

## WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral Request No. G4-35636 with mitigation from Trust Water Right No. S4-02255(A)CTCL@2		
APPLICANT NAME	CONTACT NAME	TELEPHONE NO.
Jeffrey & Beverly Kluth	Traci Shallbetter	(509) 260-0037
WATER RIGHT HOLDER'S NAME (if different)		EMAIL
Mitigation with SwiftWater Ranch LLC Trust Water Right		

DATE OF APPLICATION	PRIORITY DATE
July 16, 2013	

WATER SOURCE: Well (Ecology Tag No. AGM984)	CROP: Lawn or noncommercial garden
INSTANTANEOUS QUANTITY:	ANNUAL QUANTITY: 0.414 acre-feet/year (afy)
PERIOD OF USE: Continuous for single indoor domestic connection and irrigation season for lawn and garden	
PLACE OF USE: Parcel No. 119134, located within the SE $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 34, T. 20 N., R. 14 E.W.M.	PURPOSE OF USE: Single domestic and Irrigation of 500 ft <sup>2</sup> lawn or garden

<p>CONSUMPTIVE USE CALCULATION:</p> <p><b>Indoor use:</b> One residential connection at 350 gallons per day (gpd) used continuously year round equates to 0.392 afy of water use, or:  <math>(350\text{gpd per connection}) \times (365 \text{ days}) \times (\text{one connection}) \times (1.0 \text{ ac-ft}/325,851 \text{ gal}) = 0.392 \text{ afy}</math>  Consistent with WAC 173-539A-050(3), 30% of domestic in-house use on a septic system is consumptively used, therefore:  Indoor consumptive use = <math>(0.392\text{afy}) \times (0.30) = \mathbf{0.118 \text{ afy}}</math></p> <p><b>Outdoor use:</b> The requestor proposes to irrigate 500 ft<sup>2</sup> 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:  <math>[(1.51 \text{ ft/yr}) \div 0.80] \times (500 \text{ ft}^2 \div 43,560 \text{ ft}^2/\text{ac}) = 0.022 \text{ afy}</math>  Consistent with WAC 173-539A-050(3), 90% of outdoor use is consumptively used, so:  Outdoor consumptive use = <math>(0.022 \text{ afy}) \times (0.90) = \mathbf{0.019 \text{ afy}}</math></p> <p><b>As a result consumptive use (CU) for the project totals to 0.137 afy</b>  <b>(CU April 1 to August 31 is 0.065 ac-ft and CU September 1 to March 31 0.072 ac-ft)</b></p>
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NARRATIVE DESCRIPTION OF PROJECT:
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G4-35636 is located within the Nelson Creek drainage approximately 6 miles west of the City of Cle Elum (see attached map below).

The requestor proposes to offset the 0.137 ac-ft of consumptive use for the project (one residential connection and 500 ft<sup>2</sup> of lawn and garden) with 0.137 ac-ft of mitigation water acquired from Trust Water Right No. S4-02255(A)CTCL@2. During the irrigation season, 0.072 ac-ft is assigned to the USBR-Ecology Exchange Contract (Contract No. 09XX101700) for potential release between September 1 and March 31 to address in-season impacts along the Yakima River.

Review of the local area hydrogeology suggests that the proposed groundwater withdrawals under G4-35636 will result in flow impacts to Nelson Creek and the Yakima River.

WTWG Project form

### Map of G4-35636

