

## WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral (WBN) Request No. G4-35729 with mitigation from Trust Water Right No. CS4-00714sb2		
APPLICANT NAME Darren Buck	CONTACT NAME Jill Van Hulle	TELEPHONE NO. 360-413-1510
WATER RIGHT HOLDER'S NAME (if different) Land Loyd Development		EMAIL jill@pgwg.com

DATE OF APPLICATION 11/10/2014	PRIORITY DATE
-----------------------------------	---------------

WATER SOURCE: Well (BAN-879)	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. 952081 located within the SE¼ of Section 2, T. 19 N., R. 14 E.W.M.	PURPOSE OF USE: Single Domestic
IRRIGATION METHOD:	

<p>CONSUMPTIVE USE CALCULATION:</p> <p><b>Indoor use:</b> One residential connection at <b>350 gallons per day</b> (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: <b>Indoor consumptive use = 0.118 afy</b></p> <p><b>Outdoor use:</b> The requestor proposes to irrigate <b>500 ft<sup>2</sup></b> 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: <b>Outdoor consumptive use = 0.019 afy</b> <b>CU for the project totals to 0.137 afy</b> <b>(CU April 1 to August 31 is 0.065 ac-ft and CU Sept 1 to March 31 is 0.072 ac-ft)</b></p>
--

<p>NARRATIVE DESCRIPTION OF PROJECT:</p> <p>The requestor proposes to offset the 0.137 afy of consumptive use for the project (one residential connection and 500 ft<sup>2</sup> of lawn and garden) with 0.137 afy of mitigation water acquired from Trust Water Right No. CS4-00714sb2. During the irrigation season, 0.072</p>
---

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.

The applicants parcel is located approximately 5 miles southeast of the City of Roslyn. The region is designated as a “Yellow Area,” according to the mitigation suitability maps.

Review of the local area hydrogeology suggests that the proposed groundwater withdrawals under G4-35693 may result in flow impacts to Peterson/Fowler Creek and the Yakima River. The proposed usage is mitigated by an in basin trust water right.

WTWG Project form

### Location Map for G4-35729

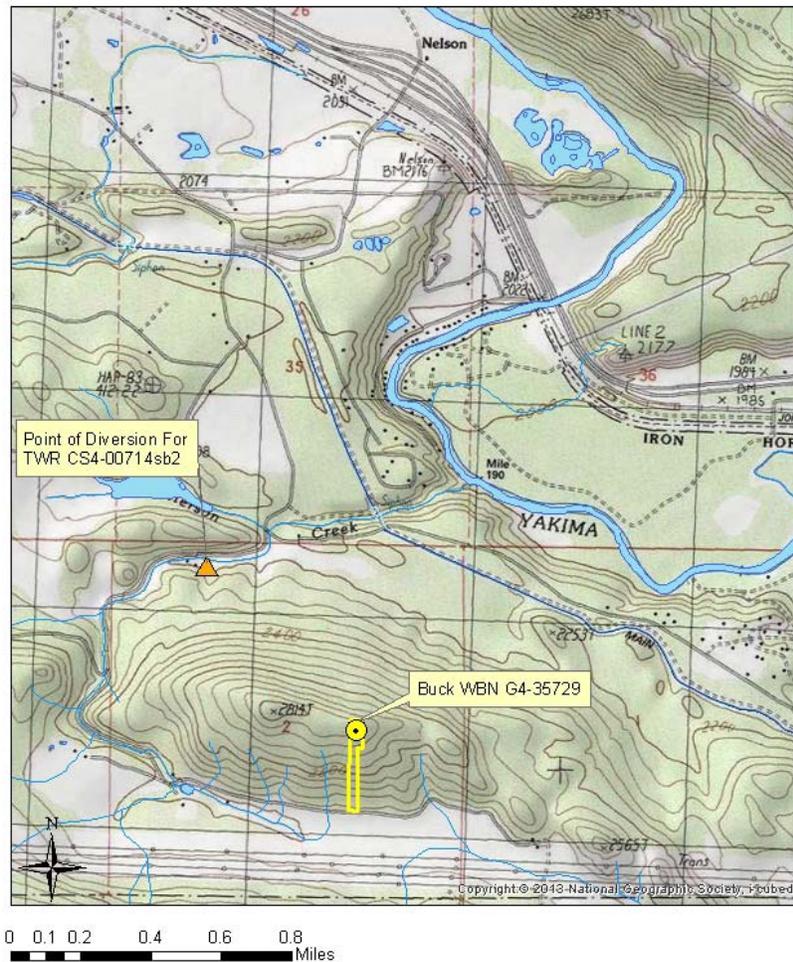


Figure 1: Location of the POU for the G4-35729 WBN request.