

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO. Water Budget Neutral (WBN) Request No. G4-35743; mitigation from Trust Water Right No. CS4-02255(A) CTCL@2		
APPLICANT NAME William and Ava Frisinger	CONTACT NAME Traci Shallbetter	TELEPHONE NO. 509 260-0037
WATER RIGHT HOLDER'S NAME (if different) Swiftwater Ranch		EMAIL traci@shallbetterlaw.com

DATE OF APPLICATION 1/26/15	PRIORITY DATE
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WATER SOURCE: One existing and/or new well located in Parcel 031634, in the SE $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 12, T20N, R13E.	CROP: Non-commercial lawn and garden.
INSTANTANEOUS QUANTITY: Not provided	ANNUAL QUANTITY: 0.414 acre-feet/year (afy)
PERIOD OF USE: Continuous for a single domestic and seasonal for 500 sq ft lawn and garden.	
PLACE OF USE: Parcel No. 031634, in the SE $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 12, T20N, R13E.	PURPOSE OF USE: Single Domestic home and seasonal lawn and garden.
IRRIGATION METHOD: None	

<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, or: $(350 \text{ gpd per connection}) \times (365 \text{ days}) \times (\text{one connection}) \times (1.0 \text{ ac-ft} / 325,851 \text{ gal}) = 0.392 \text{ afy total use.}$</p> <p>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</p> <p>CU for the project totals to 0.137 afy</p>
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<p>NARRATIVE DESCRIPTION OF PROJECT:</p> <p>Parcel No. 031634 is located in the Yakima River floodway, approximately one mile east of Easton Lake and 1,800 ft northwest of the Yakima River; approximately 12 miles up-valley (west) of the City of Cle Elum. It is in the SE$\frac{1}{4}$ NW$\frac{1}{4}$ of Section 12, T20N, R13E,</p>
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in a green suitability zone for the Swiftwater Ranch LLC water bank (Figure 1).

Groundwater withdrawal from a well at this location would likely capture water that would otherwise discharge to the Yakima River.

The requestor proposes to offset the 0.137 ac-ft of consumptive use for the project (one residential connection and seasonal lawn and garden) with 0.137 ac-ft of mitigation water acquired from Trust Water Right No. CS4-02255(A) CTCL@2. During the irrigation season, 0.072 ac-ft is assigned to the USBR-Ecology Exchange Contract (Contract No. 09XX101700) to address out-of-season impacts along the Yakima River between September 1 and March 31.

WTWG Project form

Location Map for G4-35743

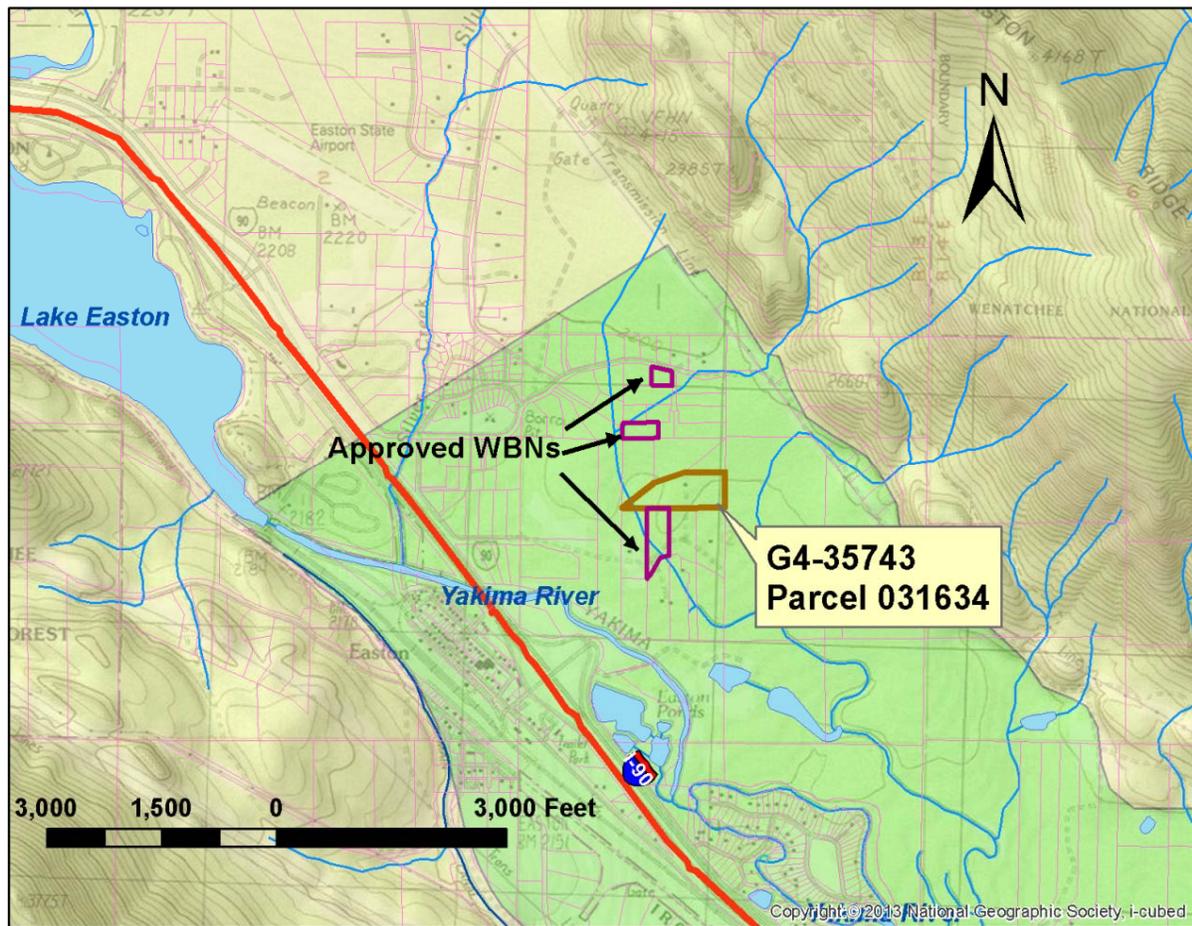


Figure 1: Location of Parcel 031634 for WBN request G4-35743, nearby approved WBNs, and Swiftwater Ranch mitigation suitability layers.