



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

SECTION 1: ORGANIZATION INFORMATION AND SIGNATURE

Organization Information

NAME OREGON DEPT. OF FISH AND WILDLIFE		PHONE 503-947-6000	FAX 503-947-6202
ADDRESS 4034 FAIRVIEW INDUSTRIAL DR. SE		CELL	
CITY SALEM	STATE OR	ZIP 97302-1142	E-MAIL *

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

AGENT / BUSINESS NAME ANNA PAKENHAM STEVENSON / OREGON DEPT. OF FISH AND WILDLIFE		PHONE 503-947-6084	FAX 503-947-6202
ADDRESS 4034 FAIRVIEW INDUSTRIAL DR. SE		CELL	
CITY SALEM	STATE OR	ZIP 97302-1142	E-MAIL * ANNA.P.STEVENSON@STATE.OR.US

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

Anna Pakenham Stevenson
Water Program Manager

12/1/16

Applicant Signature

Print Name and Title

Date

Applicant Signature

Print Name and Title

Date

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: October 17 2016

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.

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SECTION 4: SOURCE AND REACH

Stream or lake name: Green Point Creek

Tributary to: West Fork Hood 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 Green Point Creek, tributary to West Fork Hood River, river mile 0.0 in the SENW quarter of Section 12, Township 1 N, Range 9 E W.M. in Hood River County (45.5873, -121.6439), and continuing upstream to the confluence of Green Point Creek and Long Branch Creek, river mile 3.1 in the NWNE quarter of Section 9, Township 1 N, Range 9 E W.M. in Hood River County (45.5914, -121.6987).

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
90	120	120	120	120	120	50	80	80	80	120	120	CFS

If this is a multi-agency request, 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 each category of public use.

USE	J	F	M	A	M	J	J	A	S	O	N	D	
													☐ CFS ☐ AF ☐ LE
													☐ CFS ☐ AF ☐ LE

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SECTION 6: DATA, METHODS, AND COMPLIANCE

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

ODFW relied on an IFIM/PHABSIM study to determine the requested amounts (Hood River Tributaries Instream Flow Study, Normandeau Associates 2014. See attached). This method quantifies physical habitat at different streamflow rates for all life stages of fish, based on stream hydraulics (Bovee et al 1998; Bovee 1997; Bovee 1982). It typically requires measurements at one to three flows, and uses hydraulic simulation to predict habitat over a wide range of flows. Results are tabulated for spawning and incubation, fry, juvenile and adult rearing, and passage flows. Criteria for spawning, rearing, and incubation include depth, velocity, substrate and cover. Fish passage is based on depth and velocity only.

ODFW used the habitat vs. flow relationships produced by this study to derive recommended flows in Green Point Creek. ODFW used the habitat vs. flow relationships for appropriate species and life stages to recommend flow levels specifically designed to meet the seasonal biological requirements of important fish species in Green Point Creek. These recommended flows were used in this instream water right application. The desired flow levels are determined by examining habitat vs. flow over the range of flows simulated, for each species and life stage according to the appropriate time periods.

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.

The methodology used in the study was IFIM/PHABSIM (Hood River Tributaries Instream Flow Study, Normandeau Associates 2014. See attached). As such, it conformed to the procedures laid out in the agency's rules- Determination of Instream Flow Measurement Methodologies, Oregon Administrative Rules Division 400, 635-400-0015. Specifically, the studies on Green Point Creek used IFIM/PHABSIM to produce a relationship between physical habitat and flow. ODFW is satisfied that correct field and computer procedures were followed to produce the results (Bovee et al 1998; Bovee 1997; Bovee 1982). ODFW examined and interpreted the results of the study to determine the requested flows.

