

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

Application Number Water Budget Neutral Request No. G4-36175	
Applicant Name Alan Christie	Priority Date June 9, 2023
Water Bank Kittitas County (Roth)	Trust Water Rights No. S4-85140-J(B)
Groundwater Source Proposed 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. 142434, located within the NE¼ SW¼ of Section 10, T. 20 N., R. 14 E.W.M.	
Consumptive Use Calculation: <p>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 173539A050(3), 30% of domestic in-house use on a septic system is consumptively used, therefore: indoor consumptive use (CU) = 0.092 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 18.1 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 173539A050(3), 90% of outdoor use is consumptively used, therefore: outdoor consumptive use = 0.019 ac-ft/yr.</p> <p>Total Consumptive Use = 0.112 ac-ft/yr</p> <p>Exchange Contract Water = 0.070 ac-ft/yr for the period August 1 to March 31</p>	
NARRATIVE DESCRIPTION OF PROJECT: <p>The project is located approximately 0.5 miles from Cle Elum Lake near the Cascade Range in a “Yellow” area as noted on Ecology’s current Mitigation Suitability Map (see attached map).</p> <p>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. S4-85140-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.</p> <p>Review of the local area hydrogeology suggests that the proposed use will have impacts on the Yakima river and Domerie Creek. It is unlikely that existing users will be affected.</p> <p>Previous projects in this area (G4-36031 and G4-36058) cited a 2011 study from the National Marine Fisheries Service, which did not find any ESA-listed species in Domerie Creek. The study was conducted for the City of Roslyn transfer.</p>	

MAP OF THE PROJECT AREA

