: \_\_\_\_/\_\_\_\_/\_\_\_\_

### Section 3. POINT OF DIVERSION OR WITHDRAWAL

(Complete A or B, and C below)

<b>A.) If Surface Water Source</b> <input type="checkbox"/> Spring <input type="checkbox"/> Creek <input type="checkbox"/> River <input type="checkbox"/> Lake <input type="checkbox"/> Other: _____ Source Name: _____ Tributary to: _____ Number of proposed diversion points: _____ Do you have an existing diversion? <input type="checkbox"/> YES <input type="checkbox"/> NO	<b>B.) If Ground Water Source</b> <input checked="" type="checkbox"/> Well(s) <input checked="" type="checkbox"/> Other: <u>Infiltration gallery</u> _____ Well diameter & depth: <u>6 inch dia. and 450 feet deep</u> Number of proposed points of withdrawal: <u>3</u> Do you have an existing well? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO If available, attach Water Well Report and pump test. Well Tag ID No. <u>Galligan Springs AFP664, Galligan Well AFE594, Shaddox Spring AFE665</u>
--	---

### C.) Point of Diversion/Withdrawal – Legal Description

Parcel No.	¼	¼	Section	Township	Range	County
<b>03103000040000</b> (Galligan Springs and Well)	NE	NW	30	3N	10E	Skamania
Lot(s)	Block(s)		Subdivision			
N/A	N/A		N/A			
If known, enter the distances in feet from the point of diversion or withdrawal to the nearest section corner:						
<b>830</b> Feet ( <input type="checkbox"/> North/ <input checked="" type="checkbox"/> South) and <b>1700</b> feet ( <input type="checkbox"/> East/ <input checked="" type="checkbox"/> West)						
from the ( <input checked="" type="checkbox"/> NW <input type="checkbox"/> SW <input type="checkbox"/> NE <input type="checkbox"/> SE <input type="checkbox"/> ____) corner of Section <b>30</b> .						
Parcel No.	¼	¼	Section	Township	Range	County
<b>03103000030100</b> (Shaddox Springs)	NE	NW	30	3N	10E	Skamania
Lot(s)	Block(s)		Subdivision			
N/A	N/A		N/A			
If known, enter the distances in feet from the point of diversion or withdrawal to the nearest section corner:						
<b>1380</b> feet ( <input type="checkbox"/> North/ <input checked="" type="checkbox"/> South) and <b>1120</b> feet ( <input type="checkbox"/> East/ <input checked="" type="checkbox"/> West)						
from the ( <input checked="" type="checkbox"/> NW <input type="checkbox"/> SW <input type="checkbox"/> NE <input type="checkbox"/> SE <input type="checkbox"/> ____) corner of Section <b>30</b>						

NOTE: If more than two points of diversion/withdrawal attach additional information on a separate sheet of paper.

### Section 4. PLACE OF USE

Attach a copy of the legal description of the property (on which the water will be used) taken from a real estate contract, property deed or title insurance policy, or copy it carefully in the space below.

See the attached Service Area Map. Water will be used throughout the community of Underwood in the following locations: T3N, R10E, S 14, 15, 16, 19, 20, 21, 22, 23, 29, & 30 and T3N, R9E, S24 & 25.

Do you own all the lands on which the proposed place of use is located?  YES  NO.

If no, do you have legal authority to make this application for use of another's land?  YES  NO

Provide owner name(s), address, and phone number: Approximately 373 customers of the Underwood Water

System.