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:

- Bovee, K.D., B.L. Lamb, J.M. Bartholow, C.B. Stalnaker, J. Taylor, and J. Henriksen. 1998. Stream habitat analysis using the Instream Flow Incremental Methodology. U.S. Geological Survey, Biological Resources Division Information and Technology Report USGS/BRD-1998- 0004. viii+131 pp. <https://www.fort.usgs.gov/publication/3910>
- Bovee, K.D. 1997. Dave collection procedures for the Physical Habitat Simulation System. . U.S. Geological Survey, Biological Resources Division Information and Technology Draft Report USGS/BRD-1997- 146pp. <https://www.fort.usgs.gov/sites/default/files/products/publications/20002/20002.pdf>
- Bovee, K.D. 1982. A guide to stream habitat analysis using the instream flow incremental methodology. Instream Flow Information Paper 12. U.S. Fish and Wildlife Service FWS/OBS-82/26. 248 pp. <http://www.arlis.org/docs/vol1/Susitna/1/APA193.pdf>

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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 Dee Irrigation District	Address 4835 Oleary Rd	
City Hood River	State OR	Zip 97031

SECTION 8: REMARKS

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

SECTION 9: MAP

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

- ☐ SECTION 1: _____
- ☐ SECTION 2: _____
- ☐ SECTION 3: _____
- ☐ SECTION 4: _____
- ☐ SECTION 5: _____
- ☐ SECTION 6: _____
- ☐ SECTION 7: _____
- ☐ SECTION 8: _____
- ☐ SECTION 9: _____
- ☐ Other: _____

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Water Availability Analysis

GREEN POINT CR > W FK HOOD R - AT MOUTH

HOOD BASIN

Water Availability as of 12/27/2016

Watershed ID #: 30410506 [\(Map\)](#)

Date: 12/27/2016

[Download Data](#)

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Exceedance Level: 50%

Time: 11:30 AM

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	192	HOOD R> COLUMBIA R- AT MOUTH	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
2	30410575	HOOD R> COLUMBIA R- AT RM 0.75	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes
3	72076	W FK HOOD R> HOOD R- AT MOUTH	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	Yes
4	30410506	GREEN POINT CR> W FK HOOD R- AT MOUTH	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	Yes	Yes	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	30410506	GREEN POINT CR > W FK HOOD R - AT MOUTH	Yes	92.10
FEB	30410506	GREEN POINT CR > W FK HOOD R - AT MOUTH	Yes	108.00
MAR	30410506	GREEN POINT CR > W FK HOOD R - AT MOUTH	Yes	105.00
APR	30410506	GREEN POINT CR > W FK HOOD R - AT MOUTH	Yes	120.00

MAY	30410506	GREEN POINT CR > W FK HOOD R - AT MOUTH	Yes	122.00
JUN	30410575	HOOD R > COLUMBIA R - AT RM 0.75	No	-29.70
JUL	30410575	HOOD R > COLUMBIA R - AT RM 0.75	No	-292.00
AUG	30410575	HOOD R > COLUMBIA R - AT RM 0.75	No	-430.00
SEP	30410575	HOOD R > COLUMBIA R - AT RM 0.75	No	-407.00
OCT	30410575	HOOD R > COLUMBIA R - AT RM 0.75	No	-295.00
NOV	30410506	GREEN POINT CR > W FK HOOD R - AT MOUTH	Yes	63.80
DEC	30410506	GREEN POINT CR > W FK HOOD R - AT MOUTH	Yes	86.20
ANN	30410506	GREEN POINT CR > W FK HOOD R - AT MOUTH	Yes	41,900.00

Detailed Reports for Watershed ID #192

HOOD R > COLUMBIA R - AT MOUTH
HOOD BASIN

Water Availability as of 12/27/2016

Watershed ID #: 192 (Map)
Date: 12/27/2016

Exceedance Level: 50%
Time: 11:30 AM

Water Availability Calculation

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

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Month	Natural Stream Flow	Consumptive Uses and Storages	Expected Stream Flow	Reserved Stream Flow	Instream Flow Requirement	Net Water Available
JAN	1,260.00	74.30	1,190.00	184.00	170.00	832.00
FEB	1,380.00	77.40	1,300.00	205.00	270.00	828.00
MAR	1,300.00	76.60	1,220.00	183.00	270.00	771.00
APR	1,320.00	125.00	1,200.00	117.00	270.00	808.00
MAY	1,310.00	195.00	1,120.00	111.00	250.00	754.00
JUN	1,040.00	240.00	800.00	79.30	250.00	470.00
JUL	739.00	281.00	458.00	0.00	250.00	208.00
AUG	559.00	239.00	320.00	0.00	250.00	70.40
SEP	511.00	168.00	343.00	0.00	250.00	93.30
OCT	517.00	69.90	447.00	22.20	220.00	205.00
NOV	870.00	71.40	799.00	43.60	100.00	655.00
DEC	1,160.00	73.00	1,090.00	122.00	170.00	795.00
ANN	721,000.00	102,000.00	619,000.00	64,000.00	164,000.00	391,000.00

