

**WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION**

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral Request No. G4-35780 with mitigation from Trust Water Right No. CS4-01467@11sb3a(A)		
APPLICANT NAME David Wert	CONTACT NAME Suzanne Blakeney	TELEPHONE NO. 509-929-2822
WATER RIGHT HOLDER'S NAME (if different) Mitigation with Washington Water Trust (Masterson) Trust Water Right		EMAIL

DATE OF APPLICATION August 10, 2015	
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WATER SOURCE: Well	CROP: Lawn or noncommercial garden
INSTANTANEOUS QUANTITY:	ANNUAL QUANTITY: 0.435 acre-feet/year (afy)
PERIOD OF USE: Continuous for single indoor domestic connection and irrigation season for lawn and garden	
PLACE OF USE: Parcel No. 17670, located within the NW <sup>1</sup> / <sub>4</sub> of Section 22, T. 20 N., R. 15 E.W.M.	PURPOSE OF USE: Single domestic and Irrigation of 1,000 ft <sup>2</sup> lawn or garden

<p>CONSUMPTIVE USE CALCULATION:</p> <p><b>Indoor use:</b> One residential connection at 350 gallons per day (gpd) used continuously year round equates to 0.392 afy of water use, or:  <math>(350 \text{ gpd per connection}) \times (365 \text{ days}) \times (\text{one connection}) \times (1.0 \text{ ac-ft}/325,851 \text{ gal}) = 0.392 \text{ afy}</math>  Consistent with WAC 173-539A-050(3), 30% of domestic in-house use on a septic system is consumptively used, therefore:  Indoor consumptive use = <math>(0.392 \text{ afy}) \times (0.30) = \mathbf{0.118 \text{ afy}}</math></p> <p><b>Outdoor use:</b> The requestor proposes to irrigate 1,000 ft<sup>2</sup> of lawn and garden. Using a crop irrigation requirement of 18.11 in/yr (or 1.51 ft/yr) for pasture/turf near Cle Elum from the Washington Irrigation Guide and an application efficiency of 80%, the total outdoor irrigation water use is 0.043 afy, or:  <math>[(1.51 \text{ ft/yr}) \div 0.80] \times (1,000 \text{ ft}^2 \div 43,560 \text{ ft}^2/\text{ac}) = 0.043 \text{ afy}</math>  Consistent with WAC 173-539A-050(3), 90% of outdoor use is consumptively used, so:  Outdoor consumptive use = <math>(0.043 \text{ afy}) \times (0.90) = \mathbf{0.039 \text{ afy}}</math></p> <p><b>Total Use: 0.435 afy</b></p> <p><b>Consumptive Use: 0.157 afy</b></p> <p><b>Contract Water: 0.076 afy (equates to September 1 – March 31 use)</b></p>
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NARRATIVE DESCRIPTION OF PROJECT:

The proposed use is located about a mile north of Cle Elum in a “yellow” area as noted in the current Washington Water Trust (Masterson) Trust Water Right suitability map.

The requestor proposes to offset the 0.157 afy of consumptive use for the project (one residential connection and 1,000 ft<sup>2</sup> of lawn and garden) with 0.157 afy of mitigation water acquired from Trust Water Right No. CS4-01467@11sb3a(A). During the irrigation season, 0.076 afy is assigned to the USBR-Ecology Exchange Contract (Contract No. 09XX101700) to address flow impacts to the Yakima River.

Review of the local area hydrogeology suggests that the proposed withdrawals under G4-34780 will result in flow impacts to the lower portion of Crystal Creek and the Yakima River.

WTWG Project form

**Location Map for G4-35780**



