

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral (WBN) Request No. G4-35676 with mitigation from Trust Water Right No. CS4-01467@11sb3a(A)		
APPLICANT NAME Matthew Coe	CONTACT NAME Jason McCormick	TELEPHONE NO. 509-607-3513
WATER RIGHT HOLDER'S NAME (if different) Washington Water Trust		EMAIL jason@washingtonwatertrust.org

DATE OF APPLICATION 2/7/2014	PRIORITY DATE
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WATER SOURCE: Well (Ecology Well Id BAJ-040, additional development is needed for well to be viable)	CROP: Noncommercial Lawn and Garden
INSTANTANEOUS QUANTITY: 20 gpm	ANNUAL QUANTITY: 0.827 acre-feet/year (afy)
PERIOD OF USE: Continuous for two homes and seasonal irrigation for 1000 sq feet of lawn and garden	
PLACE OF USE: Parcel No. 952143 and 952144 located within the NE¼NW¼ of Section 29, T. 20 N., R. 14 E.W.M.	PURPOSE OF USE: Multiple Domestic
IRRIGATION METHOD:	

<p>CONSUMPTIVE USE CALCULATION:</p> <p>Indoor use: Two residential connections at 350 gallons per day (gpd) used continuously year round equates to 0.784 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 = 0.235 afy</p> <p>Outdoor use: The requestor proposes to irrigate 1000 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 0.043 afy. Consistent with WAC 173-539A-050(3), 90% of outdoor use is consumptively used, so: Outdoor consumptive use = 0.039 afy</p> <p>CU for the project totals to 0.274 afy (CU April 1 to September 15 is 0.143 ac-ft and CU September 16 to October 31 is 0.033 ac-ft)</p>

NARRATIVE DESCRIPTION OF PROJECT:

The requestor proposes to offset the 0.274 afy of consumptive use for the project (Two residential connections and 1000 ft² of lawn and garden) with 0.274 afy of mitigation water acquired from Trust Water Right No. CS4-01467@11sb3a(A). During the irrigation season, 0.033 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.

Review of the local area hydrogeology suggests that the proposed groundwater withdrawals under G4-35676 may result in flow impacts to the Yakima River.

WTWG Project form

Location Map for G4-35676

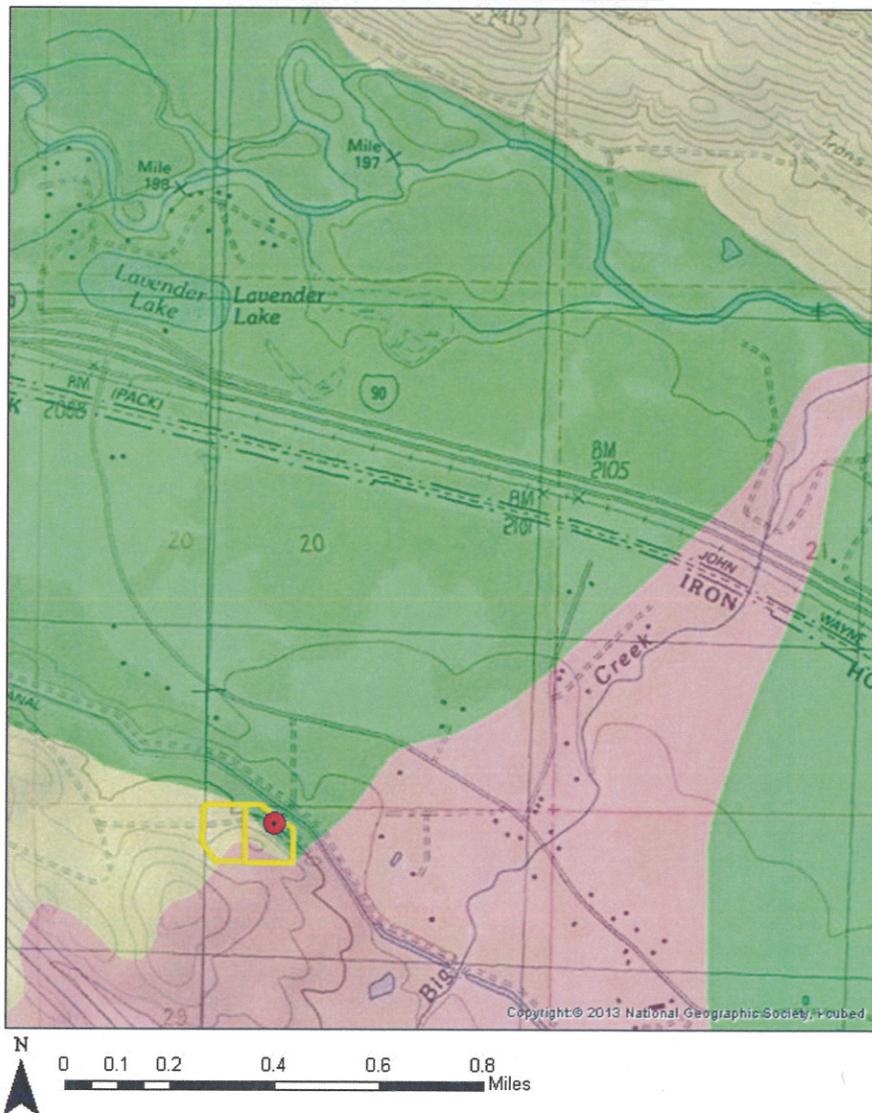


Figure 1: Location of the POU and well (red circle) for the G4-35676 WBN request.