

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

Application Number Water Budget Neutral Request No. G4-36177	
Applicant Name Nathan and Nicole Dwinell	Priority Date July 26, 2023
Water Bank Kittitas County (Clennon)	Trust Water Rights No. S4-85138-J(B)

Groundwater Source Existing Well	Purpose of Use: Domestic and irrigation of up to 500 square feet of lawn and/or garden.
Instantaneous Quantity: 4.48 gpm	Annual Quantity: 0.330 ac-ft/yr
Period of Use: Continuous use for 1 domestic connection and seasonal irrigation for lawn and/or garden	
Place of Use: Parcel No. 17629, located within the NE¼ SW¼ of Section 5, T. 19 N., R. 15 E.W.M.	

Consumptive Use Calculation:

Indoor Use: 1 residential connection(s) at 275 gallons per day (gpd) used continuously year-round equates to 0.308 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) = 0.092 ac-ft/yr.**

Outdoor Use: The requestor/applicant proposes to irrigate 500 ft² of lawn and/or 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: **outdoor consumptive use = 0.019 ac-ft/yr.**

Total Consumptive Use = 0.112 ac-ft/yr

Exchange Contract Water = 0.070 ac-ft/yr for the period August 1 to March 31

NARRATIVE DESCRIPTION OF PROJECT:

The project is located approximately 0.5 miles from the Yakima River near 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 0.112 ac-ft/yr of consumptive use for the project with 0.112 ac-ft/yr of mitigation from Trust Water Right No. S4-85138-J(B). Ecology will assign 0.070 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 the proposed use will not impact existing users, and that the mitigation is suitable for addressing impacts to local surface water sources.

MAP OF THE PROJECT AREA

