

## WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral (WBN) Request No. G4-35618 with mitigation from Trust Water Right No. S4-05259CTCL@2sb7		
APPLICANT NAME	CONTACT NAME	TELEPHONE NO.
Douglas and Kathy Creager	Jessica Kuchan	206-838-7650
WATER RIGHT HOLDER'S NAME (if different)		EMAIL
Suncadia		kuchan@mentorlaw.com

DATE OF APPLICATION	PRIORITY DATE
May 3, 2013	

WATER SOURCE: Well (Ecology Tag No. AKJ-858)	CROP: Lawn or noncommercial garden
INSTANTANEOUS QUANTITY: Not Specified	ANNUAL QUANTITY: 0.414 acre-feet/year (afy)
PERIOD OF USE: Continuous for single indoor domestic connection and seasonal irrigation for 500 sq feet of lawn and garden	
PLACE OF USE: Parcel No. 949687 located within the SW $\frac{1}{4}$ of Section 1, T. 19 N., R. 14 E.W.M.	PURPOSE OF USE: Single domestic Seasonal Irrigation
IRRIGATION METHOD:	

<p>CONSUMPTIVE USE CALCULATION:</p> <p><b>Indoor use:</b> One residential connection at <b>350 gallons per day (gpd)</b> 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>
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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 ft<sup>2</sup> of lawn and garden) with 0.137 afy of mitigation water acquired from Trust Water Right No. S4-05259CTCL@2sb7. During the irrigation season, 0.072 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.</p>
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Review of the local area hydrogeology suggests that the proposed groundwater withdrawals under G4-35618 may result in flow impacts to the Yakima River. The parcel 949687 is located on the NE side of a topographic high between Spex Arth Creek to the East and Peterson/Fowler Creek drainage to the West, approximately 5 miles southwest of Cle Elum.

WTWG Project form

### Location Map for G4-35618

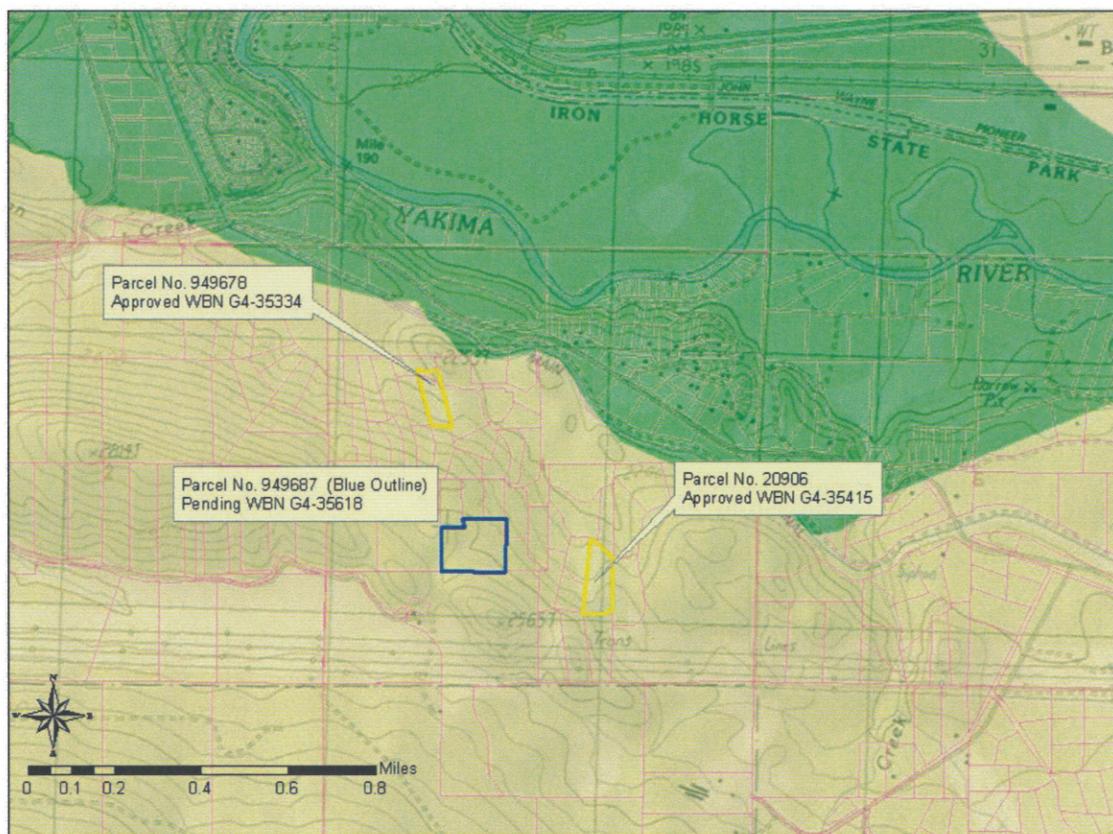


Figure 1: Location of the POU for the Creager WBN request (blue outline)