

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

Application for Instream Water Right Certificate

12/1/16

Date

Date

DEC 01 2016

MEL

SECTION 1: ORGANIZATION INFORMATION AND SIGNATURE

Organization Information		· · · · · ·		······
NAME		PHONE	FAX	
OREGON DEPT. OF FISH AND WILD	LIFE :: . ::	503-947	-6000 503-94	7-6202
ADDRESS		· · · · · · · · · · · · · · · · · · ·	CELL	
4034 FAIRVIEW INDUSTRIAL DR. S	E	·····		
СЛТУ	STATE	ZIP E-MAII	*	
SALEM	: OR	97302-1142		
			· · · · · · · · · · · · · · · · · · ·	
Agent Information - The agent	is authorized to repres	ent the applicant in all n	natters relating to this app	lication.
AGENT / BUSINESS NAME		PHONE .	FAX	· · · · · · · · · · · · · · · ·
ANNA PAKENHAM STEVENSON / OI	REGON DEPT. OF FIS	HAND 503-947-	6084 503-94	7-6202
WILDLIFE	<u></u>			
ADDRESS			CELL	
4034 FAIRVIEW INDUSTRIAL DR. S	<u>E</u>	· · · · · · · · · · · · · · · · · · ·		
CITY	STATE ZI	IP E-MAIL	*	
SALEM	. OR 9	7302-1142 ANNA.	P.STEVENSON@STATE.	OR.US
* By providing on a mail address con	cent is given to receive	all correspondence fro	m the Department electro	nically (Note that paper

* By providing an e-mail address, consent is given to receive all correspondence from the Department electronically. (Note that copies of the Final Order documents will also be mailed.)

Applicant S gnature

Anna Pakenham Stevenson Water Program Manager Print Name and Title

Applicant Signature

Print Name and Title

SECTION 2: NOTIFICATION TO DEQ, ODFW, AND PARKS

Please indicate the date you notified other state agencies of your intent to file an instream water right application. Oregon Department of Environmental Quality was notified on: <u>October 17 2016</u>

Oregon Department of Fish and Wildlife was notified on: N/A

Oregon Parks and Recreation Department was notified on: October 17 2016

SECTION 3: NOTIFICATION TO AFFECTED LOCAL GOVERNMENTS

▷ Please provide copies of letters of your intent to file an instream water right application to each affected local government within whose jurisdiction the instream use is proposed. Affected local government means any city, county or metropolitan service district formed under ORS Chapter 268 or an association of local governments performing land-use planning functions under ORS 197.190.

SECTION 4: SOURCE AND REACH

Stream or lake name: Mill Creek

Tributary to: Columbia River

If the source is a stream, indicate the reach delineated by river mile (the upstream point to the downstream point) of the proposed instream water right:

Beginning at the mouth of Mill Creek, tributary to the Columbia River, river mile 0.0 in the SWSW quarter of Section 34, Township 2 N, Range 13 E W.M. in Wasco County (45.6068, -121.1872), continuing upstream to the confluence of North Fork and South Fork Mill Creek, river mile 8.1 in the SESW quarter of Section 22, Township 1 N, Range 12 E W.M. in Wasco County (45.5506, -121.3079).

If the source 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 and page, or decree name).

If the source is stored water and you do not, or will not, own the reservoir(s), please enclose a copy of your written agreement with the owner of the reservoir to release flows identified in this application.

SECTION 5: PUBLIC USES AND AMOUNTS

The public uses to be served by the requested instream water right are: For the conservation, maintenance and enhancement of aquatic and fish life, wildlife, and fish and wildlife habitat. Applied flows include water for fish and wildlife migration, spawning, nesting, brooding, egg incubation, larval or juvenile development, juvenile and adult rearing and aquatic life. Flow levels will vary based on life cycle and life stage development needs.

The monthly (or half-monthly) flows in cubic feet-per-second (CFS) or acre-feet (AF) or by lake elevation (LE) necessary to support the public uses are:

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Unit
10	10	15	26	26	26	15	15	10	10	10	10	CFS

If this is a <u>multi-agency request</u>, please indicate the monthly (or half-monthly) flows in cubic feet-per-second (cfs) or acre-feet (af) or by lake elevation (le) that are necessary to support the public uses for <u>each category</u> of public use.

USE	J	F	M	Α	М	J.	J	A	S	Ο	N	\mathbf{D}	
													CFS AF

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SECTION 6: DATA, METHODS, AND COMPLIANCE

Please describe the technical data and methods used to determine the requested amounts.

