

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral Request No. G4-35779(B) with mitigation from Trust Water Right No. CS4-01939sb9		
APPLICANT NAME Mark Berger	CONTACT NAME Anne Watanabe	TELEPHONE NO. 509-945-0107
WATER RIGHT HOLDER'S NAME (if different) Mitigation with Western Water Partner's (Kuchin) Trust Water Right		EMAIL anew@inlandcellular

DATE OF APPLICATION August 6, 2015	
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WATER SOURCE: Well(s)	CROP: Lawn or noncommercial garden
INSTANTANEOUS QUANTITY: TBD	ANNUAL QUANTITY: 0.659 acre-feet/year (afy)
PERIOD OF USE: Continuous for multiple indoor domestic connections and irrigation season for lawn and garden	
PLACE OF USE: Parcel Nos. 952803 and 952805, located within the NW¼ of Section 35, T. 20 N., R. 15 E.W.M.	PURPOSE OF USE: Multiple Domestic Use (2 lots) and Total Irrigation of 1,000 ft ² lawn or garden

<p>CONSUMPTIVE USE CALCULATION:</p> <p>Indoor use: Two residential connection at 275 gallons per day (gpd) used continuously year round equates to 0.616 afy of water use, or: $(275 \text{ gpd per connection}) \times (365 \text{ days}) \times (\text{two connections}) \times (1.0 \text{ ac-ft}/325,851 \text{ gal}) = 0.616 \text{ afy}$ Consistent with WAC 173-539A-050(3), 30% of domestic in-house use on a septic system is consumptively used, therefore: Indoor consumptive use = $(0.616 \text{ afy}) \times (0.30) = \mathbf{0.185 \text{ afy}}$</p> <p>Outdoor use: The requestor proposes to irrigate 1,000 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, or: $[(1.51 \text{ ft/yr}) \div 0.80] \times (1,000 \text{ ft}^2 \div 43,560 \text{ ft}^2/\text{ac}) = 0.043 \text{ afy}$ Consistent with WAC 173-539A-050(3), 90% of outdoor use is consumptively used, so: Outdoor consumptive use = $(0.043 \text{ afy}) \times (0.90) = \mathbf{0.039 \text{ afy}}$</p> <p>Total Use: 0.659 afy</p> <p>Consumptive Use: 0.224 afy</p> <p>Contract Water: 0.115 afy (equates to September 1 – March 31 use)</p>

NARRATIVE DESCRIPTION OF PROJECT:

The proposed uses are located approximately 1/2 mile south from the city of Cle Elum in a “green” area as noted in the current Trust Water Right suitability map.

The requestor proposes to offset the 0.224 afy of consumptive use for the project (two residential connections and 1,000 ft² of lawn and garden) with 0.224 afy of mitigation water acquired from Trust Water Right No. CS4-01939sb9. During the irrigation season, 0.115 afy is assigned to the USBR-Ecology Exchange Contract (Contract No. 09XX101700) to address flow impacts to the Yakima River. In addition to the consumptive use of the project, Ecology will assign 0.038 ac-ft of the Trust Water Right to be managed within the Trust Water Right Program for instream flow purposes to benefit the Yakima River.

Review of the local area hydrogeology suggests that the proposed withdrawals under G4-34779(B) will result in flow impacts to Yakima River north of the subject lots.

WTWG Project form

Location Map for G4-35779(B)

