

**WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION**

APPLICATION NO. Water Budget Neutral Request No. G4-36144 with mitigation from Trust Water Right No. CS4-05216sb5a(B)		
APPLICANT NAME George Burchak *	CONTACT Darrin Burchak	CONTACT'S TELEPHONE NO (509) 260-0115
WATER RIGHT HOLDER'S NAME (if different)		CONTACT'S EMAIL jdburchak@hotmail.com

DATE OF APPLICATION December 07, 2021
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WATER SOURCE: Proposed Well	CROP: Lawn and/or noncommercial garden
INSTANTANEOUS QUANTITY: 350 gallons per day	ANNUAL QUANTITY: 0.461 ac-ft/yr
PERIOD OF USE: Continuous for 1 domestic connection and season irrigation for lawn and/or garden	
PLACE OF USE: Parcel No. 961634, located within the SW <sup>1</sup> / <sub>4</sub> , SE <sup>1</sup> / <sub>4</sub> of Section 4, T. 19 N., R. 15 E.W.M.	PURPOSE OF USE: Domestic and irrigation of 1,600 square feet of lawn and/or garden.

<p>CONSUMPTIVE USE CALCULATION:</p> <p><b>Indoor Use:</b> 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: <b>indoor consumptive use (CU) = 0.118 ac-ft/yr.</b></p> <p><b>Outdoor Use:</b> The requestor/applicant proposes to irrigate 1,600 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 ac-ft/yr. Consistent with WAC 173-539A-050(3), 90% of outdoor use is consumptively used, therefore: <b>outdoor consumptive use = 0.062 ac-ft/yr.</b></p> <p><b>Total Consumptive Use = 0.180 ac-ft/yr</b></p> <p><b>Exchange Contract Water = 0.080 ac-ft/yr for the period September 1 to March 31</b></p>
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NARRATIVE DESCRIPTION OF PROJECT:

The project is located approximately 0.5 miles from the Yakima river near Tillman creek in a “red” area as noted on Ecology’s current Mitigation Suitability Map (see attached map).

The requestor/applicant proposes to offset the 0.180 ac-ft/yr of consumptive use for the project (1 residential connection and 1,600 ft<sup>2</sup> of lawn and garden) with 0.180 ac-ft/yr of mitigation from Trust Water Right No. CS4-05216sb5a(B). Ecology will assign 0.080 ac-ft/yr to the USBR-Ecology Exchange Contract (Contract No. 09XX101700) to address impacts to the Yakima River.

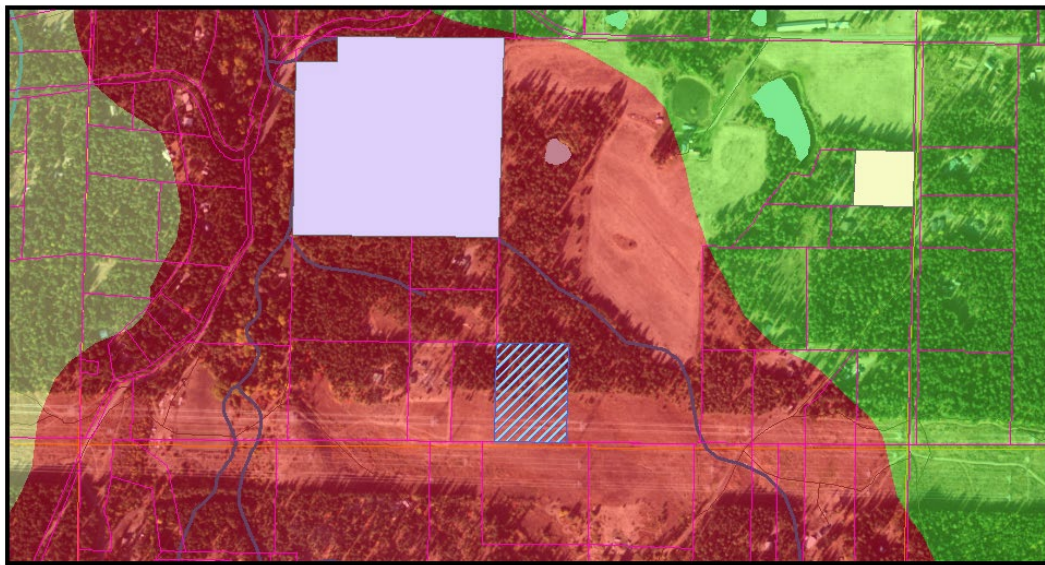
Review of the local area hydrogeology suggests that there would be impacts to Tillman Creek. However, Ecology believes that the mitigation offered would adequately mitigate for the impacts of this project. The original point of diversion for the Burchak water bank, trust water right CS4-05216sb5a(B), lies upstream of the project area and the project’s impacts are within the primary reach of the mitigating right. A map of the project area and the Burchak water bank are included below.