Are there any other water rights or claims associated with this property or water system?  YES  NO

If yes, provide the water right and/or claim numbers: \_\_\_\_\_

**Attach a map of your project showing the point of diversion/withdrawal and place of use. If platted property, be sure to include a complete copy of the plat map.**

**Section 5. WATER SYSTEM DESCRIPTION**

Describe your proposed water system (include type and size of devices used to divert or withdraw water from source):

The Underwood Water System (DOH #90200J) is an existing Group A system with approximately 373 customers. The Underwood Water System Plan was completed in 2013 and is under final review by DOH. The plan identified the DOH Water System Design Manual recommendation that source capacity be sufficient to satisfy MDD. The proposed increase in withdrawal rate from this water permit application will allow the PUD to serve the projected growth within the existing Underwood Water System service area. The PUD currently holds water rights covering both Galligan Springs and Galligan Well, and a supplementary water right for Shaddox Springs. The three sources are all located within a few hundred feet of each other at the southwest end of the system. Due to the inconsistent nature of Galligan Springs, Galligan Well has been utilized as the primary source for the water system, supplemented by water production from Shaddox Springs. All three sources are either pumped or flow by gravity to the Galligan Springs wetwell.

**Section 6. DOMESTIC WATER SUPPLY SYSTEM INFORMATION**

(Complete A or B, and C below)

<b>A.) Domestic Water Systems only</b>	<b>B.) Municipal Water Systems only</b> <i>(defined under RCW 90.03.015)</i>
Projected number of connections to be served: _____  Type of connections: _____ <i>(e.g., home, recreational cabin)</i>	Present population to be served water: <u>Approximately 1,000</u>  Estimate future population to be served: <u>Approximately 1,244</u> (20 year projection)
<b>C.) Water System Planning</b>	
Do you have a Water System Plan approved by the Washington State Department of Health, Drinking Water Division? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO  If yes, date plan was approved: <u>Nov. 2013 (under final review by DOH)</u> Water System Number: <u>DOH#90200J</u>  Name of water system: <u>Underwood Water System</u>  Are you within the service area of an existing water system? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

If yes, explain why you are unable to connect to the system: N/A

## Section 7. IRRIGATION/STOCKWATER/OTHER FARM USES

### Irrigation

Total number of acres requested to be irrigated under this application =

NOTE: Outline the area to be irrigated on your attached map.

### Stockwater

List number and kind of stock:

Is the proposed project for a dairy farm?  YES  NO

### Other Proposed Farm Uses

Describe all proposed uses:

### Family Farm Water Act (RCW 90.66):

Calculate the acreage in which you have a controlling interest, including only:

- Acreage irrigated under water rights acquired after December 8, 1977,
- Acreage proposed to be irrigated under this application, and
- Acreage proposed to be irrigated under other pending application(s).

Is the combined acreage under existing rights greater than 6000 acres?  YES  NO

Do you have a controlling interest in a Family Farm Development Permit?  YES  NO

If yes, enter Permit No: \_\_\_\_\_

## Section 8. OTHER WATER USES

### Hydropower

Indicate total feet of head \_\_\_\_\_ and proposed capacity in kilowatts: \_\_\_\_\_

Describe works: \_\_\_\_\_

Indicate all uses to which power is to be applied: \_\_\_\_\_

FERC License No:

### Mining/Industrial Use

Describe use, method of supplying and utilizing water: \_\_\_\_\_

### Other Use

\_\_\_\_\_

## Section 9. WATER STORAGE

Will you be using a dam, dike, or other structure to retain or store water?  YES  NO

Are you proposing to store more than 10 acre-feet of water?  YES  NO

Will the water depth be 10 feet or more?  YES  NO

If you answered yes to any of the above questions, please describe: \_\_\_\_\_

*NOTE: If you will be storing 10 acre-feet or more of water and/or if the water depth will be 10 feet or more at the deepest point and some portion of the storage will be above grade, you must also complete an Application for Permit to Construct a Reservoir and a Dam Construction Permit and Application.*

### Section 10. DRIVING DIRECTIONS

Provide detailed driving directions to the project site: **From Underwood, Washington travel 4.2 miles west on SR 14 toward Cook-Underwood Road. Turn right onto Shaddox Springs Road and go 0.08 miles to Shaddox Springs located on the north side of the roadway. Galligan Springs and Galligan Well is approximately 0.25 miles further up Shaddox Springs Road.**

Site Address: **Shaddox Springs Road, Underwood, Washington, 98651**

### Section 11. REQUIRED SIGNATURES

I certify that the information provided in this application is true and accurate to the best of my knowledge. I understand that in order to process my application, I grant staff from the Department of Ecology access to the site for inspection and monitoring purposes. Even though the employees of the Department of Ecology may have assisted me in the preparation of the above application, all responsibility for the accuracy of the information rests with me, the applicant.