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	1.87	0.00	37.10	2.96	0.23	2.16	29.40	0.64	74.30
FEB	2.34	0.00	39.80	2.96	0.23	2.16	29.40	0.64	77.40
MAR	2.47	0.00	38.80	2.96	0.23	2.16	29.40	0.64	76.60
APR	2.27	48.80	38.30	2.96	0.06	2.16	29.40	0.64	125.00
MAY	0.12	114.00	45.20	2.96	0.06	2.16	29.40	0.64	195.00
JUN	0.09	157.00	48.10	2.96	0.06	2.16	29.40	0.64	240.00
JUL	0.06	205.00	40.30	2.96	0.06	2.16	29.40	0.64	281.00
AUG	0.05	167.00	36.50	2.96	0.06	2.16	29.40	0.64	239.00
SEP	0.04	96.80	35.60	2.96	0.06	2.16	29.40	0.64	168.00
OCT	0.05	0.15	34.50	2.96	0.06	2.16	29.40	0.64	69.90
NOV	1.33	0.00	34.90	2.96	0.06	2.16	29.40	0.64	71.40
DEC	1.74	0.00	36.10	2.96	0.06	2.16	29.40	0.64	73.00

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Detailed Report of Reservations for Storage and Consumptive Uses

Reserved Streamflow in Cubic Feet per Second												
Application #	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
RN80401A	39.50	43.00	36.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.60
RN80402A	130.00	136.00	122.00	104.00	111.00	79.30	0.00	0.00	0.00	22.20	41.60	86.10
RN80403A	14.80	25.50	24.30	13.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	4.44
Total	184.30	204.50	182.30	117.18	111.00	79.30	0.00	0.00	0.00	22.20	43.61	122.14

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
MF191A	CERTIFICATE	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00
MF192A	CERTIFICATE	170.00	270.00	270.00	270.00	170.00	170.00	130.00	100.00	100.00	100.00	100.00	170.00
IS83969A	CERTIFICATE	0.00	0.00	0.00	0.00	250.00	250.00	250.00	250.00	250.00	220.00	0.00	0.00
Maximum		170.00	270.00	270.00	270.00	250.00	250.00	250.00	250.00	250.00	220.00	100.00	170.00

Detailed Reports for Watershed ID #30410575

HOOD R > COLUMBIA R - AT RM 0.75
HOOD BASIN

Water Availability as of 12/27/2016

Watershed ID #: 30410575 (Map)
Date: 12/27/2016

Exceedance Level: 50%
Time: 11:30 AM

Water Availability Calculation

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

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Month	Natural Stream Flow	Consumptive Uses and Storages	Expected Stream Flow	Reserved Stream Flow	Instream Flow Requirement	Net Water Available
JAN	1,260.00	—	574.00	686.00	184.00	332.00
FEB	1,380.00		577.00	803.00	205.00	328.00
MAR	1,300.00		577.00	723.00	183.00	271.00
APR	1,320.00		625.00	695.00	117.00	308.00
MAY	1,310.00		695.00	615.00	111.00	254.00
JUN	1,040.00		740.00	300.00	79.30	-29.70
JUL	739.00		781.00	-42.00	0.00	-292.00
AUG	559.00		739.00	-180.00	0.00	-430.00
SEP	511.00		668.00	-157.00	0.00	-407.00
OCT	517.00		570.00	-52.90	22.20	-295.00
NOV	870.00		571.00	299.00	43.60	155.00
DEC	1,160.00		573.00	587.00	122.00	295.00
ANN	721,000.00	464,000.00	283,000.00	64,000.00	164,000.00	117,000.00

