

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

Application Number Water Budget Neutral Request No. G4-36165	
Applicant Name Patrick and Jennifer Thorton	Priority Date September 19, 2022
Water Bank Bourne Water Bank	Trust Water Rights No. S4-83792-J

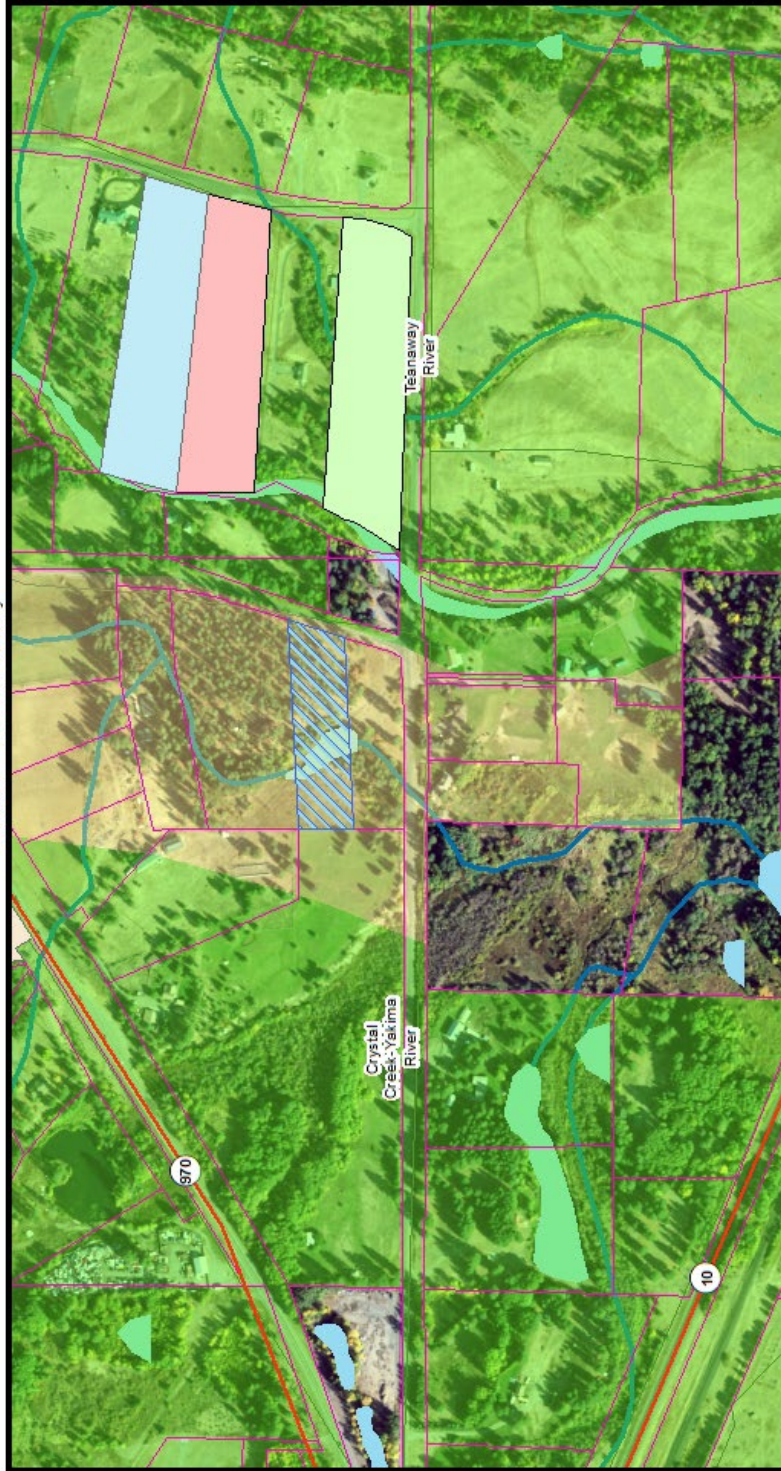
WATER SOURCE: Existing Well AKH 966 (Well Tag ID)	CROP: Domestic, Lawn and\or noncommercial garden
INSTANTANEOUS QUANTITY: 4.48 gpm	ANNUAL QUANTITY: 0.329 ac-ft/yr
PERIOD OF USE: Continuous use for 1 domestic connection(s) and seasonal irrigation for lawn and/or garden	
PLACE OF USE: Parcel No. 19329, located within the SE¼, SE¼ of Section 33, Township 20N., Range 16E.	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(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 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 18.1 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 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>

<p>NARRATIVE DESCRIPTION OF PROJECT:</p> <p>The project is located approximately 1000 feet East of the Teanaway River, 0.6 miles upstream of the confluence with the Yakima River, 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. S4-83792-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.</p> <p>Review of the local area hydrogeology suggests that there would be impacts to the Teanaway and Yakima Rivers. However, Ecology believes that the mitigation offered would adequately mitigate for the impacts of this project.</p>

Map of the Project Area

Patrick and Jennifer Thornton
 Water Budget Neutral Request No. G4-36165
 Parcel Nos. 19329
 SE 1/4 SE 1/4 of Section 33, T. 20 N., R. 16 E. W.M.
 WRIA 39 - Kittitas County



1,000 500 0 1,000 Feet

Legend

Proposed POU

Previously Approved WBNs

G4-35567 (Jenson, 2012)

G4-35568 (Jenson, 2012)

G4-35596 (McKee, 2013)

Bourne

Suit_stat

Likely Suitable

Need Additional Information

Unsuitable



Basemap - NAD 2011 Aerial Photo

