WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral (WBN) Request No. G4-35641 with mitigation from Trust Water Right No. CS4-01968sb11a		
APPLICANT NAME Pauline Kanwetz & Edmund Connelly	CONTACT NAME Jeff Slothower	TELEPHONE NO. 509-925-6916
WATER RIGHT HOLDER'S NAME (if different) Williams & Amerivest Water Bank		EMAIL jslothower@lwhsd.com

DATE OF APPLICATION	PRIORITY DATE
August 9, 2013	

WATER SOURCE:	CROP:
Well (Ecology Tag No. ALC-697)	Noncommercial Lawn and Garden
INSTANTANEOUS QUANTITY: 10 gpm	ANNUAL QUANTITY: 0.430 acre-feet/year (afy)
PERIOD OF USE: Continuous for single domestic and seasonal irrigation for 500 sq feet of lawn and garden	
PLACE OF USE: Parcel No. 19387 located within the SW¼ of Section 8, T. 17 N., R.18 E.W.M.	PURPOSE OF USE: Single Domestic
IRRIGATION METHOD:	

CONSUMPTIVE USE CALCULATION:

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 = 0.1179 afy

Outdoor use: The requestor proposes to irrigate **500 ft^2** of lawn and garden. Using a crop irrigation requirement of 31.45 in/yr (or 2.62 ft/yr) for pasture/turf near Ellensburg from the Washington Irrigation Guide and an application efficiency of 80%, the total outdoor irrigation water use is 0.0376 afy.
Consistent with WAC 173-539A-050(3), 90% of outdoor use is consumptively used, so:
Outdoor consumptive use = 0.0338 afy
CU for the project totals to 0.151 afy
(CU April 1 to September 15 is 0.085 ac-ft and CU September 16 to March 31 is 0.066 ac-ft)

NARRATIVE DESCRIPTION OF PROJECT:

The requestor proposes to offset the 0.151 afy of consumptive use for the project (one residential connection and 500 ft^2 of lawn and garden) with 0.151 afy of mitigation water acquired from Trust Water Right No. CS4-01968sb11a. This WBN request does not rely on the USBR-Ecology Exchange Contract (Contract No. 09XX101700).

Review of the local area hydrogeology suggests that the proposed groundwater withdrawals under G4-35641 may result in flow impacts to Manastash Creek and the Yakima River.

The subject parcel is located 0.6 miles south of Manastash Creek and 2.6 miles west of the Yakima River on the western edge of the Kittitas Valley. The elevation of the parcel is approximately 1720 feet above median sea level (msl) and 220 feet above the elevation of the Yakima River.

WTWG Project form

Location Map for G4-35641

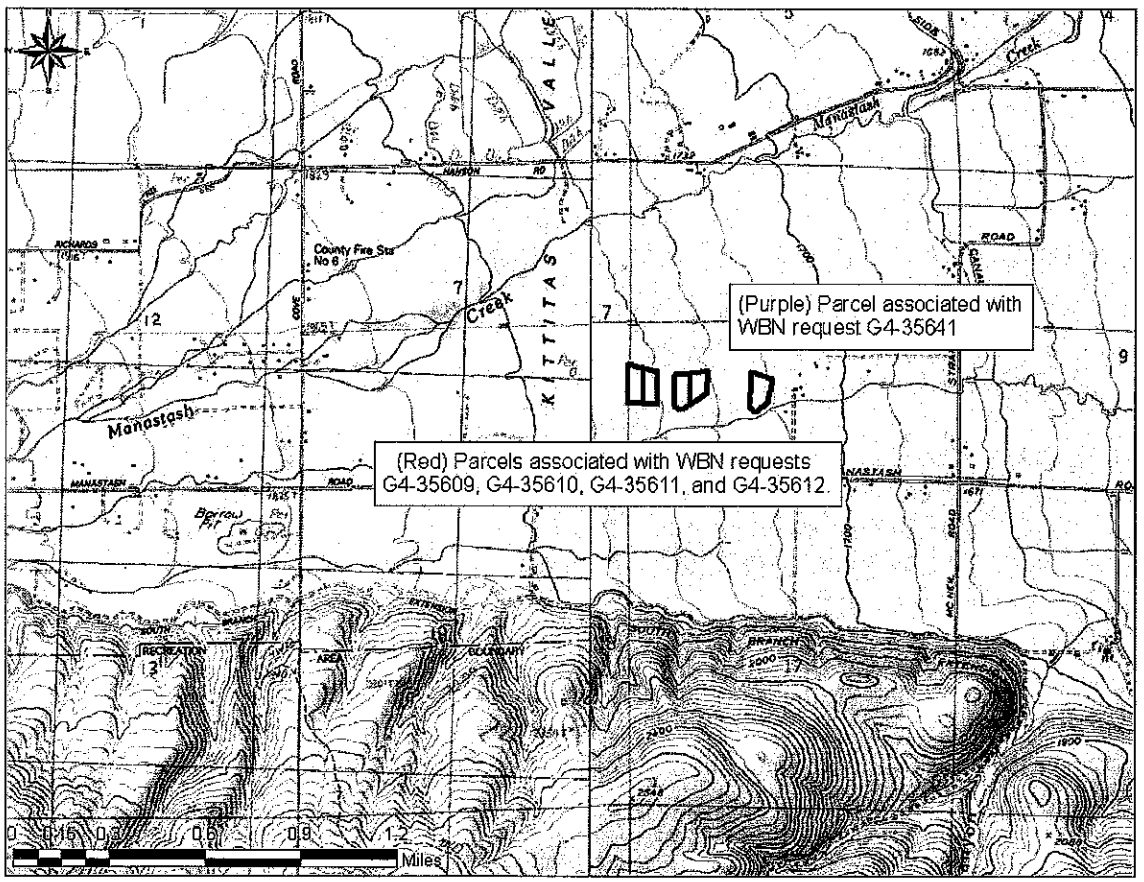

Figure 1: Location of the POU for the current WBN request, G4-35641 and approved WBN requests G4-35609, G4-35610, G4-35611, and G4-35612.