The Oregon Method (Thompson 1972) was used in the Basin Investigations to develop flow recommendations. The Oregon Method is a habitat based method that determines the degree of habitat at different streamflow rates and life stages. It requires repeated measurements at different flows. The criteria cover fish spawning, adult migration, and rearing habitat. The desired flow levels are determined by examining flow vs. habitat at different flow levels. Methods for assessing flow needs for spawning, rearing and passage were described by Thompson (1972) as follows:

-Spawning and incubation flows were based on transect measurements with species-specific depth, velocity, and substrate criteria. Repeated measurements over a range of flows were used to develop a relationship of total spawning area vs. discharge.

-Rearing flows were based on repeated measurements, over a range of flows, of the following parameters: adequate depth over key riffles, riffle-pool ratio (i.e. sufficient connectivity between pools), average riffle and pool depths and velocities, and availability of instream cover.

-Passage flows were based on repeated depth measurements at transects across the shallowest riffles judged most likely to impede upstream migration of adult salmonids. Passage criteria were based on the percentage of adequate depth along the transects as a function of discharge.

Please provide written documentation of how your agency complied with the requirements contained in your own administrative rules for instream water rights, including application of the required methods to determine requested flows.

ODFW followed all procedures laid out in the agency's 635-400-0015 rules- Determination of Instream Flow Measurement Methodologies. Specifically, the Basin Investigation Report (BIR) flows for this instream flow recommendation were based on 'The Oregon Method', an approved method for determining an instream flow requirement. The BIR identifies fish and wildlife resources of the basin, their distribution, limiting factors, harvest, and water requirements. Stream flow recommendations of the BIR are specifically designed to meet the seasonal biological requirements of the basin's fish. These BIR flow recommendations were used in this instream water right application (see attached BIR: "Hood Basin Supplement" Appendix 2 page 18).

ODFW will also coordinate with OWRD instream water rights monitoring (635-400-0025). Specifically, ODFW will coordinate with OWRD to develop monitoring plans for instream water rights and to revise the existing Memorandum of Understanding between the Department and WRD to include issues related to instream water rights, such as measuring, monitoring and enforcement of instream water rights.

References:

Thompson, K.E., 1972. Determining stream flows for fish life. Pages 31-50 plus appendices in Proceedings of the Instream Flow Requirement Workshop, March 15-16, 1972, Portland, Oregon. Pacific Northwest River Basins Commission.

SECTION 7: WITHIN A DISTRICT

If the reach is located within an irrigation district or other water district, please provide their contact information.

Irrigation District Name	Address	· · · · · · · · · · · · · · · · · · ·
The Dalles Irrigation District	3503 Olney Rd	
City	State	Zip
The Dalles	OR	97058
Water District Name	Address	
City of The Dalles	1215 West 1 st Str	eet
City	State	Zip
The Dalles	OR	97058
Irrigation District Name	Address	
Chenowith Water PUD	2312 W 8th Stree	t / PO Box 870
City	State	Zip
The Dalles	OR	97058

SECTION 8: REMARKS

Use this space to clarify any information you have provided in the application.

SECTION 9: MAP

WE ARE RETURNING YOUR APPLICATION FOR THE FOLLOWING REASON(S):

	SECTION 1:		 	
<u> </u>				
	Other:		 	



Oregon Water Resources Department Attribute Report

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Longitude:			-121.3080716614	
Buffer (ft):			1320	
Elevation (ft):			785	
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Basin Plan:			2-Wasco	
County:			Wasco	

Basin Plan:2-WascoCounty:WascoWM District:3WM Region:NORTH CENTRAL

WM Region:NORTH CENTRALODFW Region, District:High Desert, Mid-Columbia DistrictIrrigation District AOI:-Irrigation District, Other:-

1 1.11

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fish and aquatic life

Status: Water quality limited not needing a TMDL Action: No 2010 action

North Fork Mill Creek R. Mile: 0 to 3.8 HUC4: 17070105 Pollutant: Temperature Season: NaN Uses: Salmon and trout rearing and migration Status: Cat 4A: Water quality limited, TMDL approved Action: Delisted - TMDL approved

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Gaging Station Data: -	
Sources:	
General	
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OWRD Regions. Oregon Water Resources Department. January 1, 1995.	
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Rules	
Withdrawn Authority Areas. Oregon Water Resources Commission. January 1, 2007.	· · · · · · · · · · · · · · · · · · ·
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ODEQ Groundwater Management Areas (GWMAs). Oregon Department of Environmental Quality. April	21, 2008.
Groundwater Umatilla Municipal Wells 5-mile buffer. Oregon Water Resources Department. June 28, 2012.	• .

