WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral (WBN) Request No. G4-35642 with mitigation from Trust Water Right No. CS4-01467@11sb3a(A)		
APPLICANT NAME Georgios Chrysanthakopoulos	CONTACT NAME Jason McCormick	TELEPHONE NO. 509-607-3513
WATER RIGHT HOLDER'S NAME (if different) Washington Water Trust Masterson		EMAIL jason@washingtonwatertrust.org

DATE OF APPLICATION	PRIORITY DATE
8/16/2013	

WATER SOURCE: Well (Ecology Well Id AEQ-980)	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. 346136 located within the W½ of Section 31, T. 20 N., R. 17 E.W.M.	PURPOSE OF USE: Single Domestic
IRRIGATION METHOD:	

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 0.0.137 afy
(CU April 1 to September 15 is 0.072 ac-ft and CU Sept 16 to October 31 is 0.017 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 Trust Water Right No. CS4-01467@11sb3a(A). During the irrigation season, 0.017 ac-ft is assigned to the USBR-Ecology Exchange Contract (Contract No. 09XX101700) and released between September 16 and October 31 to address out-of-season impacts along the Yakima River. Additionally, to address out-of-season flow impacts to the Teanaway River, $500 will be placed into an account to be used for one or more upstream or headwater riparian corridor projects.

Review of the local area hydrogeology suggests that the proposed groundwater withdrawals under G4-35642 may result in flow impacts to the unnamed ephemeral stream, Musser Creek and/or the Teanaway River.

The proposed place of use is located south of the Teanaway River, on the north slope of Lookout Mountain. The parcel is located in the W½ of Section 31, T20N, R17E and within Kittitas County Parcel No. 346136 (Figure 1). The elevation of the parcel is approximately ~750 feet above the Teanaway River.

WTWG Project form

Location Map for G4-35642

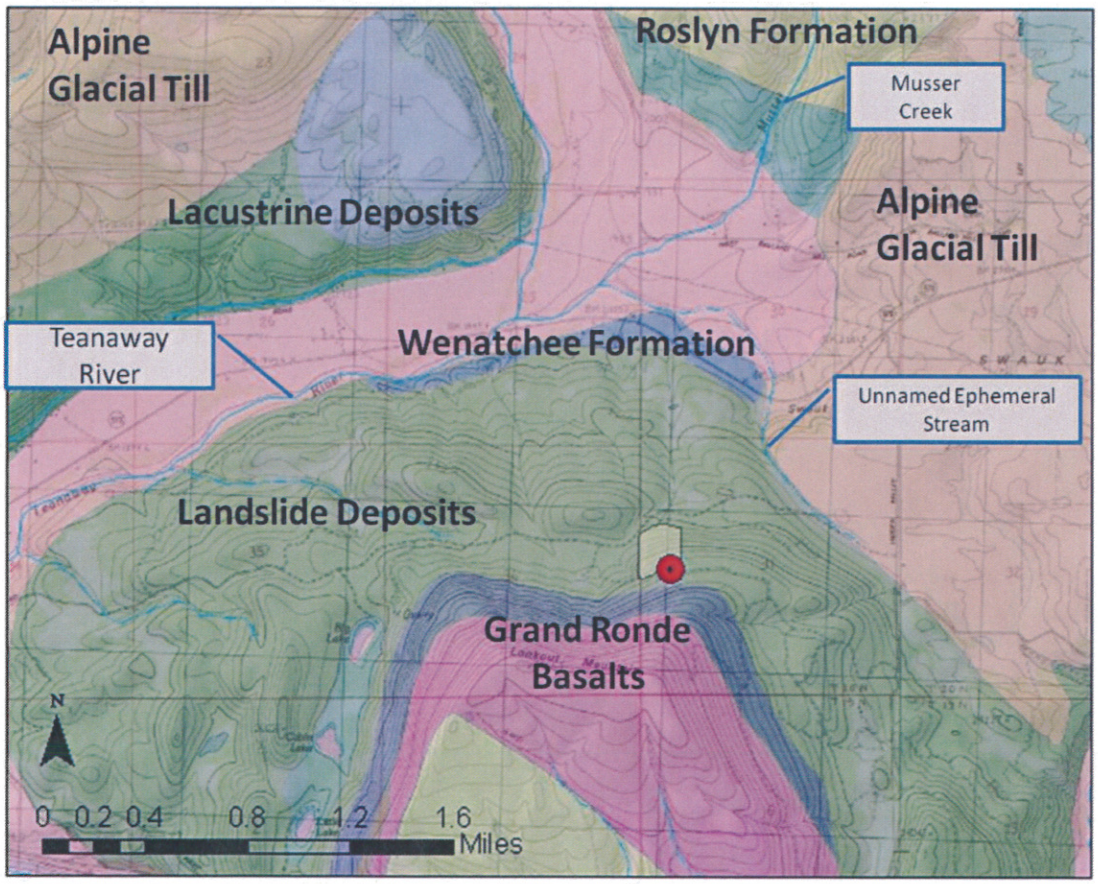

Figure 1: Location of the POU for the G4-35642 WBN request.