2016-56

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral Request No. G4-35806 with mitigation from Trust Water Right No. CS4-00914sb3		
APPLICANT NAME Tony & Kathy Selmer	CONTACT Suzanne Blakeney	CONTACT'S TELEPHONE NO 509-607-3513
WATER RIGHT HOLDER'S NAME (if different) Masterson Ranch		CONTACT'S EMAIL suzanne@washingtonwatertrust.org

DATE OF APPLICATION
November 20, 2015

WATER SOURCE: Well	CROP: Lawn and\or noncommercial garden
INSTANTANEOUS QUANTITY: TBD	ANNUAL QUANTITY: 0.414 ac-ft/yr
PERIOD OF USE: Continuous for 1 domestic connection and season irrigation for lawn and\or garden	
PLACE OF USE: Parcel No. 478536, located within the NW¼,SW¼ of Section 11, T. 20 N., R. 16 E.W.M.	PURPOSE OF USE: Domestic and irrigation of 500 square feet of lawn and\or garden

CONSUMPTIVE USE CALCULATION:

Indoor use: 1 residential connection at 350 gallons per day (gpd) used continuously year round equates to 0.392 ac-ft/yr of water use, or:
Consistent with WAC 173-539A-050(3), 30% of domestic in-house use on a septic system is consumptively used, therefore:
Indoor consumptive use (CU) = 0.118 ac-ft/yr

Outdoor use: The requestor proposes to irrigate 500 ft^2 of lawn and/or garden. Using a crop irrigation requirement of 18.10 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 ac-ft/yr.
Consistent with WAC 173-539A-050(3), 90% of outdoor use is consumptively used, so:
Outdoor consumptive use = 0.019 ac-ft/yr

Total consumptive use = 0.137 ac-ft/yr

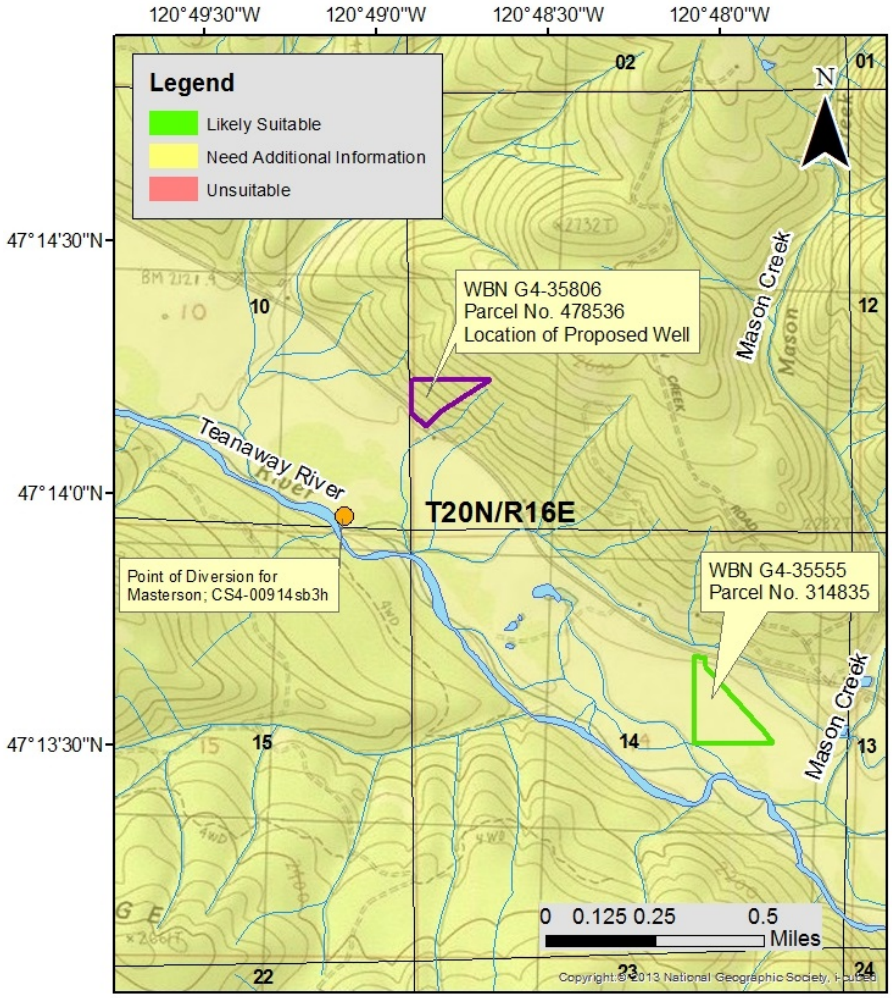
Contract water = 0.017 ac-ft/yr for the period September 16 to October 31

NARRATIVE DESCRIPTION OF PROJECT:

The parcel is located in the Teanaway River valley, approximately 4.5 miles NE of the confluence of the Yakima and Teanaway River "yellow area" as noted in the current Masterson Trust Water Right. The parcel is located in the "green area" for mitigation offered through Tidwell Water Right.

The requestor proposes to offset the 0.137 ac-ft/yr of consumptive use for the project (1 residential connection and 500 ft^2 of lawn and garden) with 0.137 ac-ft/yr of mitigation water acquired from Trust Water Right NoCS4-00914sb3. 0.017 ac-ft is assigned to the USBR-Ecology Exchange Contract (Contract No. 09XX101700). 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 well would likely capture water that would otherwise discharge to the unnamed stream to the south of the well, the Teanaway River, and ultimately the Yakima River.

WTWG Project form

Location of G4-35806