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OAR Chapter 690, Division 33 - HUC 10. Oregon Department of Fish & Wildlife. January 1, 2003.

Oregon Water Quality Assessment 2010. This data set was assembled by the Oregon Department of Environmental Quality, Water Quality Division, Standards and Assessments Section. GIS data prepared by the Watershed Management Section, Drinking Water Program.. August 16, 2013.

Deschutes USGS Groundwater Study Area. Water Resources Commission, U.S. Geological Survey (USGS) Water Resources Division (Portland, OR), Oregon Water Resources Department.. January 1, 2001. 1:100,000.

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Oregon State Scenic Waterway areas. Oregon Water Resources Department, Oregon Parks and Recreation Department. January 1, 2007.

Hydrography

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Oregon Water Resources Department Water Availability Analysis

Water Availability Analysis

MILL.CR > COLUMBIA R - AT MOUTH HOOD BASIN Water Availability as of 12/27/2016

Watershed ID #: 70246 (Map) Date: 12/27/2016

Download Data

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Exceedance Level: 50% Time: 1:46 PM

Help

Contact Us

Water Availability

Select any Watershed for Details

Nesting Order	Watershed ID #	Stream Name	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Sto
1	70246	MILL CR> COLUMBIA R- AT MOUTH	Yes	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	No	No	Yes

- -

Limiting Watersheds

Monthly Streamflow in Cubic Feet per Second

Annual Volume at 50% Exceedance in Acre-Feet

Month	Limiting Watershed ID #	Stream Name	Water Available?	Net Water Available
JAN	70246	MILL CR > COLUMBIA R - AT MOUTH	Yes	4.12
FEB	70246	MILL CR > COLUMBIA R - AT MOUTH	Yes	28.50
MAR	70246	MILL CR > COLUMBIA R - AT MOUTH	Yes	32.60
APR	70246	MILL CR > COLUMBIA R - AT MOUTH	Yes	16.70
MAY	70246	MILL CR > COLUMBIA R - AT MOUTH	Yes	0.95
JUN	70246	MILL CR > COLUMBIA R - AT MOUTH	Νο	-7.56
JUL	70246	MILL CR > COLUMBIA R - AT MOUTH	Νο	-1.55

AUG	70246	MILL CR > COLUMBIA R - AT MOUTH	No	-2.59
SEP	70246	MILL CR > COLUMBIA R - AT MOUTH	Yes	2.45
OCT	70246	MILL CR > COLUMBIA R - AT MOUTH	Yes	1.15
NOV	70246	MILL CR > COLUMBIA R - AT MOUTH	No	-7.25
DEC	70246	MILL CR > COLUMBIA R - AT MOUTH	No	-2.04
ANN	70246	MILL CR > COLUMBIA R - AT MOUTH	Yes	5,120.00

Detailed Reports for Watershed ID #70246

MILL CR > COLUMBIA R - AT MOUTH HOOD BASIN Water Availability as of 12/27/2016

Watershed ID #: 70246 (Map) Date: 12/27/2016 Exceedance Level: 50% Time: 1:46 PM

Water Availability Calculation

Monthly Streamflow in Cubic Feet per Second Annual Volume at 50% Exceedance in Acre-Feet

Month	Natural Stream Flow	Consumptive Uses and Storages	Expected Stream Flow	Reserved Stream Flow	Instream Flow Requirement	Net Water Available
JAN	25.80	6.68	19.10	0.00	15.00	4.12
FEB	61.00	17.50	43.50	0.00	15.00	28.50
MAR	65.10	17.50	47.60	0.00	15.00	32.60
APR	45.30	13.60	31.70	0.00	15.00	16.70
MAY	25.50	9.55	15.90	0.00	15.00	0.95
JUN	15.40	7.96	7.44	0.00	15.00	-7.56
JUL	12.60	4.15	8.45	0.00	10.00	-1.55
AUG	10.70	3.29	7.41	0.00	10.00	-2.59
SEP	9.72	3.27	6.45	0.00	4.00	2.45
OCT	8.43	3.28	5.15	0.00	4.00	1.15
NOV	10.30	2.55	7.75	0.00	15.00	-7.25
DEC	15.80	2.84	13.00	0.00	15.00	-2.04
ANN	18,300.00	5,520.00	12,800.00	0.00	8,920.00	5,120.00

