

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICANT INFORMATION		WATER BANKING INFORMATION	
Applicant Name	Robert Shaughnessy	Contact Name	Bourne Water Bank
Priority Date	5/27/2021	Contact Phone Number	(360) 631-6178
Water Right Holder (if different)	N/A	Contact Email	N/A

WATER SOURCE: Proposed Well	CROP: Domestic, Lawn and/or noncommercial garden
INSTANTANEOUS QUANTITY: 4.48 gpm	ANNUAL QUANTITY: 0.328 ac-ft/yr
PERIOD OF USE: Continuous use for 1 domestic connection(s) and seasonal irrigation for lawn and/or garden	
PLACE OF USE: Parcel No. 685235, located within the SW¼, NW¼ of Section 34, Township 20 N., Range 16 E.	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 275 gallons per day (gpd) used continuously year-round equates to 0.308 ac-ft/yr. of water use. 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. for pasture/turf near Ellensburg 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 = 0.052 ac-ft/yr for the period September 16 to March 31</p>
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NARRATIVE DESCRIPTION OF PROJECT:

The project is located approximately 3 miles from Cle Elum, near the Teanaway River in a "Yellow" area as noted on Ecology's current Mitigation Suitability Map (see attached map).

The requestor/applicant proposes to offset the 0.111 ac-ft/yr of consumptive use for the project with 0.111 ac-ft/yr of mitigation from Trust Water Right No. S4-83792-J. Ecology will assign 0.052 ac-ft/yr to the USBR-Ecology Exchange Contract (Contract No. 09XX101700) to address impacts to the Teanaway 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.

WTWG Project form

