WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral Request No. G4-35523 with mitigation from Trust Water Right No. CS4-02255(A)CTCL@2		
APPLICANT NAME Terrance & Patricia Jerke	CONTACT NAME Ingrid Ekstrom - Ecology	TELEPHONE NO. 509-575-2396
WATER RIGHT HOLDER'S NAME (if different) Mitigation with SwiftWater Ranch LLC Trust Water Right		EMAIL

DATE OF APPLICATION	PRIORITY DATE
September 28, 2011	New use mitigated by trust water right with priority date of June 30, 1890

WATER SOURCE:	CROP:
well	Lawn or noncommercial garden
INSTANTANEOUS QUANTITY:	ANNUAL QUANTITY: 0.414 acre-ft/yr
PERIOD OF USE: Continuous for 1 indoor domestic connection and irrigation season for lawn and garden	
PLACE OF USE: Parcel No. 816534, located within the E½SE¼ of Section 5, T. 19 N., R. 16 E.W.M.	PURPOSE OF USE: Single domestic and Irrigation of 500 ft^2 lawn or garden
IRRIGATION METHOD:	

CONSUMPTIVE USE CALCULATION:

Indoor use: 1 residential connection at 350 gallons per day (gpd) used continuously year round equates to 0.392 ac-ft/yr of water use, or:
(350gpd per connection) x (365 days) x (1 connection) x (1ac-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 ac-ft/yr**

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 ac-ft/yr, or:
[(1.51 ft/yr) ÷ 0.80] x (500 ft^2 ÷ 43560 ft^2/ac) = 0.022 ac-ft/yr
Consistent with WAC 173-539A-050(3), 90% of outdoor use is consumptively used, so:
Outdoor consumptive use = (0.022 ac-ft/yr) x (0.90) = **0.019 ac-ft/yr**

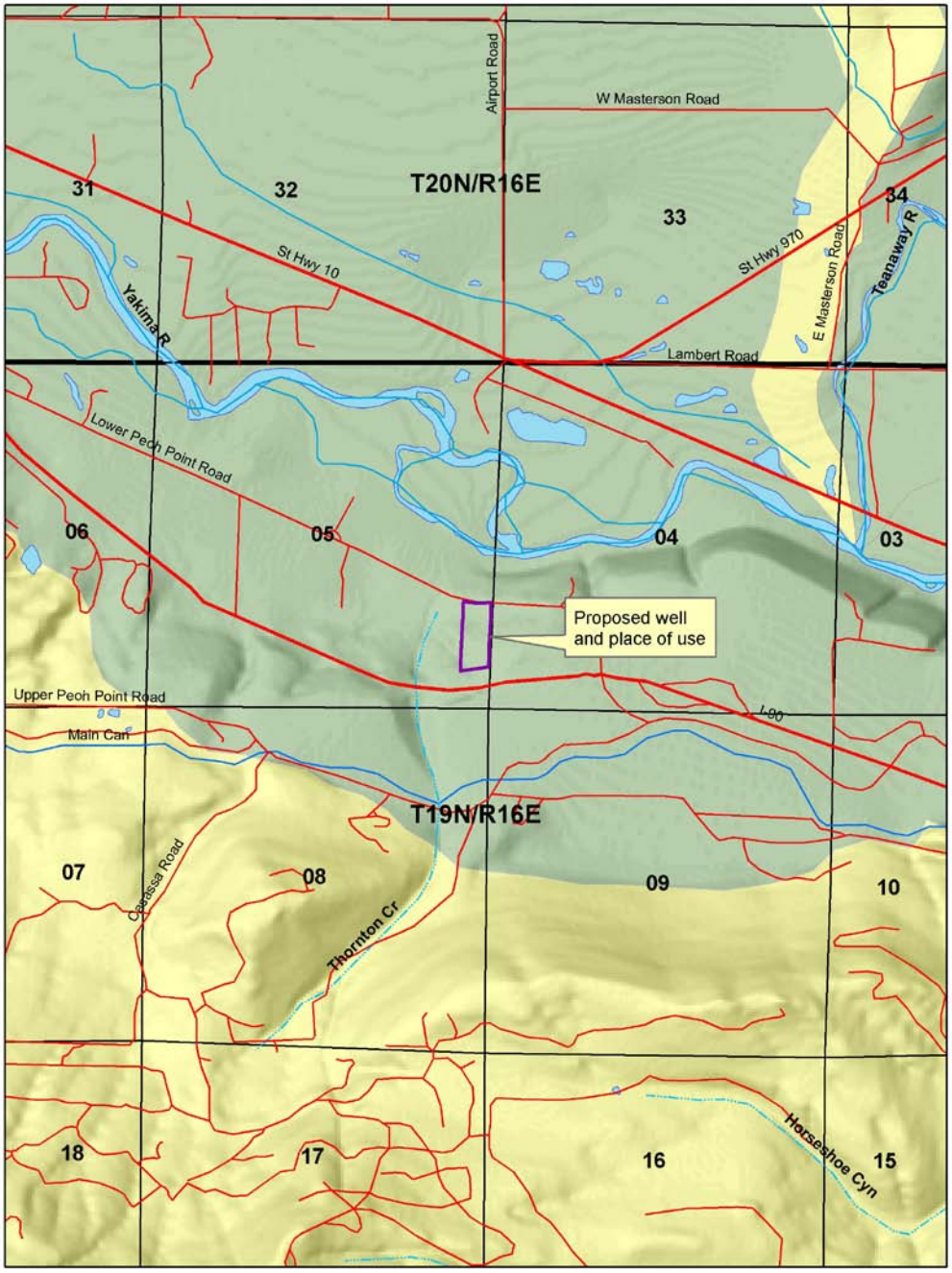
As a result consumptive use (CU) for the project totals to 0.137 ac-ft/yr
(CU April 1 to Aug 31 is 0.065 ac-ft and CU Sept 1 to Mar 31 is 0.072 ac-ft)

NARRATIVE DESCRIPTION OF PROJECT:

The requestor proposes to offset the 0.137 ac-ft/yr of consumptive use for the project (1 residential connection and 500 ft^2 of lawn and garden) with 0.137 ac-ft/yr 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) and released between Sept 1 to Mar 31 to address out of season impacts along the Yakima River.

The proposed well for the new use is located in an area where the Swiftwater rights are likely suitable ("green area") for use as mitigation to offset the new use. Please see the attached map for the project location.

WTWG Project form



Terrance & Patricia Jerke
Water Budget Neutral Request No. G4-35523

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0 850 1,700 3,400 Feet

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