

**WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION**

APPLICATION NO./COURT CLAIM NO.		
Water Budget Neutral Request No. G4-35750 with mitigation from Trust Water Right No. S4-05259CTCL@2sb7		
APPLICANT NAME	CONTACT	CONTACT'S TELEPHONE NO
Heidi & Byron Langley	Jessica Kuchan	206 8387650
WATER RIGHT HOLDER'S NAME (if different)		CONTACT'S EMAIL
New Suncadia		Kuchan@mentorlaw.com

DATE OF APPLICATION	PRIORITY DATE
March 23, 2015	

WATER SOURCE: Well	CROP: Lawn and\or noncommercial garden
INSTANTANEOUS QUANTITY: TBD	ANNUAL QUANTITY: 0.414 acre-ft/yr
PERIOD OF USE: Continuous for 1 domestic connection and seasonal irrigation for lawn and\or garden	
PLACE OF USE: Parcel No. 17601, located within the NE <sup>1</sup> / <sub>4</sub> ,SW <sup>1</sup> / <sub>4</sub> of Section 09, T. 21 N., R. 14 E.W.M.	PURPOSE OF USE: Domestic and irrigation of 500 square feet of lawn and\or garden
IRRIGATION METHOD:	

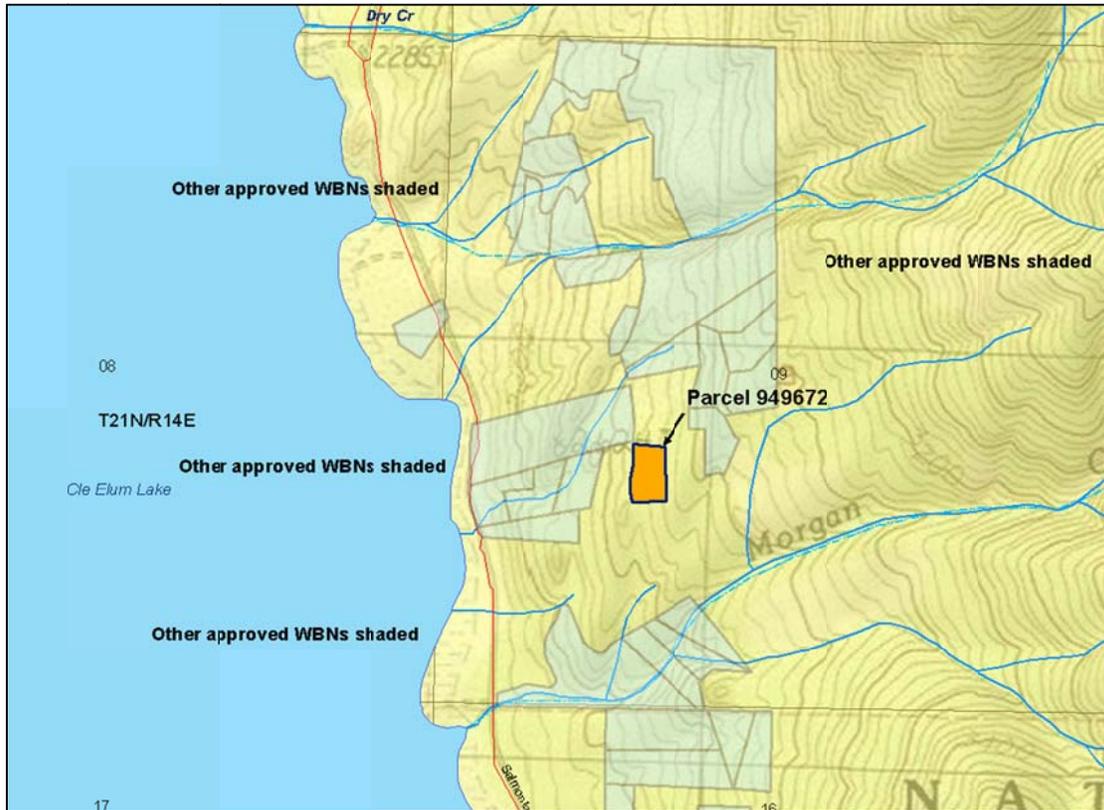
<p>CONSUMPTIVE USE CALCULATION:</p> <p><b>Indoor use:</b> 1 residential connection at 350 gallons per day (gpd) used continuously year round equates to 0.392 ac-ft/yr of water use, or: Consistent with WAC 173-539A-050(3), 30% of domestic in-house use on a septic system is consumptively used, therefore: <b>Indoor consumptive use (CU) = 0.118 ac-ft/yr</b></p> <p><b>Outdoor use:</b> The requestor proposes to irrigate 500 ft<sup>2</sup> of lawn and\or garden. Using a crop irrigation requirement of 18.10 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. Consistent with WAC 173-539A-050(3), 90% of outdoor use is consumptively used, so: <b>Outdoor consumptive use = 0.019 ac-ft/yr</b></p> <p><b>Consumptive use for the project totals to 0.137 ac-ft/yr</b> <b>(CU for the period of April 1 to August 31 is 0.065 ac-ft and CU for the period September 1 to March 31 is 0.072 ac-ft)</b></p>
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NARRATIVE DESCRIPTION OF PROJECT:

