

**WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION**

APPLICATION NO./COURT CLAIM NO.		
CS4-00337sb24 (BENT-15-08) S4-83803-J		
APPLICANT NAME John Doeblor	CONTACT NAME Darryll Olsen Benton County WCB	TELEPHONE NO. 509.783.1623
WATER RIGHT HOLDER'S NAME (if different)		EMAIL

DATE OF APPLICATION September 9, 2015	PRIORITY DATE 12-07-1870
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WATER SOURCE: Yakima River - Moxee Slough	CROP: Pasture
INSTANTANEOUS QUANTITY: 0.28 cfs	ANNUAL QUANTITY: 42 afy
PERIOD OF USE: April 1 to October 31	
PLACE OF USE: SE <sup>1</sup> / <sub>4</sub> of Section 15, T. 5 N., R. 23 E.W.M., Klickitat County.	PURPOSE OF USE: Irrigation of up to 35 acres of vineyard (spreading)
IRRIGATION METHOD: Current method = flood irrigation. Method proposed at new POU = "...vineyard production, where high efficiency water application measures are being used consistent with the CSRIA Best Management Practices (CSRIA.org) and the irrigation scheduling and monitoring practices designated within the CSRIA Conservation O&M Program. These management practices have been approved by the Water Board and the Benton-Franklin County Conservation Districts." This has also been described as 100% consumptive drip irrigation for similar BCWCB projects.	

CONSUMPTIVE USE CALCULATION: The ACQ analysis applied to the water right is per the "Benton-Franklin County Water Conservancy Board ACQ Methodology, 2004." For flood irrigation, the BCWCB uses 95% "consumptive efficiency" for their calculation. The following is a summary of the BCWCB ACQ calculation: <ul style="list-style-type: none"> <li>Based on WSU Agrimet data, the average for the two highest of the last five years of water duties for pasture, is 39.6 inches or 3.3 ac-ft/ac.</li> </ul>
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- By applying 95% “consumptive efficiency” to 3.3 ac-ft/ac, the Board arrives at a water duty of 3.5 ac-ft/ac (transpiration + evaporation resulting from application).
- 3.5 ac-ft/ac was used consumptively to irrigate 12 out of 14 acres at the current POU, for a total of 42 ac-ft of water eligible for transfer. 42 ac-ft represents a 50% reduction in the Qa.

NARRATIVE DESCRIPTION OF PROJECT:

The project proposes to fallow 14 acres of pasture and discontinue watering stock on the current place of use in Moxee, Yakima County. Stock will continue to be watered from an existing exempt well. Water will be left instream (in the slough) and withdrawn downstream at an existing pumping station on the Columbia River in Benton County. Water will be pumped from Benton County to the proposed place of use in Klickitat County, where it will be used to irrigate up to 35 acres of vineyard. Ecology has advised the Board that the transferred water will need to be put into trust for instream flow from the current POD in Yakima County to the proposed POD in Benton County, so that the water will be protected from withdrawal at intervening diversions and accounted for at the Parker and Prosser gages.

Additional explanation per conversation with Trevor Hutton:

- The BCWCB has used this ACQ method successfully in the past. Trevor has tested the method and found it to be acceptable, as it is based on empirical data for crop use and arrives at similar results to the method provided in Ecology’s guidance.
- Because the BCWCB ACQ method only accounts for the consumptive use associated with growing pasture, the water previously used for watering stock is not being transferred, and the stockwater purpose of use will be dropped. Stock on the property will continue to be watered from an existing exempt well, consistent with 90.44.050 RCW, and there should be no net effect on TWSA.

CLAIMANT NAME:

John Doebler

COURT CLAIM NO. 00337

Certificate Number:

S4-83803-J

Subbasin:

24 Moxee

Source:

Moxee Slough

Use:

Irrigation of 14 acres and stock water

Period of Use:

April 1 through October 31

Quantity:

0.28 cubic foot per second; 84 acre-feet per year

Priority Date:

December 7, 1870

Point of Diversion:

(1) 1300 feet south and 100 feet west of the center of Section 4, being within the SE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$  of Section 4, T. 12 N., R. 19 E.W.M.

(2) 900 feet south and 250 feet west of the center of Section 4, being within the SE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$  of Section 4, T. 12 N., R. 19 E.W.M.

(3) 400 feet south and 300 feet west of the center of Section 4, being within the NE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$  of Section 4, T. 12 N., R. 19 E.W.M.

(4) 30 feet north and 300 feet west from the center of Section 4, being within the SE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$  of Section 4, T. 12 N., R. 19 E.W.M.

Place of Use:

Lot 2 of Short Plat 79-14 Book "N" Page 57 of Short Plats of Yakima County, Auditor's File No. 2489069 being a portion of the E $\frac{1}{2}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$  of Section 4, T. 12 N., R. 19 E.W.M.

Doebler Property within the Moxee Slough Area:

