WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral Request No. G4-35649 with mitigation from Trust Water Right No. CS4-05259CL@2sb7		
APPLICANT NAME Doug Pook & Genene Kluck	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
October 15, 2013	

WATER SOURCE:	CROP:
Well (Unique ID AKW649)	Lawn or noncommercial garden
INSTANTANEOUS QUANTITY:	ANNUAL QUANTITY: 0.414 acre-ft/yr (afy)
PERIOD OF USE: Continuous for single indoor domestic connection and irrigation season for lawn and garden	
PLACE OF USE: Parcel No. 950664, located within the NW¼NW¼ of Section 16, T. 21 N., R. 14 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 gallons per day (gpd) used continuously year round equates to 0.392 afy of water use, or:
(350 gpd per connection) x (365 days) x (one connection) x (1.0 ac-ft/325,851gal) = 0.392 afy
Consistent with WAC 173-539A-050(3), 30% of domestic in-house use on a septic system is consumptively used, therefore:
Indoor consumptive use = (0.392 afy) x (0.30) = **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, or:
[(1.51 ft/yr) ÷ 0.80] x (500 ft^2 ÷ 43,560 ft^2/ac) = 0.022 afy
Consistent with WAC 173-539A-050(3), 90% of outdoor use is consumptively used, so:
Outdoor consumptive use = (0.022 afy) x (0.90) = **0.019 afy**

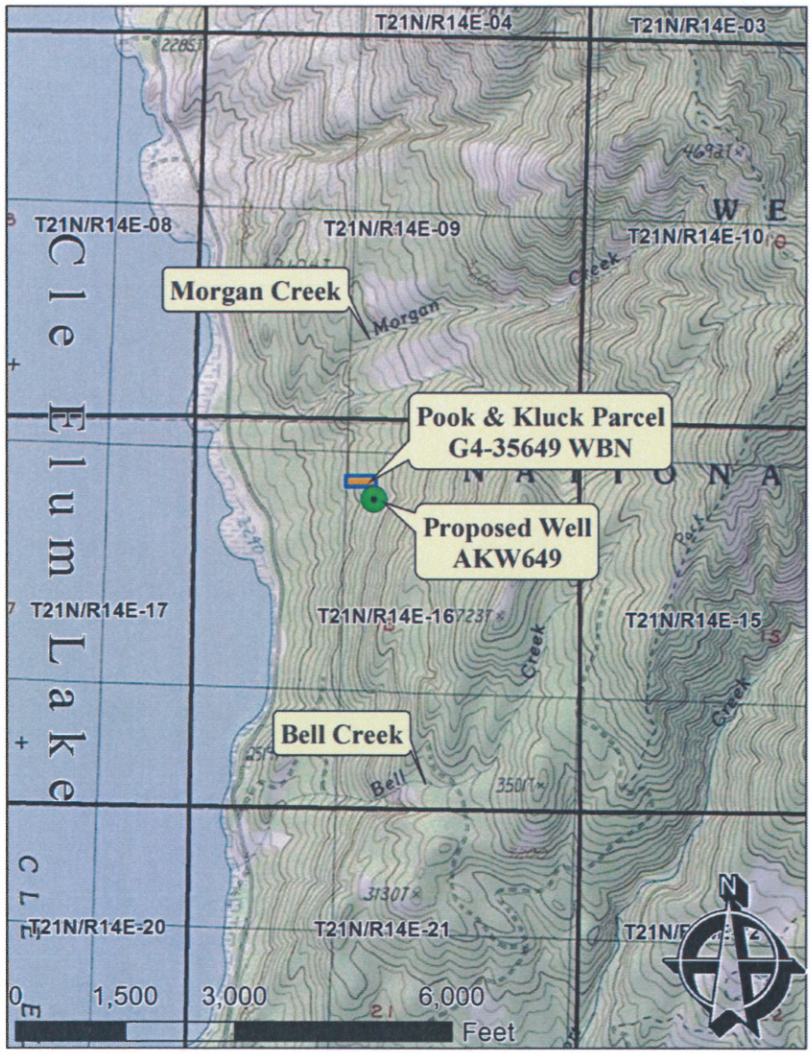
Total Use = 0.414 afy

Consumptive Use = 0.137 afy

NARRATIVE DESCRIPTION OF PROJECT:

The project is located on a steep west facing slope above Cle Elum Lake between Morgan Creek and Bell Creek roughly 6 miles northwest of Ronald.

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. CS4-05259CL@2sb7. Additionally, 0.072 ac-ft is assigned to the USBR-Ecology Exchange Contract (Contract No. 09XX101700). Ecology plans to assign 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.

WTWG Project form

Location of G4-35649