

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral Request / Groundwater Right Application No. G4-35959 with mitigation from Trust Water Right No. CS4-02223CTCLsb2@1		
APPLICANT NAME Paul Kemp	CONTACT Traci Shallbetter	CONTACT'S TELEPHONE NO 509.260.0037
WATER RIGHT HOLDER'S NAME (if different) Trailside Water Bank		CONTACT'S EMAIL tshallbetter@cairncross.com

DATE OF APPLICATION September 18, 2017
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WATER SOURCE: Well (Well Tag ID AKJ-891)	CROP: Lawn and/or noncommercial garden
INSTANTANEOUS QUANTITY: 4.48 GPM	ANNUAL QUANTITY: 0.414 ac-ft/yr
PERIOD OF USE: Continuous for 1 domestic connection and season irrigation for lawn and/or garden	
PLACE OF USE: Parcel No. 6, located within the SW¼NE¼ and SE¼NW¼ of Section 7, T. 19 N., R. 15 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/applicant 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, therefore: outdoor consumptive use = 0.019 ac-ft/yr.</p> <p>Total Consumptive Use = 0.137 ac-ft/yr</p> <p>Exchange Contract Water = 0</p>

NARRATIVE DESCRIPTION OF PROJECT:

The project is located approximately 3.3 miles from South Cle Elum and near Spex Arth creek in a “Yellow” area as noted on Ecology’s current Mitigation Suitability Map (see attached map).

The requestor/applicant 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 0.161 ac-ft/yr of mitigation from Trust Water Right No. CS4-02223CTCLsb2@1.

A Storage and Release Mitigation Plan has been offered and accepted by Ecology.

Review of the local area hydrogeology suggests that the requested withdrawals will impact Spex Arth Creek and the Yakima River.

WTWG Project form

Location of G4-35959

