

Exhibit B - for Part 5 of 5
Instream use proposed to be created by the transfer

Priority 1900
 Instream dates: From April 1 - October 26

Instream Reach 1:

From POD 1 to POD 11 (9.0 ac)	
Season 1 Rate (cfs)	0.062
Season 2 Rate (cfs)	0.082
Season 3 Rate (cfs)	0.153
Max Volume (AF)	49.05

Seasons:

Certificate 83571 / Priority 1900	
Season 1	April 1 to May 1, October 1 through October 26
Season 2	May 1 through May 15, September 16 to October 1
Season 3	May 16 through September 15

Instream Reach 2:

From POD 11 to Lake Billy Chinook at RM 120 (34.35 ac)	
Season 1 Rate (cfs)	0.236
Season 2 Rate (cfs)	0.314
Season 3 Rate (cfs)	0.583
Max Volume (AF)	187.22

Instream Reach 3:

From Lake Billy Chinook to the Madras Gauge (25.0 ac)	
Season 1 Rate (cfs)	0.172
Season 2 Rate (cfs)	0.229
Season 3 Rate (cfs)	0.424
Max Volume (AF)	136.26

Instream Reach 4:

The Madras Gauge to the Mouth of the Deschutes River (25.0 ac)	
Season 1-3 Rate (cfs)	0.109
Max Volume (AF)	45

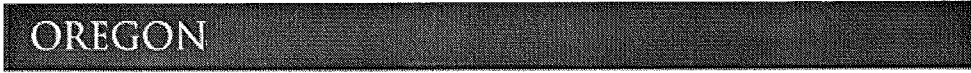
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Water Resources Department

**Central Oregon Irrigation District
Calculator for Certificate 83571**

Revised: 3/9/2009

This calculator is primarily designed to facilitate the calculation of how much water may be protected instream though instream leases and transfers. However, the calculator can also be used to determine the rate and duty associated with other transfers and cancellations. For questions regarding its use, please contact Laura Wilke at 503-986-0884.

Enter Total Number of Acres Involved from POD #1 (CO Canal)

Enter Total Number of Acres Involved from POD #11 (North Canal, also known as PB Canal)

Rate and duty for the acres by which the water right will be reduced by at the Point of Diversion (POD).

POD #1	October 31, 1900	December 2, 1907	Combined
Season 1 Rate (CFS)	0.112		
Season 2 Rate (CFS)	0.149		
Season 3 Rate (CFS)	0.198	0.079	0.277
Duty (AF)			88.80

POD #11	October 31, 1900	December 2, 1907	Combined
Season 1 Rate (CFS)	0.316		
Season 2 Rate (CFS)	0.421		
Season 3 Rate (CFS)	0.557	0.223	0.780
Duty (AF)			250.58

The transmission loss associated with this right is not transferable or protectable instream. The following tables show the amount of water that is protectable for Instream Leases and Instream Transfers, under the October 31, 1900 priority date. (Please contact the Department if you prefer to protect water instream under the combined October 31, 1900 and December 2, 1907 priority dates.) To prevent enlargement and injury, the instream use has been modified from the authorized season of April 1 through October 31, to April 1 through October 26.

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Rate and duty for the acres by which the water right will be reduced by at the Point of Diversion (POD).

POD #1	October 31, 1900	December 2, 1907	Combined
Season 1 Rate (CFS)	0.105		
Season 2 Rate (CFS)	0.142		
Season 3 Rate (CFS)	0.192	0.077	0.269
Duty (AF)			85.73

POD #11	October 31, 1900	December 2, 1907	Combined
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*Instream #s
No Change*

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Rate and duty for the acres by which the water right will be reduced by at the Point of Diversion (POD).

POD #1	October 31, 1900	December 2, 1907	Combined
Season 1 Rate (CFS)	0.000		
Season 2 Rate (CFS)	0.000		
Season 3 Rate (CFS)	0.000	0.000	0.000
Duty (AF)			0.00

POD #11	October 31, 1900	December 2, 1907	Combined
Season 1 Rate (CFS)	0.312		
Season 2 Rate (CFS)	0.416		
Season 3 Rate (CFS)	0.550	0.220	0.770
Duty (AF)			247.12

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POD #11	October 31, 1900	December 2, 1907	Combined
Season 1 Rate (CFS)	0.004		
Season 2 Rate (CFS)	0.006		
Season 3 Rate (CFS)	0.008	0.003	0.011
Duty (AF)			3.46

The transmission loss associated with this right is not transferable or protectable instream. The following tables show the amount of water that is protectable for Instream Leases and Instream Transfers, under the October 31, 1900 priority date. (Please contact the Department if you prefer to protect water instream under the combined October 31, 1900 and December 2, 1907 priority dates.) To prevent enlargement and injury, the instream use has been modified from the authorized season of April 1 through October 31, to April 1 through October 26.

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Maximum Volume (AF)	49.05

From POD #11 to Lake Billy Chinook	
Season 1 Rate (CFS)	0.064
Season 2 Rate (CFS)	0.085
Season 3 Rate (CFS)	0.159
Maximum Volume (AF)	50.96

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Lower D calculator
1.8 AF/acre

Certificate
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Priority
1899/1900

acres

AF/acre
1.8

total AF
45

/ conv
1.983471

total
22.6875

/ days
209

TOTAL cfs - flat rate across season
0.108552636

Inputs

Totals

start	end	days instream
4/1/2010	10/26/2010	209.00
4/1/2010	10/31/2010	214.00

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