

ORS 537.409 ALTERNATE RESERVOIR WORKSHEET

FILE #: R-87513
WM DIST: 20
REGION: WR
WID #: 2 - 181
PUBLIC NOTICE: 9/1/2009

Land Use complete Yes No NA

Appropriate Fees Yes No, need: _____
(\$80 base, \$20 per af) OR (\$300 base, \$25 per af, & \$400 recording)

300
25 * 16 = 400
700 even ✓
400 record ✓

Secondary app necessary Yes, App S- _____ No

Stream withdrawn Yes No

SWW In (may not be allowed) Out or Above

Mail forms to appropriate Interagency Review Team members. Mailed on September 15, 2009

ODFW Contact: Danette Faucera

DEQ Contact: Sally Puent

Watermaster: Sabrina White

If in Umatilla: Confederated Tribes of the Umatilla Indian Reservation, PO Box 638, Pendleton, Oregon 97801

Water available: Year-Round

Allowed season: JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC

Measurement Conditions: Small (≤ 9.2 af) | Medium (> 9.2 , but < 100 af) | Large (≥ 100 af or govt. entity, 537.099)
*use staff gage for runoff

Other Conditions: use fishway if ODFW doesn't request screen/by-pass condition _____

w.m.: nov-jun, functioning inlet to allow flow control _____

odfw: dec-may, wq, riparian, fishdiv 33 _____

Assign permit number R- 14874

Remarks: _____

Completed by **Joel Plahn** on 9/1/2009. Peer review: _____

Point of Diversion Characteristics

Right:	App:R 87513 *
Name:	JOHN CHILDS

TRSQQ: 03.00S-02.00E-27-NWSE Digital Map of TRSQQ

County: Clackamas

Basin: Willamette

WM District: 20

WM Region: NW

Withdrawn Area:

WAB: WILLAMETTE R > COLUMBIA R - AT MOUTH (181)

Priority WAB:

Rule 4D: Rules apply

Groundwater Restricted Area:

Scenic Water Way:

Division 33: LOWER COLUMBIA

Water Quality Limited:

Water Availability Analysis

WILLAMETTE R > COLUMBIA R - AT MOUTH
WILLAMETTE BASIN

Water Availability as of 9/1/2009

Watershed ID #: 181
Date: 9/1/2009

Exceedance Level: 50%
Time: 7:42 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	181	WILLAMETTE R> COLUMBIA R- AT MOUTH	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Limiting Watersheds

Monthly Streamflows in Cubic Feet per Second
Storage at 50% Exceedance in Acre-Feet

Month	Limiting Watershed ID #	Stream Name	Water Available?	Net Water Available
JAN	181	WILLAMETTE R > COLUMBIA R - AT MOUTH	Yes	46,900.00
FEB	181	WILLAMETTE R > COLUMBIA R - AT MOUTH	Yes	39,600.00
MAR	181	WILLAMETTE R > COLUMBIA R - AT MOUTH	Yes	33,300.00
APR	181	WILLAMETTE R > COLUMBIA R - AT MOUTH	Yes	27,700.00
MAY	181	WILLAMETTE R > COLUMBIA R - AT MOUTH	Yes	22,300.00
JUN	181	WILLAMETTE R > COLUMBIA R - AT MOUTH	Yes	11,700.00
JUL	181	WILLAMETTE R > COLUMBIA R - AT MOUTH	Yes	3,930.00
AUG	181	WILLAMETTE R > COLUMBIA R - AT MOUTH	Yes	1,710.00
SEP	181	WILLAMETTE R > COLUMBIA R - AT MOUTH	Yes	2,290.00
OCT	181	WILLAMETTE R > COLUMBIA R - AT MOUTH	Yes	6,140.00
NOV	181	WILLAMETTE R > COLUMBIA R - AT MOUTH	Yes	21,900.00
DEC	181	WILLAMETTE R > COLUMBIA R - AT MOUTH	Yes	49,900.00
STO	181	WILLAMETTE R > COLUMBIA R - AT MOUTH	Yes	16,100,000.00

Detailed Reports for Watershed ID #181

WILLAMETTE R > COLUMBIA R - AT MOUTH
WILLAMETTE BASIN

Water Availability as of 9/1/2009

Watershed ID #: 181
Date: 9/1/2009

Exceedance Level: 50%
Time: 7:42 AM

Water Availability Calculation

Monthly Streamflows in Cubic Feet per Second
Storage 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	51,100.00	2,720.00	48,400.00	0.00	1,500.00	46,900.00
FEB	49,100.00	8,000.00	41,100.00	0.00	1,500.00	39,600.00
MAR	42,400.00	7,570.00	34,800.00	0.00	1,500.00	33,300.00

APR	36,400.00	7,200.00	29,200.00	0.00	1,500.00	27,700.00
MAY	28,300.00	4,460.00	23,800.00	0.00	1,500.00	22,300.00
JUN	15,800.00	2,610.00	13,200.00	0.00	1,500.00	11,700.00
JUL	7,980.00	2,550.00	5,430.00	0.00	1,500.00	3,930.00
AUG	5,530.00	2,320.00	3,210.00	0.00	1,500.00	1,710.00
SEP	5,740.00	1,950.00	3,790.00	0.00	1,500.00	2,290.00
OCT	8,390.00	746.00	7,640.00	0.00	1,500.00	6,140.00
NOV	24,400.00	1,030.00	23,400.00	0.00	1,500.00	21,900.00
DEC	52,800.00	1,380.00	51,400.00	0.00	1,500.00	49,900.00
STO	19,700,000.00	2,550,000.00	17,200,000.00	0.00	1,090,000.00	16,100,000.00

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	1,930.00	0.00	485.00	99.60	9.49	23.80	131.00	43.70	2,720.00
FEB	7,200.00	0.00	485.00	99.60	9.49	23.80	131.00	43.70	8,000.00
MAR	6,770.00	6.41	485.00	99.60	9.48	23.80	131.00	46.80	7,570.00
APR	6,370.00	42.50	485.00	99.60	9.48	23.80	125.00	46.80	7,200.00
MAY	3,430.00	293.00	481.00	99.60	9.33	23.80	93.70	26.20	4,460.00
JUN	442.00	586.00	1,340.00	99.60	9.18	23.80	82.90	24.90	2,610.00
JUL	14.00	993.00	1,340.00	94.30	9.17	23.80	54.30	24.60	2,550.00
AUG	2.03	780.00	1,340.00	94.30	9.17	22.40	52.60	24.50	2,320.00
SEP	0.75	385.00	1,340.00	99.50	9.17	22.40	68.10	24.80	1,950.00
OCT	0.54	27.70	476.00	99.60	9.17	22.40	71.20	38.60	746.00
NOV	262.00	0.00	485.00	99.60	9.47	23.80	110.00	42.10	1,030.00
DEC	584.00	0.00	485.00	99.60	9.49	23.80	132.00	43.70	1,380.00

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
MF181A APPLICATION		1,500.00	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00
Maximum		1,500.00	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00	1,500.00