

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO. Water Budget Neutral Request No. G4-36072 with mitigation from Trust Water Right No. CS4-01676sb5d@2b(B) (Which originally diverted from the Teanaway River)		
APPLICANT NAME Russell Cahill	CONTACT Samantha Cox	CONTACT'S TELEPHONE NO 509-962-7680
WATER RIGHT HOLDER'S NAME (if different) Kittitas County (Roth)		CONTACT'S EMAIL Samantha.cox@co.kittitas.wa.us

DATE OF APPLICATION September 20, 2019

WATER SOURCE: Proposed Well	CROP: Lawn and\or noncommercial garden
INSTANTANEOUS QUANTITY: TBD	ANNUAL QUANTITY: 0.330 ac-ft/yr
PERIOD OF USE: Continuous for 1 domestic connection and season irrigation for lawn and\or garden	
PLACE OF USE: Parcel No. 202534, located within the SW¼, NW¼ of Section 12, T. 20 N., R. 14 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 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.</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 = 0.112 ac-ft/yr</p> <p>Exchange Contract Water = 0.070 ac-ft/yr for the period August 1 to March 31</p>
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NARRATIVE DESCRIPTION OF PROJECT:

The project is located approximately 0.48 miles from the Cle Elum River 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 (1 residential connection and 500 ft² of lawn and garden) with 0.112 ac-ft/yr of mitigation from Trust Water Right No. CS4-01676sb5d@2b(B). Ecology will assign 0.070 ac-ft/yr to the USBR-Ecology Exchange Contract (Contract No. 09XX101700) to address impacts to the Cle Elum River.

Review of the local area hydrogeology suggests that the groundwater withdrawals are expected to impact the Cle Elum River but will not cause impairment.

Location of G4-36072