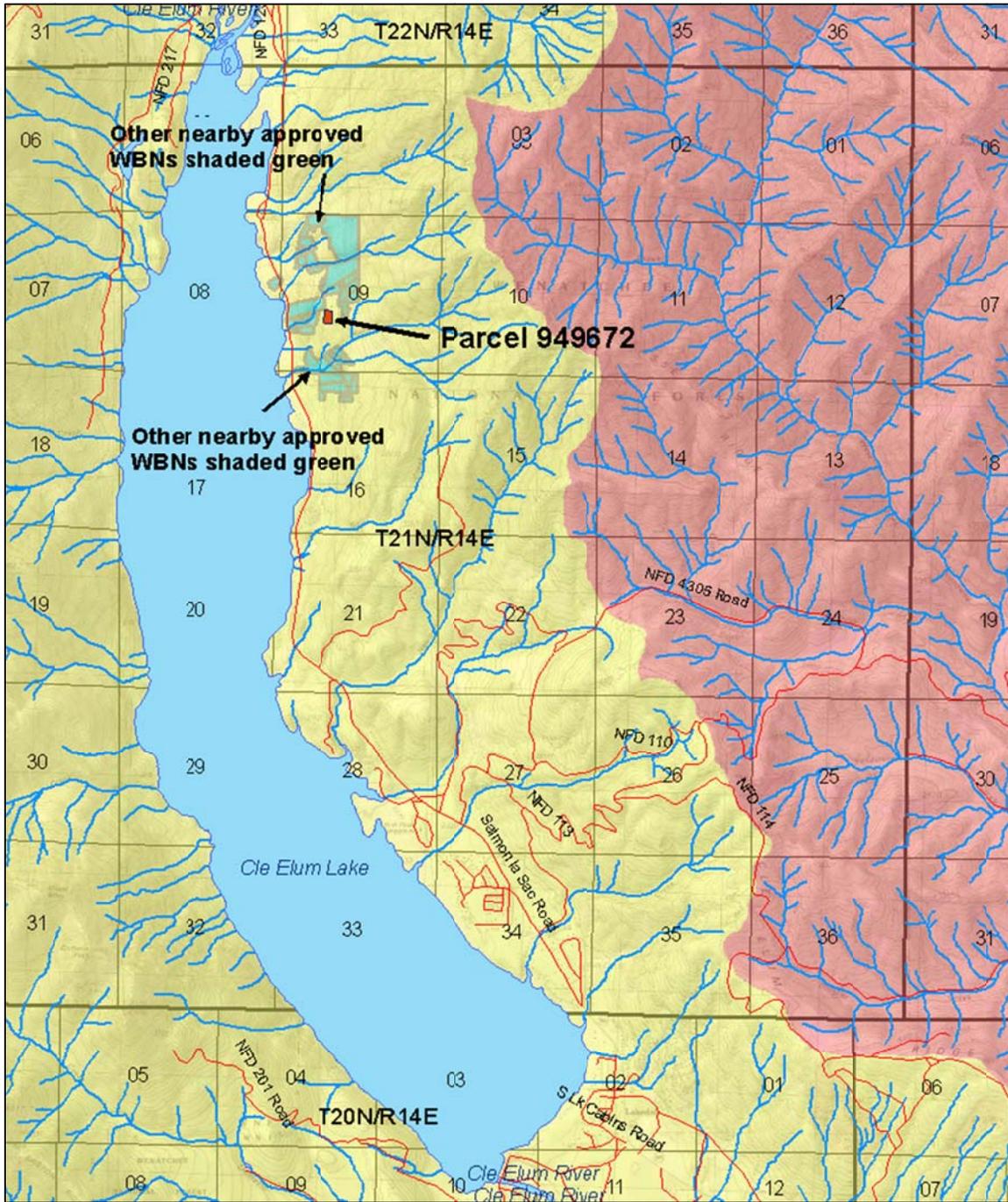
The requestor proposes to offset the 0.137 ac-ft/yr of consumptive use for the project (1 residential connection and 500 ft<sup>2</sup> of lawn and garden) with 0.137 ac-ft/yr of mitigation water acquired from Trust Water Right NoS4-05259CTCL@2sb7. Of this, 0.072 ac-ft is assigned to the USBR-Ecology Exchange Contract (Contract No. 09XX101700) to address out of season impacts along the Yakima River. In addition, Ecology will allocate 0.024 acre-ft to the Trust Water right Program to benefit Yakima River flows.

The project is located near the east side of Cle Elum Lake approximately 9 miles northwest of Roslyn. The proposed well is to be located in parcel 17601, in an area that needed additional information (“yellow area”) to determine the suitability of the Suncadia Trust Water Rights for use as mitigation to offset the new use. Several WBN requests were reviewed and approved previously in several nearby surrounding parcels, including G4-35339, G4-35310, G4-35289, and G4-35294 (Hoselton, 6/23/10); and G4-35434 (Eckstrom, 2/4/11). (See attached figures)

Review of the local area hydrogeology and the hydrogeology memoranda for the above-listed WBNs suggests that withdrawals will result in impacts to Cle Elum Lake. Copies of the Draft Hydrogeology Memos for the nearby water budget neutral request are available on request from Ecology.



**Location Map for Parcel 949672, File G4-35750, showing the Suncadia suitability “yellow” layer and locations of nearby, previously-approved WBN requests.**



**Location Map for Parcel 949672, File G4-35750, showing the Suncadia suitability “red” and “yellow” layers and locations of nearby, previously-approved WBN requests.**