

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral Request No. G4-35673 with mitigation from Trust Water Right No. CS4-0174CTCLsb10		
APPLICANT NAME Robert B & Pauline T Siddoway	CONTACT Danielle Squeochs	CONTACT'S TELEPHONE NO 509-575-2396
WATER RIGHT HOLDER'S NAME (if different) Jerry Williams		CONTACT'S EMAIL daja461@ecy.wa.gov

DATE OF APPLICATION February 03, 2014	PRIORITY DATE February 3, 2014; mitigated by trust water right with June 30, 1881 priority date
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WATER SOURCE: Well	CROP: Lawn and\or noncommercial garden
INSTANTANEOUS QUANTITY: TBD	ANNUAL QUANTITY: 0.414 acre-ft/yr
PERIOD OF USE: Continuous for 1 domestic connection and season irrigation for lawn and\or garden	
PLACE OF USE: Parcel No. 656635, located within the SE¼ of Section 07, T. 21 N., R. 13 E.W.M.	PURPOSE OF USE: Domestic and irrigation of 500 square feet of lawn and\or garden
IRRIGATION METHOD: Sprinkler	

<p>CONSUMPTIVE USE CALCULATION:</p> <p>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</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>Consumptive use for the project totals to 0.137 ac-ft/yr (CU for the period of April 1 to October 15 is 0.083 ac-ft and CU for the period October 16 to March 31 is 0.054 ac-ft)</p>

NARRATIVE DESCRIPTION OF PROJECT:

The requestor proposes to offset the 0.137 ac-ft/yr of consumptive use for the project (1 residential connection and 500 ft² of lawn and garden) with 0.137 ac-ft/yr of mitigation water acquired from Trust Water Right No. CS4-0174CTCLsb10. 0.054 ac-ft is assigned to the USBR-Ecology Exchange Contract (Contract No. 09XX101700) to address out of season impacts along the Yakima River.

The proposed well is to be located in parcel 656635. The Jerry Williams Trust Water Right does not have a suitability map associated with the use.

The subject application is to provide water supply to one proposed residence and up to 500 ft² of lawn. The parcel is on private land located on the west side of Lake Kachess, off Via Kachess Rd. Withdrawal of groundwater will occur from a 220-foot deep bedrock well (located about 2,000 feet from Lake Kachess). Review of the local area hydrogeology suggests that withdrawals will most likely impact Lake Kachess.

Copies of the Draft Hydrogeology Memo for the subject water budget neutral request are available on request from Ecology. For a copy, please contact Danielle Squeochs at (509) 575-2396, daja@ecy.wa.gov.

WTWG Project form

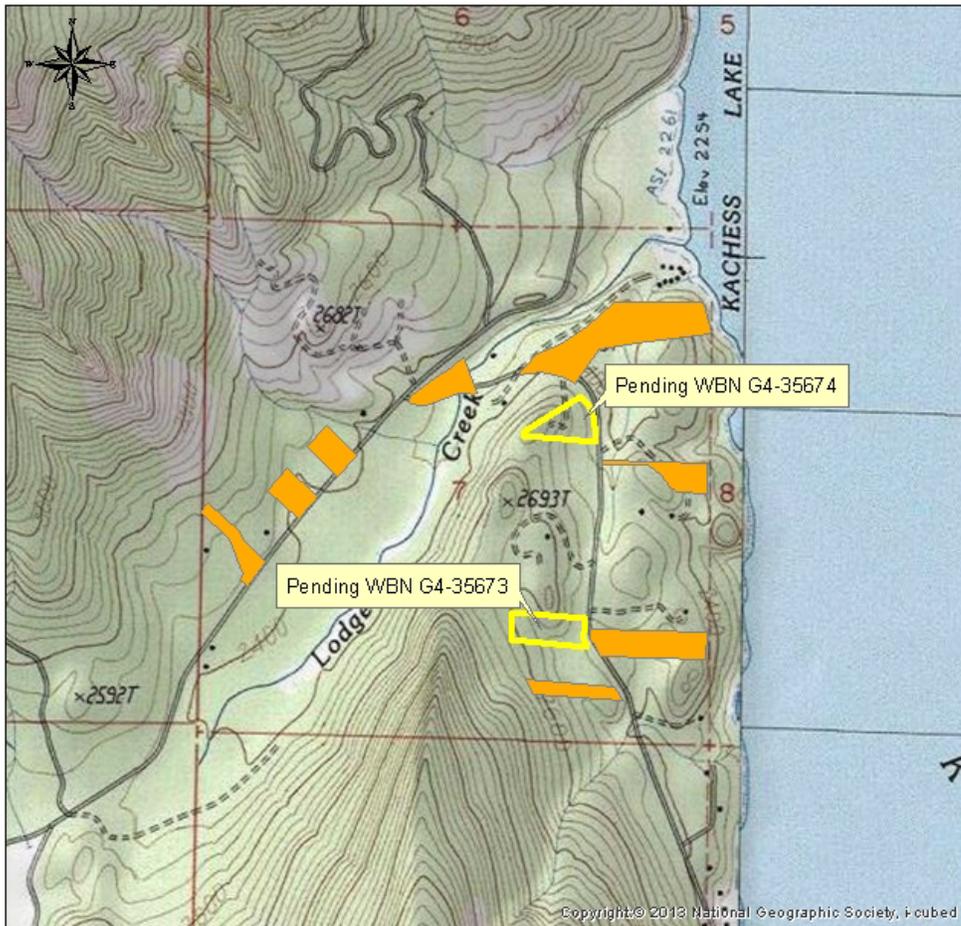


Figure 1: Map for WBN Applications G4-35673 and G4-35674. Parcels with previously approved WBNs are shown in orange.