

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral (WBN) Request No. G4-35648 with mitigation from Trust Water Right No. CS4-01467@11sb3a(A)		
APPLICANT NAME Charley & Lanora Rosenberry	CONTACT NAME Jason McCormick	TELEPHONE NO. 509-607-3513
WATER RIGHT HOLDER'S NAME (if different) Washington Water Trust Masterson Water Bank		EMAIL jason@washingtonwatertrust.org

DATE OF APPLICATION September 27, 2013	PRIORITY DATE
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WATER SOURCE: Well (No Ecology Well Tag Number)	CROP: Noncommercial Lawn and Garden
INSTANTANEOUS QUANTITY: TBD	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. 314835 and 154835 located within the E½ of Section 14, T. 20 N., R. 16 E.W.M.	PURPOSE OF USE: Single Domestic
IRRIGATION METHOD:	

<p>CONSUMPTIVE USE CALCULATION:</p> <p>Indoor use: One residential connection at 350 gallons per day (gpd) 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: Indoor consumptive use = 0.118 afy</p> <p>Outdoor use: The requestor proposes to irrigate 500 ft² 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: Outdoor consumptive use = 0.019 afy</p> <p>CU for the project totals to 0.137 afy (CU April 1 to September 15 is 0.072 ac-ft and CU Sept 16 to October 31 is 0.017 ac-ft)</p>
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NARRATIVE DESCRIPTION OF PROJECT:

The requestor proposes to offset the 0.137 afy of consumptive use for the project (one residential connection and 500 ft² 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. 09XX101700) and released between September 16 and October 31 to address out-of-season impacts along the Yakima River. 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.

Review of the local area hydrogeology suggests that the proposed groundwater withdrawals under G4-35648 may result in flow impacts to the Teanaway River.

The subject parcels are located in the E½ of Section 14, T. 20 N., R. 16 E.W.M. The subject parcels are north of the Teanaway River, at an elevation of 2030 ± 20 feet above mean sea level and ~4.5 miles northeast of the confluence of the Yakima River and Teanaway River (~1820 ± 20 feet above msl). The parcel is located in the Teanaway River Valley.

WTWG Project form

Location Map for G4-35648

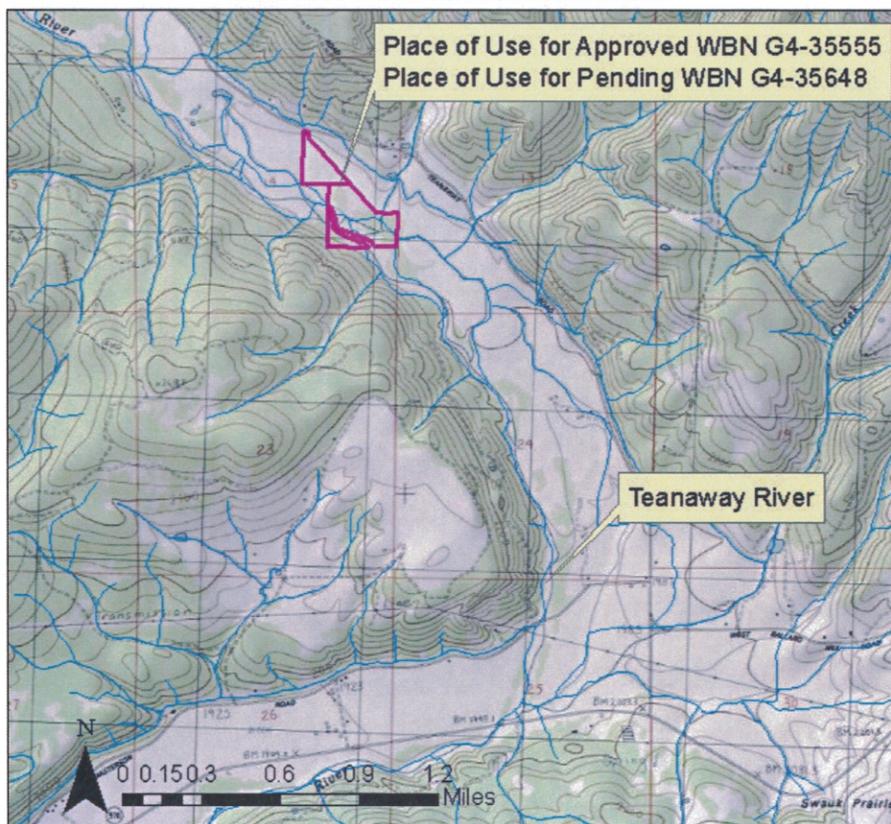


Figure 1: Location of the POU for the G4-35648 WBN request.