

## WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral Request No. G4-35667 with mitigation from Trust Water Right No. S4-02255(A)CTCL@2		
APPLICANT NAME Bare-Marchel LLC	CONTACT NAME Traci Shallbetter	TELEPHONE NO. 509-260-0037
WATER RIGHT HOLDER'S NAME (if different) Mitigation with SwiftWater Ranch LLC Trust Water Right		EMAIL traci@shallbetterlaw.com

DATE OF APPLICATION January 10, 2014	PRIORITY DATE
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WATER SOURCE: well	CROP: Lawn or noncommercial garden
INSTANTANEOUS QUANTITY:	ANNUAL QUANTITY: 0.827 acre-feet/year (afy)
PERIOD OF USE: Continuous for indoor domestic connection and irrigation season for lawn and garden	
PLACE OF USE: Parcel Nos. 951169 and 20658, located within the SE¼SE¼ of Section 34, T. 20 N., R. 15 E.W.M.	PURPOSE OF USE: Domestic (2) and Irrigation of 1,000 ft <sup>2</sup> lawn or garden
IRRIGATION METHOD:	

<p>CONSUMPTIVE USE CALCULATION:</p> <p><b>Indoor use:</b> Two residential connections 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{two connections}) \times (1.0 \text{ ac-ft} / 325,851 \text{ gal}) = 0.784 \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>(0.784 \text{ afy}) \times (0.30) = \mathbf{0.235 \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: 0.827 afy</b></p> <p><b>Total Consumptive Use: 0.274 afy</b></p>
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NARRATIVE DESCRIPTION OF PROJECT:

The project is located approximately 0.5 miles south of the town of South Cle Elum (see map below).

The requestor proposes to offset the 0.274 afy of consumptive use for the project (two residential connections and 1,000 ft<sup>2</sup> of lawn and garden) with 0.274 afy of mitigation water acquired from Trust Water Right No. S4-02255(A)CTCL@2. During the irrigation season, 0.144 ac-ft will be assigned to the USBR-Ecology Exchange Contract (Contract No. 09XX101700) to address impacts along the Yakima River.

The proposed well for the new use is to be located in an “green” area as noted on the SwiftWater Ranch LLC suitability map.

### Location of G4-35667