**Melanie Sharp**  
\_\_\_\_\_  
Print Name  
(Applicant or authorized representative)

*Melanie Sharp*  
\_\_\_\_\_  
Signature

*1/3/14*  
\_\_\_\_\_  
Date

**Brent Bischoff**  
\_\_\_\_\_  
Print Name  
(Legal Owner or Part Owner Place of Use)

*Brent Bischoff*  
\_\_\_\_\_  
Signature

*1/3/14*  
\_\_\_\_\_  
Date

Please check the region in which the project is located:

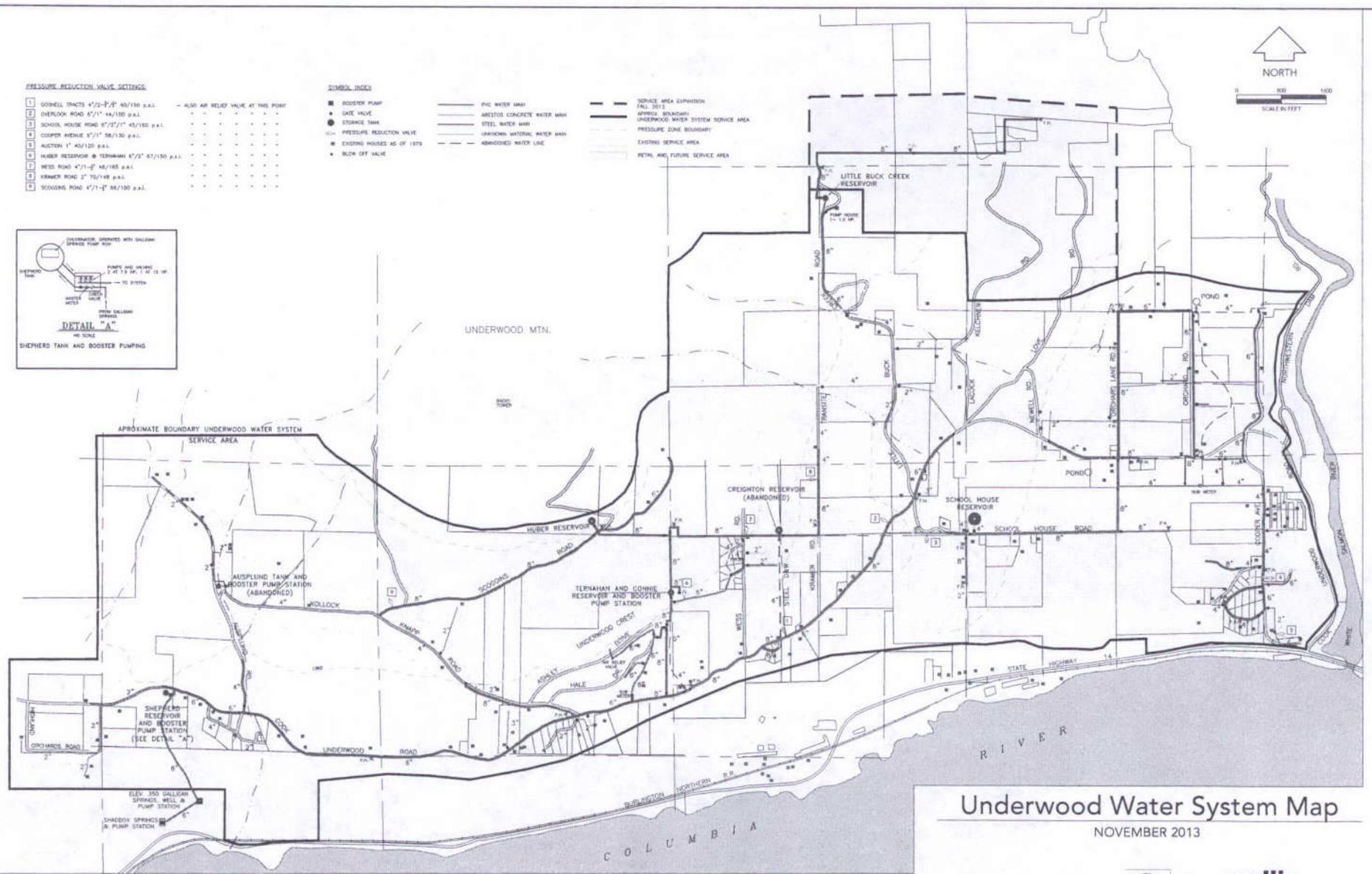
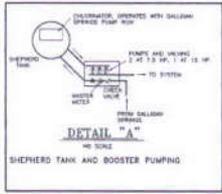
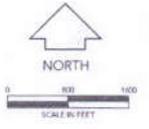
<b>*Submit your application to:</b> DEPARTMENT OF ECOLOGY CASHIERING SECTION PO BOX 47611 OLYMPIA, WA 98504-7611	<input type="checkbox"/> Central Regional Office 15 W Yakima Avenue, Suite 200 Yakima, WA 98902 (509) 575-2490	<input type="checkbox"/> Eastern Regional Office 4601 N. Monroe Spokane, WA 99205-1295 (509) 329-3400
	<input type="checkbox"/> Northwest Regional Office 3190 - 160 <sup>th</sup> Avenue SE Bellevue, WA 98008-5452 (425) 649-7000	<input checked="" type="checkbox"/> Southwest Regional Office PO Box 47775 Olympia, WA 98504-7775 (360) 407-6300