Additionally, Ecology suggests that the “red” area for the Burchak water bank be changed to “green.” This is because the historical point of diversion and reaches of the water bank lie in the “red” area where direct mitigation would be most applicable.

WTWG Project form

### Map of Project Area

George Burchak  
Water Budget Neutral Request No. G4-36144  
Parcel No. 961634  
SW 1/4 SE 1/4 of Section 4, T. 19 N, R. 15 E.W.M.  
WRIA 39 - Kittitas County



1,000 500 0 1,000 Feet

Proposed POU

**Previously Approved WBNs**

- G4-35457 (Forcier, 2011)
- G4-35629 (Cle Elum City, 2013)

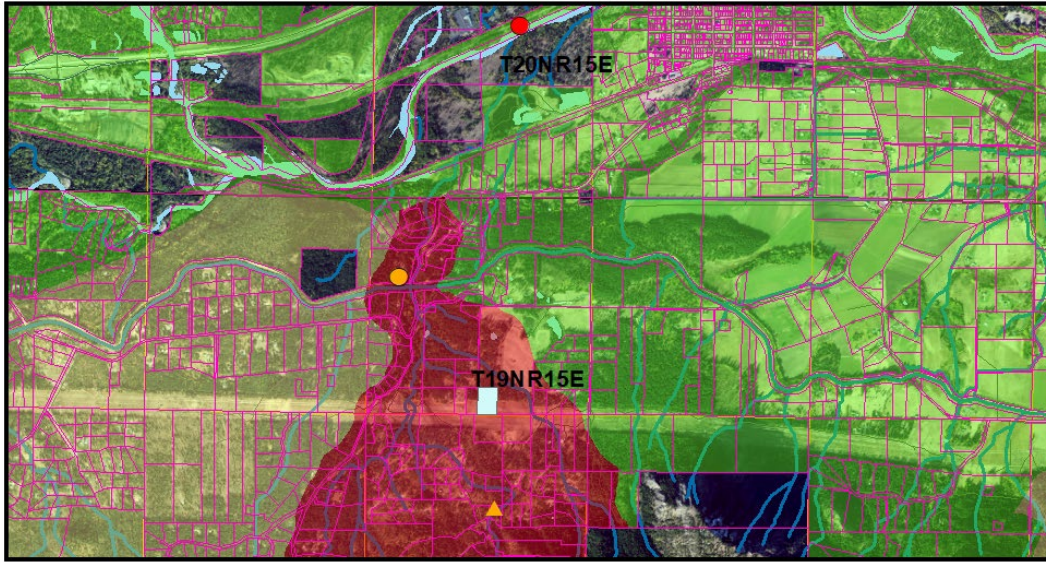
**Burchak  
Suit\_stat**

- Likely Suitable
- Need Additional Information
- Unsuitable



# Map of Burchak Water Bank

Burchak Water Bank Analysis  
Related to WBN Request G4-36144  
SW 1/4 NW 1/4 of Section 9, T. 19 N, R. 15 E.W.M.  
WRIA 39 - Kittitas County



4,000 2,000 0 4,000 Feet

Basemap - NADIP 2017 Aerial Photo  
WISCONSIN DEPARTMENT OF  
**ECOLOGY**  
Protecting Wisconsin's Natural Resources



## Legend

- G4-36144 Proposed POW
- Existing POD (Burchak)
- End of Primary Reach (Burchak)
- End of Secondary Reach (Burchak)

## Burchak Water Bank

### Suit\_stat

- Likely Suitable
- Need Additional Information
- Unsuitable