Detailed Report of Consumptive Uses and Storage

Consumptive Uses and Storages in Cubic Feet per Second

Month	Storage	Irrigation	Municipal	Industrial	Commercial	Domestic	Agricultural	Other	Total
JAN	4.67	0.00	2.00	0.00	0.00	0.01	0.00	0.00	6.68
FEB	15.50	0.00	2.00	0.00	0.00	0.01	0.00	0.00	17.50
MAR	15.50	0.00	2.00	0.00	0.00	0.01	0.00	0.00	17.50
APR	9.33	2.26	2.00	0.00	0.00	0.01	0.00	0.00	13.60
MAY	1.33	6.21	2.00	0.00	0.00	0.01	0.00	0.00	9.55
JUN	0.81	5.14	2.00	0.00	0.00	0.01	0.00	0.00	7.96
JUL	0.66	1.48	2.00	0.00	0.00	0.01	0.00	0.00	4.15
AUG	0.56	0.72	2.00	0.00	0.00	0.01	0.00	0.00	3.29
SEP	0.51	0.75	2.00	0.00	0.00	0.01	0.00	0.00	3.27
OCT	1.27	0.00	2.00	0.00	0.00	0.01	0.00	0.00	3.28
NOV	0.54	0.00	2.00	0.00	0.00	0.01	0.00	0.00	2.55
DEC	0.83	0.00	2.00	0.00	0.00	0.01	0.00	0.00	2.84

:

Detailed Report of Reservations for Storage and Consumptive Uses

Reserved Streamflow in Cubic Feet per Second

No reservations were found for this watershed.

Detailed Report of Instream Flow Requirements

Instream Flow Requirements in Cubic Feet per Second

Application #	Status	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
MF194A	CERTIFICATE	15.00	15.00	15.00	15.00	15.00	15.00	10.00	10.00	4.00	4.00	15.00	15.00
IS70246A	CERTIFICATE	4.00	4.00	10.00	15.00	15.00	15.00	10.00	10.00	4.00	4.00	4.00	4.00
Maximum		15.00	15.00	15.00	15.00	15.00	15.00	10.00	10.00	4.00	4.00	15.00	15.00

Mailing List for Proposed Certificate

Application: S-61214

Permit: S-46733

Certificate:

Permit/Certificate Holder:

ANN ELLIS RACEY SUZAN ELLIS JONES KEITH L JONES KERRY A JONES 24121 CLARKS CREEK RD BRIDGEPORT OR 97819

ART LACEY 3167 GOODRICH RD CAMBRIDGE ID 83610

THREE VALLEYS RANCH, LLC 5365 BREWSTER RD OAKLAND TOWNSHIP MI 48306

Copies of Final Certificate to be sent to:

- 1. Watermaster District #: 8
- 2. Data Center (include copy of map)
- 3. Water Availability
- 4. Vault
- 5. File

Other persons to receive copies: (include map):

- 1. ROBERT D BAGETT, CWRE, ROBERT D BAGETT
- CURRENT LANDOWNERS TAXLOT 12S41 2400; 3100; 3500 ELLIOTT RANCHES INC 22047 PIONEER LN BRIDGEPORT OR 97819
- CURRENT LANDOWNER TAXLOT 12S41 2800 ELIZABETH MURRELL PO BOX 141 BAKER CITY OR 97814

Co	opies Mailed	
by: _	(STAFF)	-
on: _	(DATE)	-

BUREAU OF LAND MANAGEMENT VALE DISTRICT 100 OREGON ST VALE OR 97918

WESTERN MINE DEVELOPMENT, LLC PO BOX 428 LONG CREEK OR 97856

ROBERT HEARST 8516 NE BOTHELL WAY BOTHELL WA 98011





Water Resources Department 725 Summer St NE, Suite A Salem, OR 97301 (503) 986-0900 Fax (503) 986-0904

DATE MAILED:

NOTICE

Reference: Application S-61214 Permit S-46733

Enclosed is a <u>proposed certificate</u> of water right and map. The map and proposed certificate represent the extent water was used within the terms of the permit based upon Claims of Beneficial Use, prepared by a Certified Water Right Examiner, that either you or a previous permit holder submitted.

The certificate is the final step in the water right process. The Department encourages you to review this proposal. If you do not agree with the proposed certificate, Oregon Administrative Rule 690-330-010 (2) allows the permittee or landowner 60 days from the mailing date of this notice to request the Department to reconsider the contents of the proposed certificate.

If you agree with the proposed certificate, no response to this notice is required. Sometime after comment period, the recorded certificate of water right will be mailed to the permit holder of record.

If your name is not listed on the proposed certificate, and you are the current landowner, and would like to have the final certificate issued in your name, you may apply through the Department to have the permit assigned to you. If you have any questions about the assignment process, please contact Jerry Sauter at 503-986-0817.

If you have any other questions please contact Jessica Joye at 503-986-0814.

Sincerely,

Dwight French Water Right Services Administrator