

**WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION**

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral Request No. G4-35839 with mitigation from Trust Water Right No. CS4-02316sb8(a1)		
APPLICANT NAME Zirkle Fruit Co *	CONTACT Jessica Berry	CONTACT'S TELEPHONE NO 509-649-5271
WATER RIGHT HOLDER'S NAME (if different) Yakima Mitigation Services		CONTACT'S EMAIL jberry@inlandnet.com

DATE OF APPLICATION March 23, 2016
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WATER SOURCE: Well	CROP: Lawn and\or noncommercial garden
INSTANTANEOUS QUANTITY: TBD	ANNUAL QUANTITY: 0.430 ac-ft/yr
PERIOD OF USE: Continuous for 1 domestic connection and season irrigation for lawn and\or garden	
PLACE OF USE: Parcel No. 240433, located within the E <sup>1</sup> / <sub>2</sub> ,SE <sup>1</sup> / <sub>4</sub> and SE <sup>1</sup> / <sub>4</sub> ,NE <sup>1</sup> / <sub>4</sub> of Section 34, and the W <sup>1</sup> / <sub>2</sub> ,SW <sup>1</sup> / <sub>4</sub> of Section 35, T. 17 N., R. 19 E.W.M.	PURPOSE OF USE: Domestic and irrigation of 500 square feet of lawn and\or garden

<p>CONSUMPTIVE USE CALCULATION:</p> <p><b>Indoor use:</b> 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: <b>Indoor consumptive use (CU) = 0.118 ac-ft/yr</b></p> <p><b>Outdoor use:</b> The requestor proposes to irrigate 500 ft<sup>2</sup> of lawn and/or garden. Using a crop irrigation requirement of 31.45 in/yr (or 1.51 ft/yr) for pasture/turf near Ellensburg from the Washington Irrigation Guide and an application efficiency of 80%, the total outdoor irrigation water use is 0.038 ac-ft/yr. Consistent with WAC 173-539A-050(3), 90% of outdoor use is consumptively used, so: <b>Outdoor consumptive use = 0.034 ac-ft/yr</b></p> <p><b>Total consumptive use = 0.151 ac-ft/yr</b></p>
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**NARRATIVE DESCRIPTION OF PROJECT:**

The subject parcel is located to the south of Badger Creek along 4<sup>th</sup> Parallel Rd in the E½SE¼ and SE¼NE¼ Section 34 T. 17 N., R. 19 E.W.M., and W½SW¼ Section 35 T. 17 N., R. 19 E.W.M. The Yakima River Mitigation Services Suitability Map (Trust Water Right CS4-02316sb8(a1)) indicates that the subject parcel is within the “yellow” area.

The requestor proposes to offset the 0.151 ac-ft/yr of consumptive use for the project (1 residential connection and 500 ft<sup>2</sup> of lawn and garden) with 0.151 ac-ft/yr of mitigation water acquired from Trust Water Right No. CS4-02316sb8(a1).

Review of the local area hydrogeology suggests that the proposed well would likely capture water that would otherwise discharge to the intermittent unnamed streams along the north facing hillside, Badger creek, and ultimately the Yakima River.

WTWG Project form

**Location of G4-35839**