**PRESSURE REDUCTION VALVE SETTINGS**

NO.	LOCATION	SETTING	REMARKS
1	GOHELL TRACTS 47/2"-1/2" 40/100 p.s.i.	-	ALSO AIR RELIEF VALVE AT THIS POINT
2	OVERLOOK ROAD 67/1" 44/100 p.s.i.	-	
3	SCHOOL HOUSE ROAD 67/27/1" 45/100 p.s.i.	-	
4	COOPER AVENUE 67/1" 58/100 p.s.i.	-	
5	AULTON 1" 40/100 p.s.i.	-	
6	HUBER RESERVOIR @ TERNAHAN 47/2" 67/100 p.s.i.	-	
7	WEED ROAD 47/1"-2" 45/100 p.s.i.	-	
8	KEMNER ROAD 2" 70/100 p.s.i.	-	
9	SCOTTING ROAD 47/1"-2" 68/100 p.s.i.	-	

**SYMBOL INDEX**

SYMBOL	DESCRIPTION
■	BOOSTER PUMP
●	GATE VALVE
○	STORAGE TANK
○	PRESSURE REDUCTION VALVE
○	EXISTING HOUSES AS OF 1978
●	BLOW OFF VALVE
—	PVC WATER MAIN
—	ARISTOS CONCRETE WATER MAIN
—	STEEL WATER MAIN
—	GARDENING WATER MAIN
—	ABANDONED WATER LINE
---	SERVICE AREA EXPANSION FALL 2013
---	APPROX. BOUNDARY UNDERWOOD WATER SYSTEM SERVICE AREA
---	PRESSURE ZONE BOUNDARY
---	EXISTING SERVICE AREA
---	POTENTIAL FUTURE SERVICE AREA



**Underwood Water System Map**  
NOVEMBER 2013



**wallis engineering**  
EST. IN 1946, 25th ST  
BIRMINGHAM, AL 35203