

## WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral (WBN) Request No. G4-35633 with mitigation from Trust Water Right No. CS4-01467@11sb3a(A)		
APPLICANT NAME Adam & Amy Burt	CONTACT NAME Jason McCormick	TELEPHONE NO. 509-607-3513
WATER RIGHT HOLDER'S NAME (if different) Masterson Ranch		EMAIL jason@washingtonwatertrust.org

DATE OF APPLICATION June 24, 2013	PRIORITY DATE
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WATER SOURCE: Well (not yet drilled)	CROP: Noncommercial Lawn and Garden
INSTANTANEOUS QUANTITY: 20 gpm	ANNUAL QUANTITY: 0.414 acre-feet/year (afy)
PERIOD OF USE: Continuous for a single domestic and seasonal irrigation for 500 sq feet of lawn and garden	
PLACE OF USE: Parcel No. 681936 located within the NE $\frac{1}{4}$ of the NW $\frac{1}{4}$ of Section 34, T.20N., R.16 E.W.M.	PURPOSE OF USE: Single Domestic

<p>CONSUMPTIVE USE CALCULATION:</p> <p><b>Indoor use:</b> One residential connection at <b>350 gallons per day (gpd)</b> used continuously year round equates to 0.392 afy of water use. 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 = 0.118 afy</b></p> <p><b>Outdoor use:</b> The requestor proposes to irrigate <b>500 ft<sup>2</sup></b> of lawn and garden. Using a crop irrigation requirement of 18.11 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 afy. Consistent with WAC 173-539A-050(3), 90% of outdoor use is consumptively used, so:  <b>Outdoor consumptive use = 0.019 afy</b></p> <p><b>CU for the project totals to 0.137 afy</b>  <b>(CU April 1 to September 15 is 0.072 ac-ft and CU Sept 16 to October 31 is 0.017 ac-ft)</b></p>
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<p>NARRATIVE DESCRIPTION OF PROJECT:</p> <p>The requestor proposes to offset the 0.137 afy of consumptive use for the project (one residential connection and 500 ft<sup>2</sup> of lawn and garden) with 0.137 afy of mitigation water acquired from Trust Water Right No. CS4-01467@11sb3a(A). During the irrigation season, 0.017 ac-ft is assigned to the USBR-Ecology Exchange Contract (Contract No.</p>
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09XX101700) and released between September 16 and October 31 to address impacts along the Yakima River.

Review of the local area hydrogeology suggests that the proposed groundwater withdrawals under G4-35633 may result in flow impacts to the Teanaway and Yakima Rivers. Additionally, to address out-of-season flow impacts to the Teanaway River, \$500 will be placed into an account to be used for one or more upstream or headwater riparian corridor projects.

The parcel lies northwest of the Teanaway River, approximately a mile and a half (1.4 mile) upstream of the confluence of the Teanaway and Yakima Rivers. The elevation of the parcel is approximately 80 feet above the elevation of the Teanaway River.

WTWG Project form

### Location Map for G4-35633

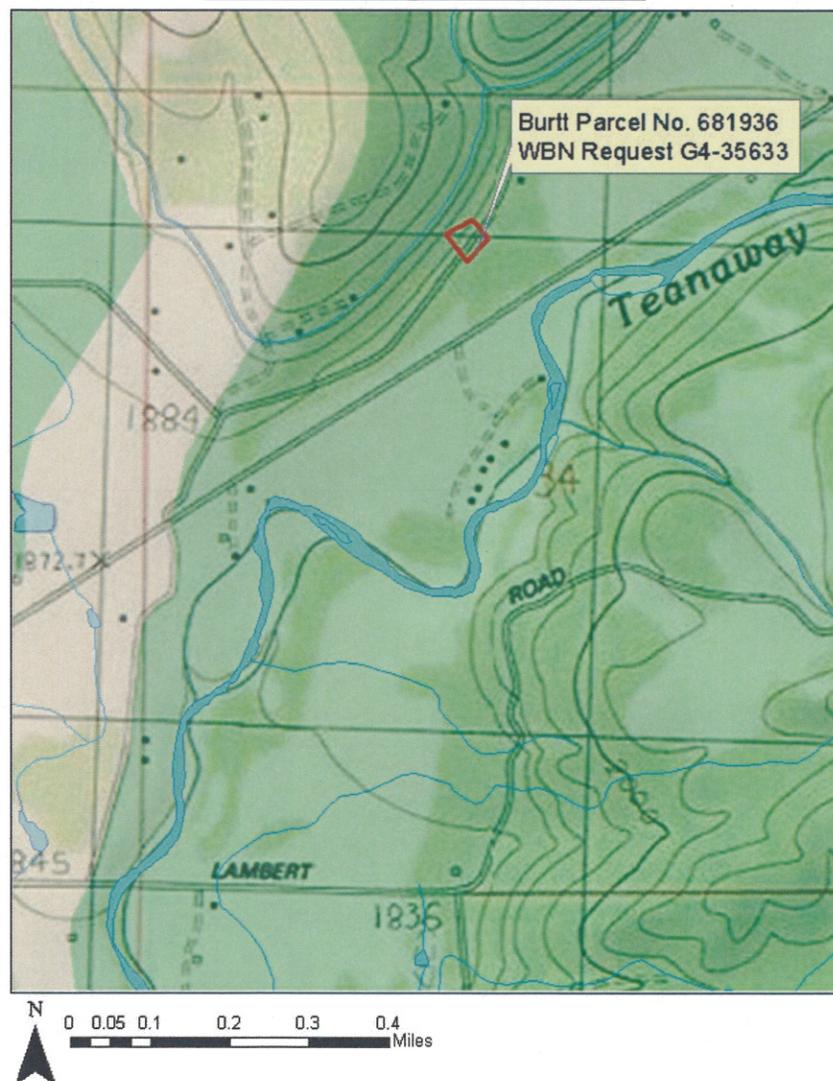


Figure 1: Location of the POU for the Burt's WBN request.