

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO. Water Budget Neutral Request No. G4-35848 with mitigation from Trust Water Right No. CS4-01467@11sb3a(A)		
APPLICANT NAME Gregory & Janet Lynn Aberle Brown	CONTACT Suzanne Blakeney	CONTACT'S TELEPHONE NO 509-607-3513
WATER RIGHT HOLDER'S NAME (if different) Masterson Ranch		CONTACT'S EMAIL suzanne@washingtonwatertrust.org

DATE OF APPLICATION May 04, 2016

WATER SOURCE: Well	CROP: Lawn and\or noncommercial garden
INSTANTANEOUS QUANTITY: TBD	ANNUAL QUANTITY: 0.414 ac-ft/yr
PERIOD OF USE: Continuous for 1 domestic connection and seasonal irrigation for lawn and\or garden	
PLACE OF USE: Parcel No. 11793, located within the SE ¹ / ₄ ,SE ¹ / ₄ of Section 34, T. 20 N., R. 16 E.W.M.	PURPOSE OF USE: Domestic and irrigation of 500 square feet of lawn and\or garden

<p>CONSUMPTIVE USE CALCULATION:</p> <p>Indoor use: 1 residential connection at 350 gallons per day (gpd) used continuously year round equates to 0.392 ac-ft/yr of water use, or: Consistent with WAC 173-539A-050(3), 30% of domestic in-house use on a septic system is consumptively used, therefore: Indoor consumptive use (CU) = 0.118 ac-ft/yr</p> <p>Outdoor use: The requestor proposes to irrigate 500 ft² of lawn and/or garden. Using a crop irrigation requirement of 18.10 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 0.022 ac-ft/yr. Consistent with WAC 173-539A-050(3), 90% of outdoor use is consumptively used, so: Outdoor consumptive use = 0.019 ac-ft/yr</p> <p>Total consumptive use = 0.137 ac-ft/yr</p> <p>Contract water = 0.017 ac-ft/yr for the period September 16 to October 31</p>
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NARRATIVE DESCRIPTION OF PROJECT:

The subject parcels are located to the north of the Yakima River and to the east of the Teanaway River within the SE¹/₄SE¹/₄ Section 34, T. 20 N., R. 16 E.W.M. The Masterson Suitability Map (Trust Water Right CS4-01467@11sb3a(A)) indicates that the subject parcel is within the “green” area.

The requestor proposes to offset the 0.137 ac-ft/yr of consumptive use for the project (1 residential connection and 500 ft² of lawn and garden) with 0.137 ac-ft/yr of mitigation water acquired from Trust Water Right NoCS4-01467@11sb3a(A). 0.017 ac-ft is assigned to the USBR-Ecology Exchange Contract (Contract No. 09XX101700). Additionally, to address out-of-season flow impacts to the Teanaway River, \$500 will be placed into an account to be used for one or more upstream or headwater riparian corridor projects.

This region has been previously evaluated and the risk of impairment and adverse unmitigated impacts to surface water bodies in the ‘green zone’ is low. Impacts will likely be to the Teanaway River or the main stem Yakima River.

WTWG Project form

Location of G4-35848

