

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral (WBN) Request No. G4-35685 with mitigation from Trust Water Right No. S4-05259CTCL@2sb7		
APPLICANT NAME William Chappell	CONTACT NAME Jessica Kuchan	TELEPHONE NO. 206-838-7650
WATER RIGHT HOLDER'S NAME (if different) Suncadia		EMAIL kuchan@mentorlaw.com

DATE OF APPLICATION 3/24/2014	PRIORITY DATE
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WATER SOURCE: Well (Not yet drilled)	CROP: Noncommercial Lawn and Garden
INSTANTANEOUS QUANTITY: TBD	ANNUAL QUANTITY: 0.414 acre-feet/year (afy)
PERIOD OF USE: Continuous for a single domestic and seasonal irrigation for 500 sq feet of lawn and garden	
PLACE OF USE: Parcel No. 332534 located within the NW ¹ / ₄ NW ¹ / ₄ of Section 10, T. 20 N., R. 14 E.W.M.	PURPOSE OF USE: Single Domestic
IRRIGATION METHOD:	

<p>CONSUMPTIVE USE CALCULATION:</p> <p>Indoor use: One residential connection at 350 gallons per day (gpd) used continuously year round equates to 0.392 afy of water use. Consistent with WAC 173-539A-050(3), 30% of domestic in-house use on a septic system is consumptively used, therefore: Indoor consumptive use = 0.118 afy</p> <p>Outdoor use: The requestor proposes to irrigate 500 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 0.022 afy. Consistent with WAC 173-539A-050(3), 90% of outdoor use is consumptively used, so: Outdoor consumptive use = 0.019 afy CU for the project totals to 0.137 afy (CU April 1 to August 31 is 0.065 ac-ft and CU Sept 1 to March 31 is 0.072 ac-ft)</p>
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NARRATIVE DESCRIPTION OF PROJECT:
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. S4-05259CTCL@2sb7. During the irrigation season, 0.072 ac-ft is assigned to the USBR-Ecology Exchange Contract (Contract No. 09XX101700) and released between September 1 and March 31 to address out-of-season impacts along the Yakima River.

Review of the local area hydrogeology suggests that the proposed groundwater withdrawals under G4-35685 may result in flow impacts to Cle Elum Lake.

WTWG Project form

Location Map for G4-35685

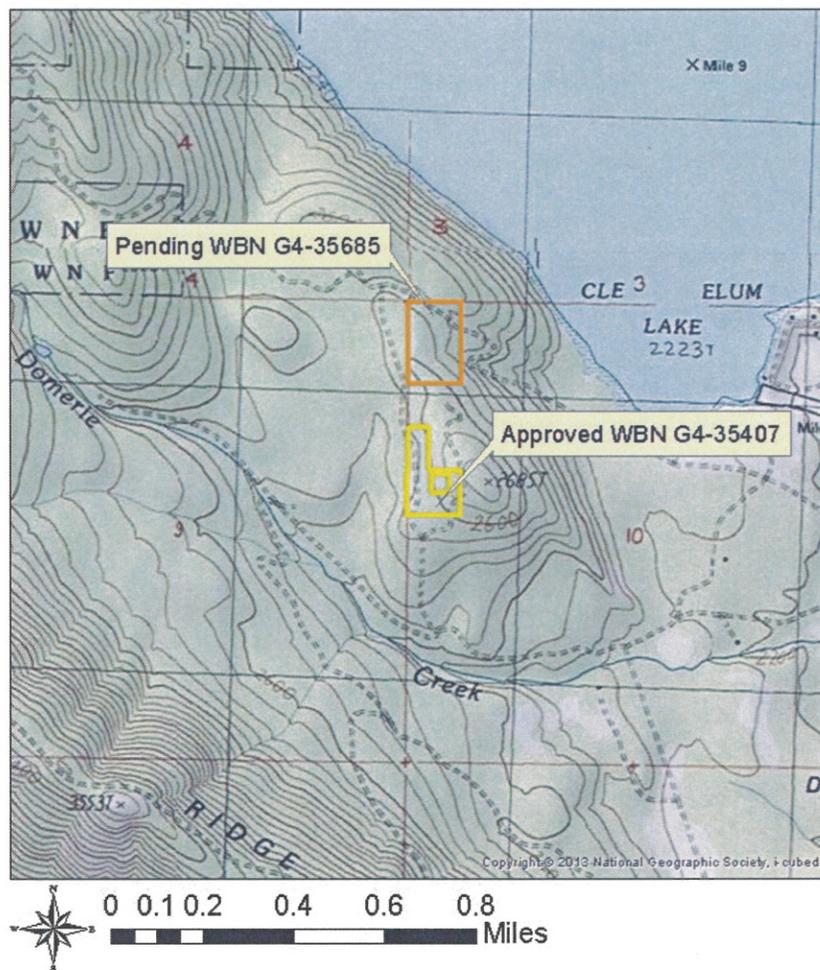


Figure 1: Location of the POU for the G4-35685 WBN request.