

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral Request No. G4-35785 with mitigation from Trust Water Right No. CS4-02255(A)CTCL@2		
APPLICANT NAME	CONTACT NAME	TELEPHONE NO.
Raymond & Janet Healy	Traci Shallbetter	(509) 260-0037
WATER RIGHT HOLDER'S NAME (if different)		EMAIL
Mitigation with SwiftWater Ranch LLC Trust Water Right		

DATE OF APPLICATION	PRIORITY DATE
August 24, 2015	

WATER SOURCE: Well	CROP: Lawn or noncommercial garden
INSTANTANEOUS QUANTITY: TBD	ANNUAL QUANTITY: 0.414 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. 108834, located within the W½ of Section 2, T. 20 N., R. 13 E.W.M.	PURPOSE OF USE: Single domestic and Irrigation of 500 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: $(350 \text{ gpd per connection}) \times (365 \text{ days}) \times (\text{one connection}) \times (1.0 \text{ ac-ft}/325,851 \text{ gal}) = 0.392 \text{ afy}$ Consistent with WAC 173-539A-050(3), 30% of domestic in-house use on a septic system is consumptively used, therefore: Indoor consumptive use = $(0.392 \text{ afy}) \times (0.30) = \mathbf{0.118 \text{ afy}}$</p> <p>Outdoor use: The requestor proposes to irrigate 500 ft² 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 0.022 afy, or: $[(1.51 \text{ ft/yr}) \div 0.80] \times (500 \text{ ft}^2 \div 43,560 \text{ ft}^2/\text{ac}) = 0.022 \text{ afy}$ Consistent with WAC 173-539A-050(3), 90% of outdoor use is consumptively used, so: Outdoor consumptive use = $(0.022 \text{ afy}) \times (0.90) = \mathbf{0.019 \text{ afy}}$</p> <p>Total Use = 0.414 afy</p>
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**Consumptive Use = 0.137 afy
(CU for the period of April 1 to August 31 is 0.065 ac-ft and CU for the period
September 1 to March 31 is 0.072 ac-ft)**

NARRATIVE DESCRIPTION OF PROJECT:

The project is located near Lake Easton approximately 12 miles northwest of Cle Elum in a “yellow” area as noted in the current SwiftWater Trust Water Right suitability map.

The requestor proposes to offset the 0.137 afy of consumptive use for the project (one residential connection and 500 ft² of lawn and garden) with 0.137 afy of mitigation water acquired from Trust Water Right No. S4-02255(A)CTCL@2. During the irrigation season, 0.072 ac-ft is assigned to the USBR-Ecology Exchange Contract (Contract No. 09XX101700) to address in-season impacts along the Yakima River.

Review of the local area hydrogeology suggests that the proposed groundwater withdrawals under G4-35785 will result in flow impacts the the Yakima River below Lake Easton.

WTWG Project form

Location of G4-35785