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	1.84	—0.00	37.10	2.96	0.23	2.16	29.40	501.00	574.00
FEB	2.30	0.00	39.80	2.96	0.23	2.16	29.40	501.00	577.00
MAR	2.44	0.00	38.80	2.96	0.23	2.16	29.40	501.00	577.00
APR	2.27	48.80	38.30	2.96	0.06	2.16	29.40	501.00	625.00
MAY	0.12	114.00	45.20	2.96	0.06	2.16	29.40	501.00	695.00
JUN	0.09	157.00	48.10	2.96	0.06	2.16	29.40	501.00	740.00
JUL	0.06	205.00	40.30	2.96	0.06	2.16	29.40	501.00	781.00
AUG	0.05	167.00	36.50	2.96	0.06	2.16	29.40	501.00	739.00
SEP	0.04	96.80	35.60	2.96	0.06	2.16	29.40	501.00	668.00
OCT	0.04	0.15	34.50	2.96	0.06	2.16	29.40	501.00	570.00
NOV	1.30	0.00	34.90	2.96	0.06	2.16	29.40	501.00	571.00
DEC	1.71	0.00	36.10	2.96	0.06	2.16	29.40	501.00	573.00

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Detailed Report of Reservations for Storage and Consumptive Uses

Reserved Streamflow in Cubic Feet per Second												
Application #	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
RN80401A	39.50	43.00	36.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.60
RN80402A	130.00	136.00	122.00	104.00	111.00	79.30	0.00	0.00	0.00	22.20	41.60	86.10
RN80403A	14.80	25.50	24.30	13.00	0.00	0.00	0.00	0.00	0.00	0.00	2.01	4.44
Total	184.30	204.50	182.30	117.18	111.00	79.30	0.00	0.00	0.00	22.20	43.61	122.14

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
MF191B	CERTIFICATE	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00	45.00
MF192B	CERTIFICATE	170.00	270.00	270.00	270.00	170.00	170.00	130.00	100.00	100.00	100.00	100.00	170.00
IS83969B	CERTIFICATE	0.00	0.00	0.00	0.00	250.00	250.00	250.00	250.00	250.00	220.00	0.00	0.00
Maximum		170.00	270.00	270.00	270.00	250.00	250.00	250.00	250.00	250.00	220.00	100.00	170.00

Detailed Reports for Watershed ID #72076

W FK HOOD R > HOOD R - AT MOUTH
HOOD BASIN

Water Availability as of 12/27/2016

Watershed ID #: 72076 (Map)
Date: 12/27/2016

Exceedance Level: 50%
Time: 11:30 AM

Water Availability Calculation

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

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Month	Natural Stream Flow	Consumptive Uses and Storages	Expected Stream Flow	Reserved Stream Flow	Instream Flow Requirement	Net Water Available	
JAN	603.00	—	25.80	577.00	39.50	150.00	388.00
FEB	643.00		26.00	617.00	43.00	150.00	424.00
MAR	608.00		27.30	581.00	36.00	150.00	395.00
APR	665.00		40.20	625.00	0.18	255.00	370.00
MAY	621.00		46.90	574.00	0.00	255.00	319.00
JUN	401.00		53.20	348.00	0.00	255.00	92.80
JUL	244.00		62.10	182.00	0.00	150.00	31.90
AUG	184.00		54.10	130.00	0.00	180.00	-50.10
SEP	177.00		44.30	133.00	0.00	176.00	-43.30
OCT	197.00		31.10	166.00	0.00	195.00	-29.10
NOV	465.00		25.40	440.00	0.00	255.00	185.00
DEC	597.00		25.70	571.00	31.60	180.00	360.00
ANN	325,000.00		27,900.00	298,000.00	9,000.00	142,000.00	154,000.00

