

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral (WBN) Request No. G4-35645 with mitigation from Trust Water Right No. CS4-02316sb8(a1)(b1)(c1)(d1)		
APPLICANT NAME Three Sons, LLC	CONTACT NAME Anne Watanabe	TELEPHONE NO. (509) 649-5218
WATER RIGHT HOLDER'S NAME (if different) Crush LLC		EMAIL anew@inlandnet.com

DATE OF APPLICATION 8/20/2013	PRIORITY DATE
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WATER SOURCE: Well (AFH 679)	CROP: Noncommercial Lawn and Garden
INSTANTANEOUS QUANTITY:	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. 16878 located within the SW ¼ NE ¼ of Section 18, T. 20 N., R. 15 E.W.M.	PURPOSE OF USE: Single Domestic Seasonal irrigation, 500 sq ft lawn/garden
IRRIGATION METHOD:	

<p>CONSUMPTIVE USE CALCULATION:</p> <p>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</p> <p>Outdoor use: The requestor proposes to irrigate 500 ft² 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</p>
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<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 ft² of lawn and garden) with 0.137 afy of mitigation water acquired from Trust Water Right No. CS4-02316sb8(a1)(b1)(c1)(d1). During the irrigation season, 0.072 ac-ft is assigned to the USBR-Ecology Exchange Contract</p>

(Contract No. 09XX101700) and released between September 1 and March 31 to address out-of-season impacts along the Yakima River.

Review of the local area hydrogeology suggests that the proposed groundwater withdrawals under G4-35645 may result in flow impacts to the Cle Elum River and/or main stem Yakima River. Impacts to small, unnamed streams located approximately 1,500 ft west and 400 ft east of the well location may also occur.

Parcel No. 16878 is located within the SW $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 18 in T. 20 N., R. 15 E.W.M. (Figure 1) approximately $\frac{1}{2}$ miles west of the city of Roslyn.

WTWG Project form

Location Map for G4-35645

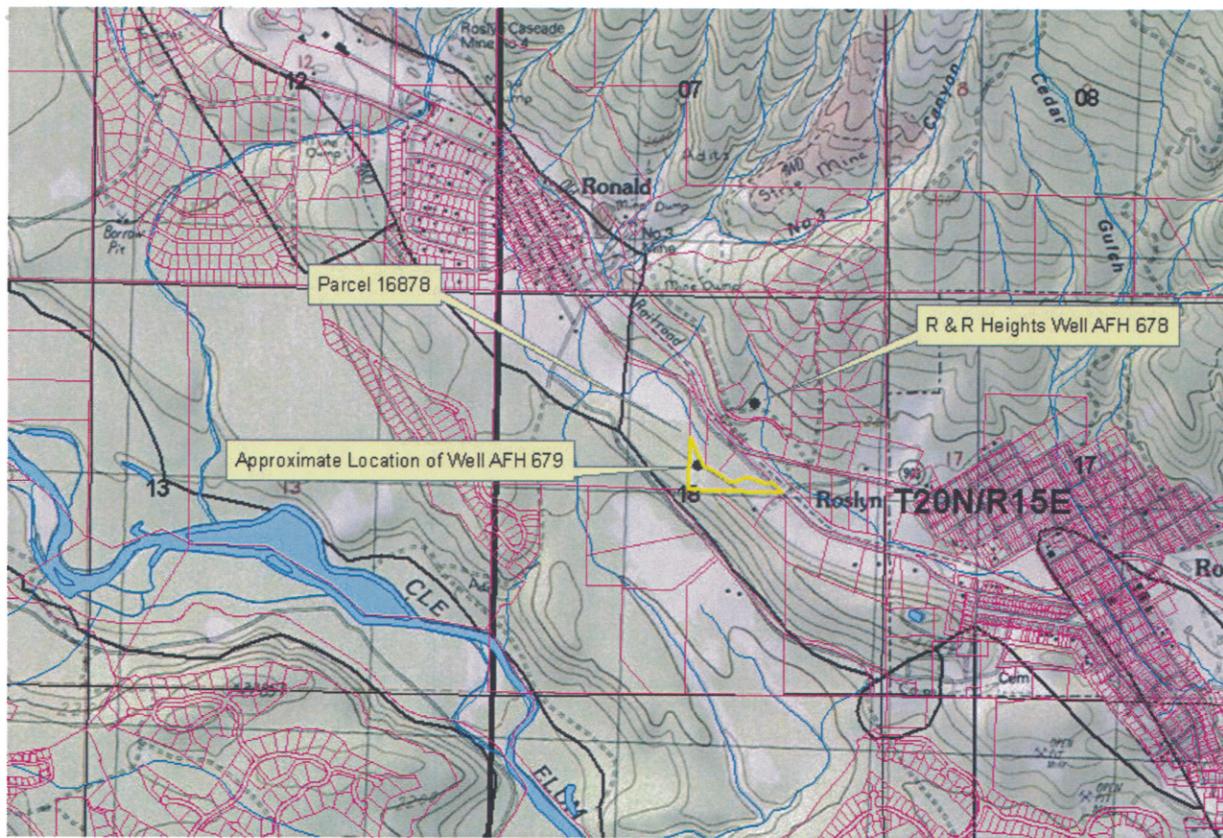


Figure 1: Location of the well and the POU for WBN request G4-35645.