2014-65-G4-35677(A)
Roth Trust Water Right
(Stevens)

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral Request No. G4-35677(A) with mitigation from Trust Water Right No. CS4-01676sb5d@2		
APPLICANT NAME Chad and Marcie Stevens	CONTACT NAME Jill Van Hulle	TELEPHONE NO. 360-413-1510
WATER RIGHT HOLDER'S NAME (if different) Mitigation with Roth Trust Water Right		EMAIL jill@pgwg.com

DATE OF APPLICATION	PRIORITY DATE
February 18, 2013	

WATER SOURCE: groundwater	CROP: Lawn or noncommercial garden
INSTANTANEOUS QUANTITY:	ANNUAL QUANTITY: 1.681 acre-ft/yr (afy)
PERIOD OF USE: Continuous for single indoor domestic connection and irrigation season for lawn and garden	
PLACE OF USE: Parcel No. 15165, located within the NW¼SE¼ of Section 25, T. 20 N., R. 15 E.W.M.	PURPOSE OF USE: multiple domestic (4) and Irrigation of 2,000 ft^2 lawn or garden
IRRIGATION METHOD:	

CONSUMPTIVE USE CALCULATION:

Indoor use: Multiple (four) residential connections at 350 gallons per day (gpd) used continuously year round equates to 1.568 afy of water use, or:
(350 gpd per connection) x (365 days) x (four connections) x (1.0 ac-ft/325,851gal) = **1.568 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 = (1.568 afy) x (0.30) = **0.47 afy**

Outdoor use: The requestor proposes to irrigate 2,000 ft^2 of lawn and garden. Using a crop irrigation requirement consistent with the methodology used to calculate the Trust Water Right quantities, the outdoor total and consumptive use is as follows:
Outdoor total use = ([(1.96 ft/yr) ÷ 0.80] x (2,000 ft^2 ÷ 43,560 ft^2/ac) = **0.113 afy**
Consistent with WAC 173-539A-050(3), 90% of outdoor use is consumptively used, so:
Outdoor consumptive use = (0.113 afy) x (0.90) = **0.101 afy**

As a result consumptive use (CU) for the project totals to 0.572 afy
(CU April 1 to July 31 is 0.218 ac-ft and CU Aug 1 to Mar 31 is 0.354 ac-ft)

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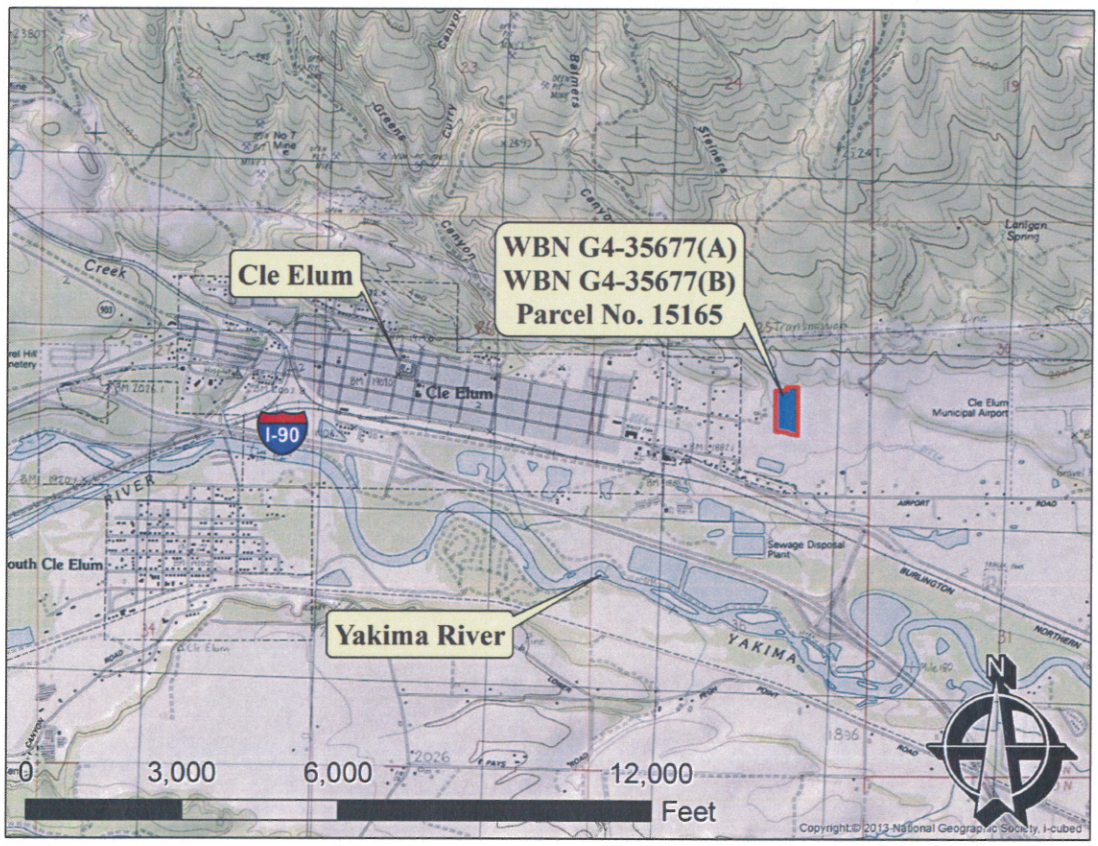
NARRATIVE DESCRIPTION OF PROJECT:

The requestor proposes to offset the 0.572 afy of consumptive use for the project (four residential connections and 2,000 ft^2 of lawn and garden) with 0.572 afy of mitigation water acquired from Trust Water Right No. CS4-01676sb5d@2.

Review of the local area hydrogeology suggests that withdrawals under the proposed request will result in flow impacts to the Yakima River south of the Steven's property.

WTWG Project form

Location of G4-35677(A)