

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral Request No. G4-35843 with mitigation from Trust Water Right No. CS4-01676sb5d@2b(B)		
APPLICANT NAME	CONTACT	CONTACT'S TELEPHONE NO
William C & Karen M Baker	Erin Moore	509-962-7698
WATER RIGHT HOLDER'S NAME (if different)		CONTACT'S EMAIL
Kittitas County (Roth)		Erin.moore@co.kittitas.wa.us

DATE OF APPLICATION
April 20, 2016

WATER SOURCE: Well	CROP: Lawn and/or noncommercial garden
INSTANTANEOUS QUANTITY: TBD	ANNUAL QUANTITY: 0.330 ac-ft/yr
PERIOD OF USE: Continuous for 1 domestic connection and season irrigation for lawn and/or garden	
PLACE OF USE: Parcel No. 853034, located within the NE ¹ / ₄ , NE ¹ / ₄ of Section 22, T. 20 N., R. 15 E.W.M.	PURPOSE OF USE: Domestic and irrigation of 500 square feet of lawn and/or garden

<p>CONSUMPTIVE USE CALCULATION:</p> <p>Indoor use: 1 residential connection at 275 gallons per day (gpd) used continuously year round equates to 0.308 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) = 0.092 ac-ft/yr</p> <p>Outdoor use: The requestor proposes to irrigate 500 ft² 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</p> <p>Total consumptive use = 0.112 ac-ft/yr</p> <p>Contract water = 0.057 ac-ft/yr for the period September 1 to March 31</p>

NARRATIVE DESCRIPTION OF PROJECT:

The subject parcel is located to the north of Cle Elum, near the top of Green Canyon located in the NW¼NE¼, Section 22, T. 20 N., R. 15 E.W.M. The Roth Suitability Map (Trust Water Right CS4-05216sb5a(B)) indicates that the subject parcel is within the “yellow” area.

The requestor proposes to offset the 0.112 ac-ft/yr of consumptive use for the project (1 residential connection and 500 ft² of lawn and garden) with 0.112 ac-ft/yr of mitigation water acquired from Trust Water Right No. CS4-01676sb5d@2b(B). 0.057 ac-ft is assigned to the USBR-Ecology Exchange Contract (Contract No. 09XX101700).

Review of the local area hydrogeology suggests that the proposed well would likely capture water that would otherwise discharge to the unnamed tributaries of Crystal Creek, the intermittent stream that occupies Greens Canyon, and ultimately the Yakima River.

WTWG Project form

Location of G4-35843