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	1.31	0.00	22.50	0.00	0.00	0.01	1.45	0.50	25.80
FEB	1.52	0.00	22.50	0.00	0.00	0.01	1.45	0.50	26.00
MAR	1.48	1.33	22.50	0.00	0.00	0.01	1.45	0.50	27.30
APR	1.71	14.10	22.50	0.00	0.00	0.01	1.45	0.50	40.20
MAY	0.00	22.50	22.50	0.00	0.00	0.01	1.45	0.50	46.90
JUN	0.00	28.80	22.50	0.00	0.00	0.01	1.45	0.50	53.20
JUL	0.00	37.60	22.50	0.00	0.00	0.01	1.45	0.50	62.10
AUG	0.00	29.70	22.50	0.00	0.00	0.01	1.45	0.50	54.10
SEP	0.00	19.80	22.50	0.00	0.00	0.01	1.45	0.50	44.30
OCT	0.00	6.65	22.50	0.00	0.00	0.01	1.45	0.50	31.10
NOV	0.91	0.00	22.50	0.00	0.00	0.01	1.45	0.50	25.40
DEC	1.22	0.00	22.50	0.00	0.00	0.01	1.45	0.50	25.70

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Detailed Report of Reservations for Storage and Consumptive Uses

Reserved Streamflow in Cubic Feet per Second												
Application #	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
RN80401A	39.50	43.00	36.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.60
Total	39.50	43.00	36.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.60

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
MF196A	CERTIFICATE	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
IS72076A	CERTIFICATE	150.00	150.00	150.00	255.00	255.00	255.00	150.00	180.00	176.00	195.00	255.00	180.00
Maximum		150.00	150.00	150.00	255.00	255.00	255.00	150.00	180.00	176.00	195.00	255.00	180.00

Detailed Reports for Watershed ID #30410506

GREEN POINT CR > W FK HOOD R - AT MOUTH
HOOD BASIN

Water Availability as of 12/27/2016

Watershed ID #: 30410506 (Map)

Date: 12/27/2016

Exceedance Level: 50%

Time: 11:30 AM

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	93.90		1.82	92.10	0.00	92.10
FEB	110.00		2.04	108.00	0.00	108.00
MAR	107.00		2.19	105.00	0.00	105.00

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APR	124.00	4.11	120.00	0.00	0.00	120.00
MAY	125.00	3.39	122.00	0.00	0.00	122.00
JUN	64.70	4.13	60.60	0.00	0.00	60.60
JUL	26.80	5.25	21.60	0.00	0.00	21.60
AUG	16.50	4.22	12.30	0.00	0.00	12.30
SEP	16.20	3.06	13.10	0.00	0.00	13.10
OCT	29.00	1.51	27.50	0.00	0.00	27.50
NOV	65.20	1.42	63.80	0.00	0.00	63.80
DEC	87.90	1.73	86.20	0.00	0.00	86.20
ANN	52,100.00	2,110.00	50,000.00	0.00	0.00	50,000.00

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	1.31	0.00	0.00	0.00	0.00	0.00	0.51	0.00	1.82
FEB	1.52	0.00	0.00	0.00	0.00	0.00	0.51	0.00	2.04
MAR	1.48	0.20	0.00	0.00	0.00	0.00	0.51	0.00	2.19
APR	1.71	1.89	0.00	0.00	0.00	0.00	0.51	0.00	4.11
MAY	0.00	2.88	0.00	0.00	0.00	0.00	0.51	0.00	3.39
JUN	0.00	3.62	0.00	0.00	0.00	0.00	0.51	0.00	4.13
JUL	0.00	4.74	0.00	0.00	0.00	0.00	0.51	0.00	5.25
AUG	0.00	3.71	0.00	0.00	0.00	0.00	0.51	0.00	4.22
SEP	0.00	2.55	0.00	0.00	0.00	0.00	0.51	0.00	3.06
OCT	0.00	1.00	0.00	0.00	0.00	0.00	0.51	0.00	1.51
NOV	0.91	0.00	0.00	0.00	0.00	0.00	0.51	0.00	1.42
DEC	1.22	0.00	0.00	0.00	0.00	0.00	0.51	0.00	1.73

Detailed Report of Reservations for Storage and Consumptive Uses

Reserved Streamflow in Cubic Feet per Second

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No reservations were found for this watershed.

Detailed Report of Instream Flow Requirements

Instream Flow Requirements in Cubic Feet per Second

No instream flow requirements were found for this watershed.

