2016-04

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral Request No. G4-35772 with mitigation from Trust Water Right No. CS4-01467@11sb3a(A)		
APPLICANT NAME Quirt & Marilyn Taylor	CONTACT NAME Suzanne Blakeney	TELEPHONE NO. 509-929-2822
WATER RIGHT HOLDER'S NAME (if different) Mitigation with Washington Water Trust (Masterson) Trust Water Right		EMAIL

DATE OF APPLICATION	PRIORITY DATE
July 13, 2015	

WATER SOURCE:	CROP:
Well (Tag ID No. AKL-731)	Lawn or noncommercial garden
INSTANTANEOUS QUANTITY:	ANNUAL QUANTITY: 0.414 acre-ft/yr
PERIOD OF USE: Continuous for single indoor domestic connection and irrigation season for lawn and garden	
PLACE OF USE: Parcel No. 376036, located within the NE¼ of Section 33, T. 20 N., R. 16 E.W.M.	PURPOSE OF USE: Single domestic and Irrigation of 500 ft^2 lawn or garden
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, or:
(350 gpd per connection) x (365 days) x (one connection) x (1.0 ac-ft/325,851gal) = 0.392 afy
Consistent with WAC 173-539A-050(3), 30% of domestic in-house use on a septic system is consumptively used, therefore:
Indoor consumptive use = (0.392 afy) x (0.30) = **0.118 afy**

Outdoor use: The requestor proposes to irrigate 500 ft^2 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, or:
[(1.51 ft/yr) ÷ 0.80] x (500 ft^2 ÷ 43560 ft^2/ac) = 0.022 afy
Consistent with WAC 173-539A-050(3), 90% of outdoor use is consumptively used, so:
Outdoor consumptive use = (0.022 afy) x (0.90) = **0.019 afy**

Total Use = 0.414 afy

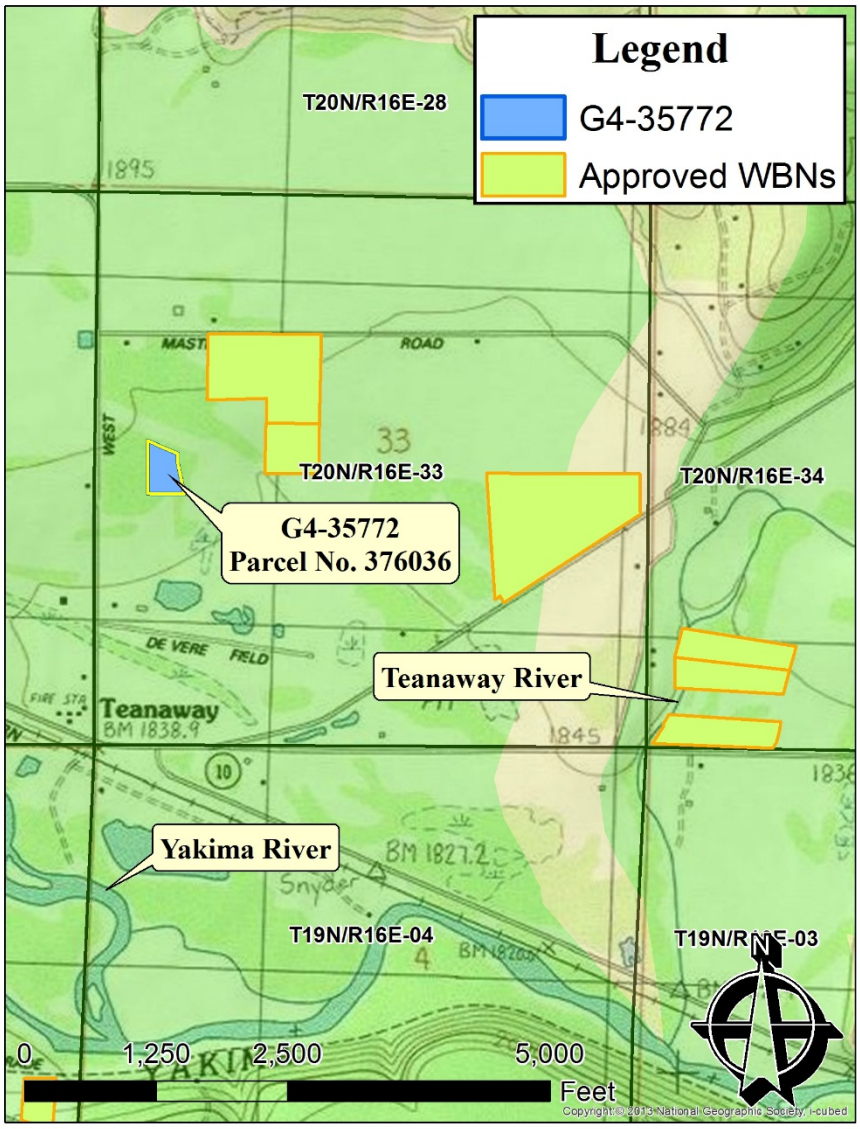
CU = 0.137 afy

NARRATIVE DESCRIPTION OF PROJECT:

The project is located near the Teanaway River approximately 4 miles east of Cle Elum in a “green” area as noted in the current Masterson Trust Water Right suitabililty map.

The requestor proposes to offset the 0.137 afy of consumptive use for the project (one residential connection and 500 ft^2 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, 0.072 afy, associated with the September 1 and March 31 use, will be assigned to the USBR-Ecology Exchange Contract (Contract No. 09XX101700) to address out-of-season flow impacts to the Yakima River.

Review of the local area hydrogeology suggests that the proposed withdrawals will likely result in flow impacts to the Yakima River south of the subject property.

WTWG Project form

Location of G4-35772