

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICANT INFORMATION		WATER BANKING INFORMATION	
Applicant Name	Jac and Ellen Castle	Contact Name	Swiftwater Ranch
Priority Date	7/15/2022	Contact Phone Number	(509) 260-0037
Water Right Holder (if different)		Contact Email	traci@shallbetterlaw.com

WATER SOURCE: Proposed Well	CROP: Domestic, Lawn and/or noncommercial garden
INSTANTANEOUS QUANTITY: 4.8 gpm	ANNUAL QUANTITY: 0.414 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. 465734, located within the SW ¼, NE ¼ of Section 8, Township 19N., Range 15E.	PURPOSE OF USE: Domestic and irrigation of up to 500 square feet of lawn and/or garden.

<p>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, 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) = 0.118 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 for pasture/turf near Cle Elum from the Washington Irrigation Guide and an application efficiency of 75%, the total outdoor irrigation water use is 0.023 ac-ft/yr. Consistent with WAC 173-539A-050(3), 90% of outdoor use is consumptively used, therefore: outdoor consumptive use = 0.021 ac-ft/yr.</p> <p>Total Consumptive Use = 0.138 ac-ft/yr</p> <p>Exchange Contract Water = 0.049 ac-ft/yr for the period November 1 to March 31</p>
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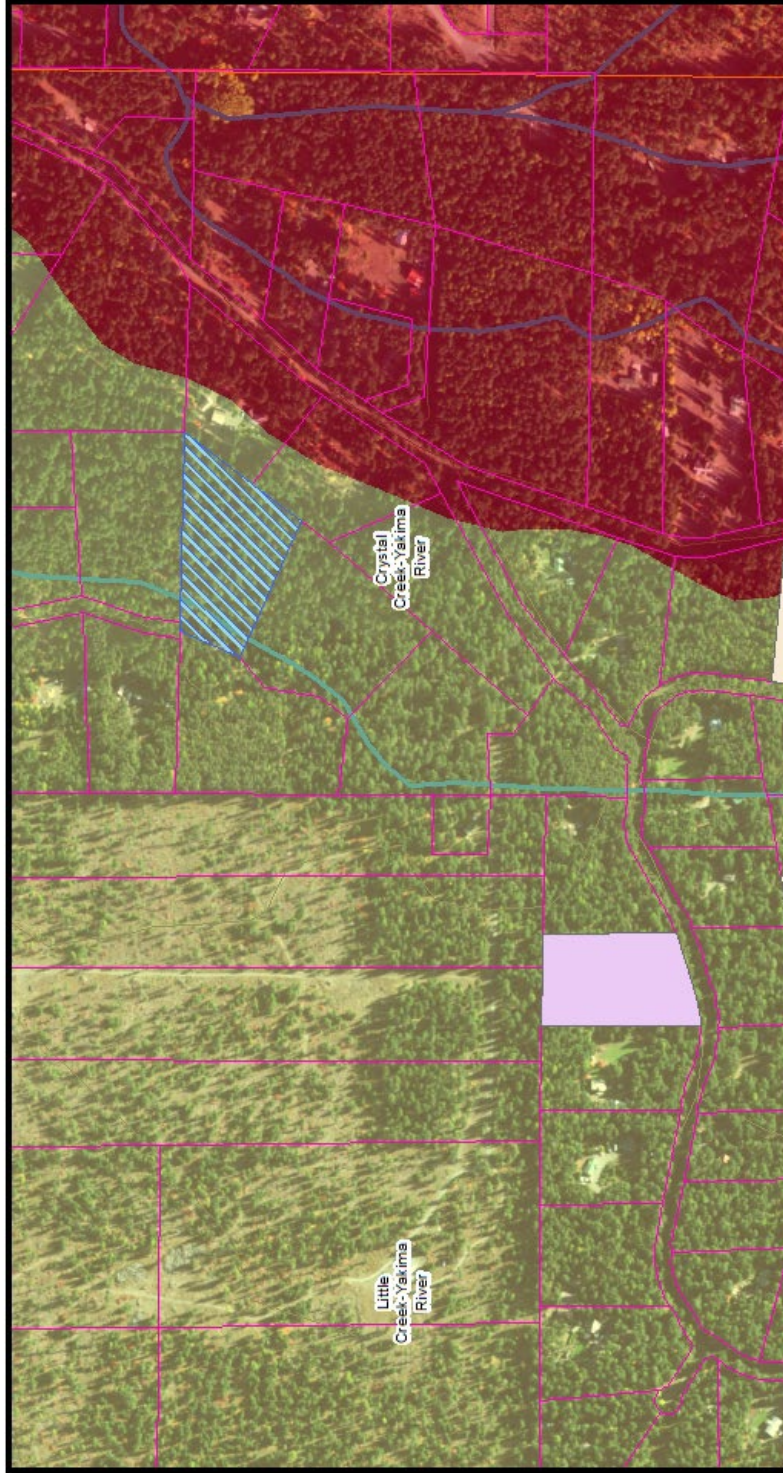
NARRATIVE DESCRIPTION OF PROJECT:

The project is located within the Roslyn Basin along the North face of the South Cle Elum Ridge. It is approximately 1.3 miles south of the Yakima River and is located near Tillman Creek. The project is in a "Yellow" area as noted on Ecology's current Mitigation Suitability Map (see attached map).

The applicant proposes to offset the 0.138 ac-ft/yr of consumptive use for the project with 0.138 ac-ft/yr of mitigation from Trust Water Right Nos. S4-83720-J, S4-83721-J. Ecology will assign 0.049 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 mitigation is suitable for addressing impacts to the Yakima River, and that neighboring wells will not be impaired by the project.

Jac and Ellen Castle
 Water Budget Neutral Request No. G4-36160
 Parcel No. 465734
 NW 1/4 of Section 8, T. 19 N, R. 15 E, W.M.
 WRIA 39 - Kittitas County






1,000 500 0 1,000 Feet

Legend

-  Proposed POU
-  Previously Approved WBNs (The Reisbeck Family Living Trust, 2014)

Swiftwater Suit_stat

-  Likely Suitable
-  Need Additional Information
-  Unsuitable

