WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral (WBN) Request No. G4-35725; mitigation from Trust Water Right No. S4-05259CTCL@2sb7		
APPLICANT NAME Roger H and Karen W Childs Living Trust	CONTACT NAME Jessica Kuchan	TELEPHONE NO. 206-838-7650
WATER RIGHT HOLDER'S NAME (if different)		EMAIL Kuchan@mentorlaw.com

DATE OF APPLICATION	PRIORITY DATE
10/20/2014	

WATER SOURCE:	CROP:
One existing well (ID ACL-805) in Parcel 949898, in the NE¼ SW¼ of Section 1, T19N, R14E.	Non-commercial lawn and garden.
INSTANTANEOUS QUANTITY: Not provided	ANNUAL QUANTITY: 0.414 acre-feet/year (afy)
PERIOD OF USE: Continuous for a single domestic and seasonal for 500 sq ft lawn and garden.	
PLACE OF USE: Parcel No. 949898, located in the NE¼ SW¼ of Section 1, T19N, R14E.	PURPOSE OF USE: Single Domestic home and seasonal lawn and garden.
IRRIGATION METHOD: None	

CONSUMPTIVE USE CALCULATION:

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

Outdoor use: The requestor proposes to irrigate **500 ft^2** 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

NARRATIVE DESCRIPTION OF PROJECT:

Parcel No. 949898 is located on the northeast side of a topographic high between Spex Arth Creek and Peterson/Fowler Creek, approximately 4 miles southwest of the City of Cle Elum. It is in the NE¼ SW¼ of Section 1, T19N, R14E, in a yellow suitability zone for the New Suncadia LLC water bank (Figure 1).

Previous hydrogeology evaluations have been performed for nearby WBN requests, and the conclusions of those reports adequately apply to request G4-35725. Results show that existing well drilled within Parcel No. 949898 would likely capture water that would otherwise discharge to the Yakima River.

The requestor proposes to offset the 0.137 afy of consumptive use for the project (one residential connection and seasonal 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. In addition to the consumptive use, 0.024 afy of the Trust Water Right will be assigned to be managed within the Trust Water Right Program for instream flow purposes to benefit the Yakima River.

WTWG Project form

Location Map for G4-35725

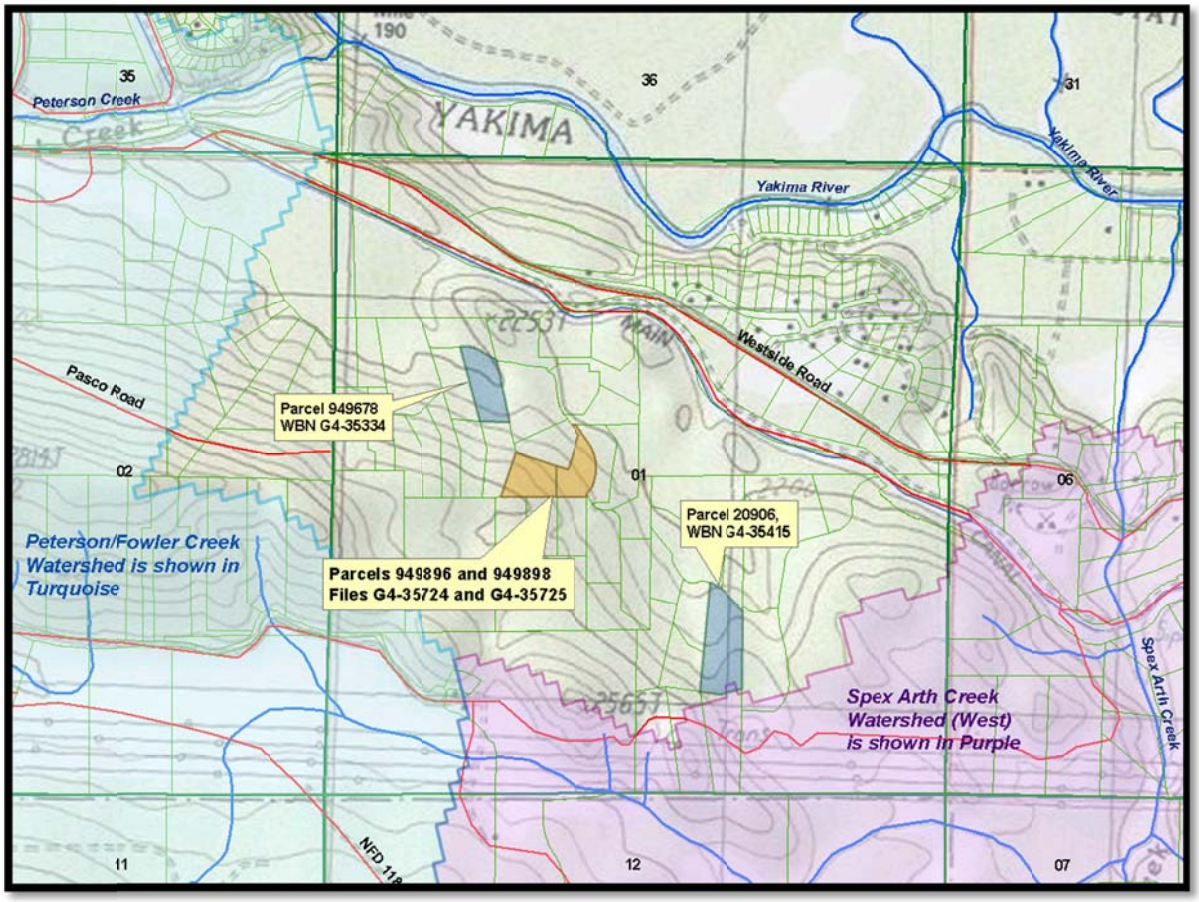

Figure 1: Location of Parcels 949896 and 949898 (in orange) for WBN requests G4-35724 and G4-35725. Locations of previously-approved WBN requests G4-35334 and G4-35415 are shown, as are outlines of Peterson/Fowler Creek and Spex Arth Creek Watersheds.