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**Oregon Water Resources Department
Attribute Report**

Report Date: Dec 27, 2016

General:

TRSQQ:	WM1.00N9.00E9SE WM1.00N9.00E9NENW WM1.00N9.00E9NENE WM1.00N9.00E4SESE WM1.00N9.00E9SWNE WM1.00N9.00E9NWNE WM1.00N9.00E4SWSE WM1.00N9.00E4SESW
DLC:	-
Latitude:	45.5913909514
Longitude:	-121.6987838501
Buffer (ft):	1320
Elevation (ft):	1818
Basin Name:	Hood
Basin Plan:	1-Hood River
County:	Hood River
WM District:	3
WM Region:	NORTH CENTRAL
ODFW Region, District:	High Desert, Mid-Columbia District
Irrigation District AOI:	-
Irrigation District, Other:	-
Dams (Permit):	-

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Water Rights:	<u>Platcard for WM1.00N9.00E9</u> <u>Platcard for WM1.00N9.00E9</u> <u>Platcard for WM1.00N9.00E9</u> <u>Platcard for WM1.00N9.00E4</u> <u>Platcard for WM1.00N9.00E9</u> <u>Platcard for WM1.00N9.00E9</u> <u>Platcard for WM1.00N9.00E4</u> <u>Platcard for WM1.00N9.00E4</u>
Well Logs:	<u>Logs for WM1.00N9.00E9</u> <u>Logs for WM1.00N9.00E9</u> <u>Logs for WM1.00N9.00E9</u> <u>Logs for WM1.00N9.00E4</u> <u>Logs for WM1.00N9.00E9</u> <u>Logs for WM1.00N9.00E9</u> <u>Logs for WM1.00N9.00E4</u> <u>Logs for WM1.00N9.00E4</u>

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Rules:

Withdrawn Authority:	-
Groundwater Retricted:	-
GW Retricted Subunit:	-
GW ODEQ Management Area:	-
GW Umatilla Muni Wells (5mile):	-
Rule 4D:	Rules apply
Division 33 (Area, Watershed, species):	UPPER COLUMBIA, West Fork Hood River, Coho Salmon, Chinook Salmon, Coastal Cutthroat Trout, Steelhead, Redband Trout
Water Quality Limited Pollutant:	-
Is in Deschutes Study Area:	-
Deschutes Zone Impact:	-

Deschutes Zone Overlay:	-
Scenic Water Way:	-

Hydrography:

OWRD Streamcode:	04174001400040050 - Long Branch Cr 04174001400040 - Green Point Cr
Waterbody Name:	-
HUC 10:	1707010506
HUC Watershed:	West Fork Hood River
WAB Wshed Order:	7
WAB Analysis:	GREEN POINT CR > W FK HOOD R - AT MOUTH
Streamflow:	OWRD Opportunities: Good ODFW Needs: High Combined Priority: Priority
Gaging Station Data:	-

Sources:

General
<i>Oregon Public Land Survey Quarter-quarters.</i> Bureau of Land Management, Oregon Water Resources Department. n.d. 1:24,000.
<i>Donated Land Claims.</i> Oregon Water Resources Department. January 1, 1995. 1:100,000.
<i>Elevation.</i> ESRI World Elevation. February 2000. 1:121,000.
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<i>Oregon Counties.</i> Bureau of Land Management (BLM), Oregon State Office. January 1, 2008.
<i>OWRD Watermaster Districts.</i> Oregon Water Resources Department. March 31, 2014.

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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.

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. Unknown. n.d.

Watershed Boundary Dataset (WBD), 10-digit (watershed). Pacific Northwest Hydrography Framework, U.S. Geological Survey (USGS), National Resources Conservation Service (NRCS).. June 11, 2014. 1:24,000.

Water Availability Basins. Oregon Water Resources Department.. n.d. 1:100,000.

Priority Watersheds for Streamflow Restoration. Oregon Water Resources Dept. and the Oregon Dept. of Fish & Wildlife.. January 15, 2004.

Stream Gage Stations. Oregon Water Resources Department and US Geological Survey. n.d.

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