

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO. Water Budget Neutral (WBN) Request No. G4-35613 with mitigation from Trust Water Right No. S4-05259CTCL@2sb7		
APPLICANT NAME Barry & Cassandra Korthuis	CONTACT NAME Jessica Kuchan	TELEPHONE NO. 206-838-7650
WATER RIGHT HOLDER'S NAME (if different) Suncadia		EMAIL kuchan@mentorlaw.com

DATE OF APPLICATION April 19 th , 2013	PRIORITY DATE
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WATER SOURCE: Well (Ecology Tag No. ALE-963)	CROP: Lawn or noncommercial garden
INSTANTANEOUS QUANTITY: Not Specified	ANNUAL QUANTITY: 1.655 acre-feet/year(afy)
PERIOD OF USE: Continuous for multiple indoor domestic connections (4) and seasonal irrigation for 2000 sq feet of lawn and garden	
PLACE OF USE: Parcel No. 950346, 950348, 950349, and 950351 located within the SW ¹ / ₄ of Section 1, T. 19 N., R. 14 E.W.M.	PURPOSE OF USE: Multiple domestic
IRRIGATION METHOD:	

CONSUMPTIVE USE CALCULATION:

Indoor use: Four residential connections at **1400 gallons per day (gpd)** used continuously year round equates to 1.568 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 = 0.470 afy

Outdoor use: The requestor proposes to irrigate **2000 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 0.087 afy

Consistent with WAC 173-539A-050(3), 90% of outdoor use is consumptively used, so:

Outdoor consumptive use = 0.078 afy

CU for the project totals to 0.548 afy

(CU April 1 to August 31 is 0.260 ac-ft and CU Sept 1 to March 31 is 0.288 ac-ft)

NARRATIVE DESCRIPTION OF PROJECT:

The requestor proposes to offset the 0.548 afy of consumptive use for the project (four residential connections and 2000 ft² of lawn and garden) with 0.548 afy of mitigation water acquired from Trust Water Right No. S4-05259CTCL@2sb7. During the irrigation season, 0.288 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 G4-35613 may result in flow impacts to the Yakima River.

The subject parcel is located on the NE side of a topographic high between Spex Arth Creek to the East and Peterson/Fowler Creek drainage to the West, approximately 5 miles southwest of Cle Elum.

Location Map for G4-35613

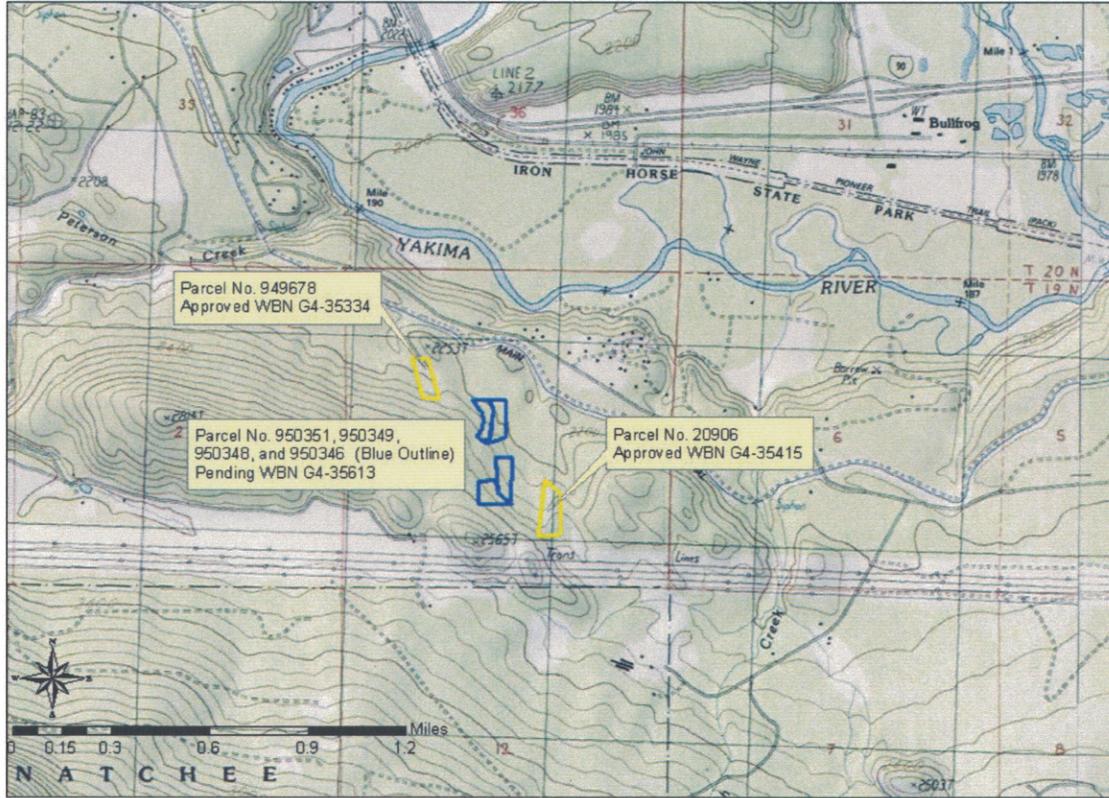


Figure 1: Location of the POU for the Korthuis WBN request (blue outline)