WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral Request No. G4-35617 with mitigation from Trust Water Right No. CS4-05259CL@2sb7		
APPLICANT NAME Devin & Amy Casto	CONTACT NAME Jessica Kuchan	TELEPHONE NO. 206-838-7650
WATER RIGHT HOLDER'S NAME (if different) Mitigation with Suncadia Trust Water Right		EMAIL

DATE OF APPLICATION	PRIORITY DATE
April 25, 2013	

WATER SOURCE:	CROP:
well	Lawn or noncommercial garden
INSTANTANEOUS QUANTITY:	ANNUAL QUANTITY: 0.414 acre-ft/yr
PERIOD OF USE: Continuous for single indoor domestic connection / irrigation season for lawn and garden	
PLACE OF USE: Parcel No. 953975, located within the SE¼ of Section 7, T. 19 N., R. 16 E.W.M.	PURPOSE OF USE: Single domestic and Irrigation of 500 ft^2 lawn or garden
IRRIGATION METHOD:	

CONSUMPTIVE USE CALCULATION:

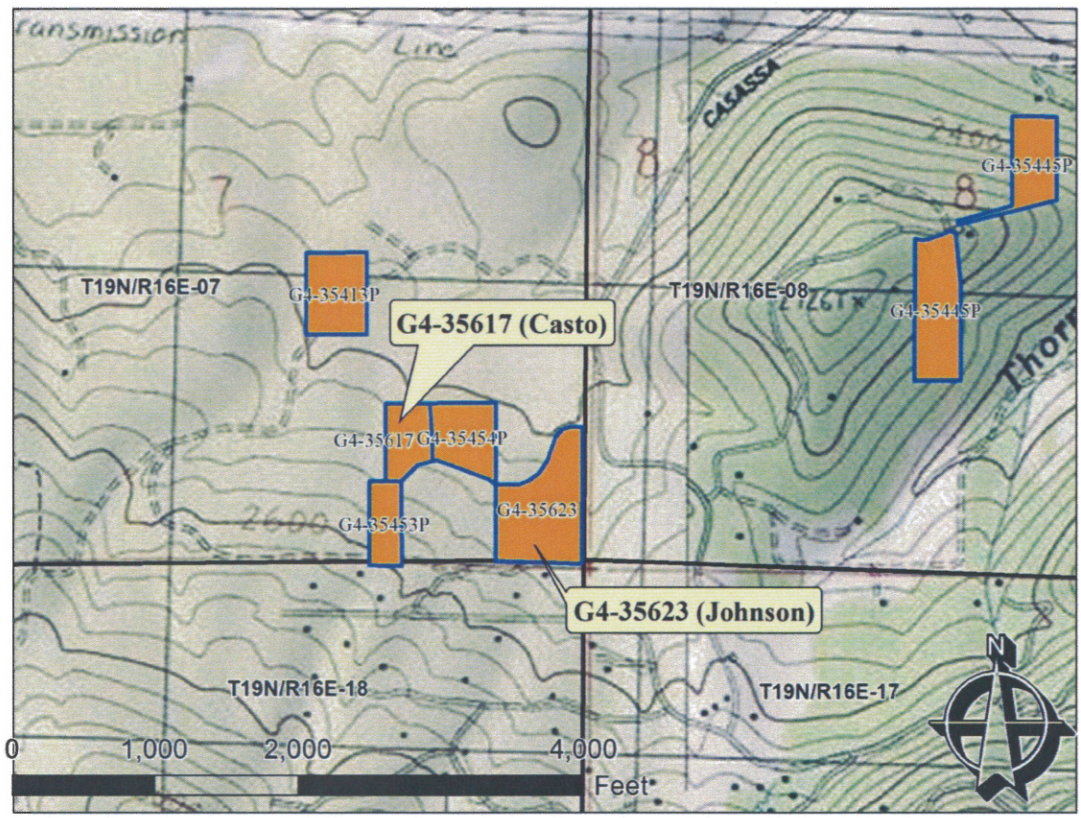
Indoor use: One residential connection at 350 gpd year round is 0.392 afy of water use. Consistent with WAC 173-539A-050(3), 30% of domestic in-house use on a septic system is consumptively used, therefore:
Indoor consumptive use = 0.118 afy

Outdoor use: Irrigation of 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
(CU April 1 to Aug 31 is 0.065 ac-ft and CU Sept 1 to Mar 31 is 0.072 ac-ft)

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 Suncadia Trust Water Right No. CS4-05259CL@2sb7. During irrigation season, 0.072 ac-ft is assigned to the USBR Exchange Contract (No. 09XX101700) and released between Sept 1 and Mar 31 to address out of season impacts along the Yakima River. Ecology assigns 0.024 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.

The proposed well for the new use is to be located in an area that needed additional information ("yellow area") to determine the suitability of the Suncadia Trust Water Rights for use as mitigation to offset the new use. Review of the local area hydrogeology suggests that pumping under G4-35617 would result in flow impacts to local unnamed streams and the Yakima River.

WTWG Project form

Location of G4-35617