

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral Request No. G4-35664 with mitigation from Trust Water Right No. CS4-01676sb5d@3		
APPLICANT NAME Thomas & Deborah Willette	CONTACT NAME Jill Van Hulle	TELEPHONE NO. 360-413-1510
WATER RIGHT HOLDER'S NAME (if different) Mitigation with Clennon Trust Water Right		EMAIL jill@pgwg.com

DATE OF APPLICATION December 6, 2013	PRIORITY DATE
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WATER SOURCE: groundwater	CROP: Lawn or noncommercial garden
INSTANTANEOUS QUANTITY:	ANNUAL QUANTITY: 0.635 acre-ft/yr
PERIOD OF USE: Continuous for single indoor domestic connection and irrigation season for lawn and garden	
PLACE OF USE: Parcel No. 14774, located within the NE¼NW¼ of Section 32, T. 20 N., R. 16 E.W.M.	PURPOSE OF USE: Single domestic and Irrigation of 4,000 ft ² lawn or garden

<p>CONSUMPTIVE USE CALCULATION:</p> <p>Indoor use: One residential connection at 350 gallons per day (gpd) used continuously year round equates to 0.392 afy of water use, or: (350 gpd per connection) x (365 days) x (one connection) x (1.0 ac-ft/325,851 gal) = 0.392 afy Consistent with WAC 173-539A-050(3), 30% of domestic in-house use on a septic system is consumptively used, therefore: Indoor consumptive use = (0.392 afy) x (0.30) = 0.118 afy</p> <p>Outdoor use: The requestor proposes to irrigate 4,000 ft² of lawn and garden. Using a crop irrigation requirement consistent with the methodology used to calculate the Trust Water Right quantities, the outdoor total and consumptive use is as follows: Outdoor total use = $[(2.12 \text{ ft/yr}) \div 0.80] \times (4,000 \text{ ft}^2 \div 43,560 \text{ ft}^2/\text{ac}) = \mathbf{0.243 \text{ afy}}$ Consistent with WAC 173-539A-050(3), 90% of outdoor use is consumptively used, so: Outdoor consumptive use = (0.243 afy) x (0.90) = 0.219 afy Total Use = 0.635 afy Consumptive Use = 0.336 afy</p>
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<p>NARRATIVE DESCRIPTION OF PROJECT:</p> <p>The Willette property is located in the main stem Yakima River Valley roughly 2 miles east of the city of Cle Elum (see map below).</p> <p>The requestor proposes to offset the 0.336 afy of consumptive use for the project (one residential connection and 4,000 ft² of lawn and garden) with 0.336 afy of mitigation water acquired from Trust Water Right No. CS4-01676sb5d@3.</p>

Ecology plans to assign 0.166 afy of the Trust Water Right to the USBR-Ecology Water Exchange Contract.

Review of the local area hydrogeology suggests that use under the subject request will impact the Yakima River which is located approximately 4,500 feet to the south of the Willette property.

WTWG Project form

Location of G4-35664

