

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

Application Number Water Budget Neutral Request No. G4-36169	
Applicant Name Ben Reimer	Priority Date 12/08/2022
Water Bank SwiftWater Ranch LLC	Trust Water Rights No. S4-83720-J

Groundwater Source Existing Well (drilled 1994)	Water Use: Domestic, Lawn and/or noncommercial garden
Instantaneous Quantity: 4.48 gpm	Annual Quantity: 0.414 ac-ft/yr total
Period of Use: Continuous use for 1 domestic connection(s) and seasonal irrigation for lawn and/or garden	
Place of Use: Parcel No. 950649, located within the NW¼, SW¼ of Section 5, Township 19N., Range 15E.	Purpose of Use: Domestic use and irrigation of up to 500 square feet of lawn and/or garden.

<p style="text-align: center;">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. Consistent with WAC 173-539A-050(3), 30% of domestic in-house use on a septic system is consumptively used, therefore:</p> <p style="text-align: center;">indoor consumptive use = 0.118 ac-ft/yr.</p> <p>Outdoor Use: The applicant proposes to irrigate 500 ft² of lawn and/ garden. Using a crop irrigation requirement of 18.1 in/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:</p> <p style="text-align: center;">outdoor consumptive use = 0.019 ac-ft/yr.</p> <p>Total Consumptive Use = 0.137 ac-ft/yr</p> <p>Exchange Contract Water = 0.065 ac-ft/yr for the period September 16 to March 31</p>

NARRATIVE DESCRIPTION OF PROJECT:

The project is located approximately 0.6 miles from the Yakima River, near the South Cle Elum Ridge, in a "Yellow" area as noted on Ecology's current Mitigation Suitability Map (see attached map).

The requestor/applicant proposes to offset the 0.414 ac-ft/yr of consumptive use for the project with 0.414 ac-ft/yr of mitigation from SwiftWater Rach LLC, Trust Water Right No. S4-83720-J. Ecology will assign 0.065 ac-ft/yr to the USBR-Ecology Exchange Contract (Contract No. 09XX101700) to address impacts to the Yakima River.

Review of the local area hydrogeology suggests that groundwater is both legally and physically available, and that the proposed mitigation will address impacts to the Yakima River.

WTWG Project form

Attachment 1

