

**WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION**

APPLICATION NO./COURT CLAIM NO.		
Groundwater Right Application No. G4-36104 with mitigation from Trust Water Right No. CS4-01676sb5d@2b(B) (which originally diverted from the Yakima River)		
APPLICANT NAME Daniel Costea	CONTACT Samantha Cox	CONTACT'S TELEPHONE NO (509) 960-7680
WATER RIGHT HOLDER'S NAME (if different) Kittitas County (Roth)		CONTACT'S EMAIL samantha.cox@co.kittitas.wa.us

DATE OF APPLICATION August 31, 2020
--

WATER SOURCE: Well (Well Tag AKJ-859)	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. 949709, located within the NE <sup>1</sup> / <sub>4</sub> ,NE <sup>1</sup> / <sub>4</sub> 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><b>Indoor Use:</b> 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: <b>indoor consumptive use (CU) = 0.092 ac-ft/yr.</b></p> <p><b>Outdoor Use:</b> The requestor/applicant proposes to irrigate 500 ft<sup>2</sup> 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: <b>outdoor consumptive use = 0.019 ac-ft/yr.</b></p> <p><b>Total Consumptive Use = 0.112 ac-ft/yr</b></p> <p><b>Exchange Contract Water = 0.070 ac-ft/yr for the period August 1 to March 31</b></p>
--

NARRATIVE DESCRIPTION OF PROJECT:

The project is located approximately 0.92 miles from the Yakima River “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 ft<sup>2</sup> 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 Yakima River.

Review of the local area hydrogeology suggests that the proposed withdrawals will have a relatively minor impact on local groundwater users and is expected to slightly reduce groundwater discharge to the main stem of Yakima River. However, withdrawals are not anticipated to negatively impact flows in Spex Arth Creek.

WTWG Project form

**Location of G4-36104**

