

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

Application Number Water Budget Neutral Request No. G4-36179	
Applicant Name Greg Roessel	Priority Date 9/8/2023
Water Bank Kittitas County (Clennon)	Trust Water Rights No. S4-85138-J(B)

Groundwater Source Existing Well (BQH653)	Water Use: Domestic, 500 ft ² of irrigation
Instantaneous Quantity: 4.48 gpm	Annual Quantity: 0.330 ac-ft/yr
Period of Use: Continuous use for 1 domestic connection and seasonal irrigation for lawn and/or garden	
Place of Use: Parcel No. 249134, located within the SW¼, NE¼ of Section 34, Township 20N., Range 14E.	

Consumptive Use Calculation:

Indoor Use: 1 residential connection(s) at 275 gallons per day (gpd) used continuously year-round equates to 0.308 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: **indoor consumptive use (CU) = 0.092 ac-ft/yr.**

Outdoor Use: The requestor/applicant proposes to irrigate 500 ft² of lawn and/or garden. Using a crop irrigation requirement of 18.1 in/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, therefore: **outdoor consumptive use = 0.019 ac-ft/yr.**

Total Consumptive Use = 0.112 ac-ft/yr

Exchange Contract Water = 0.070 ac-ft/yr for the period August 1 to March 31

NARRATIVE DESCRIPTION OF PROJECT:

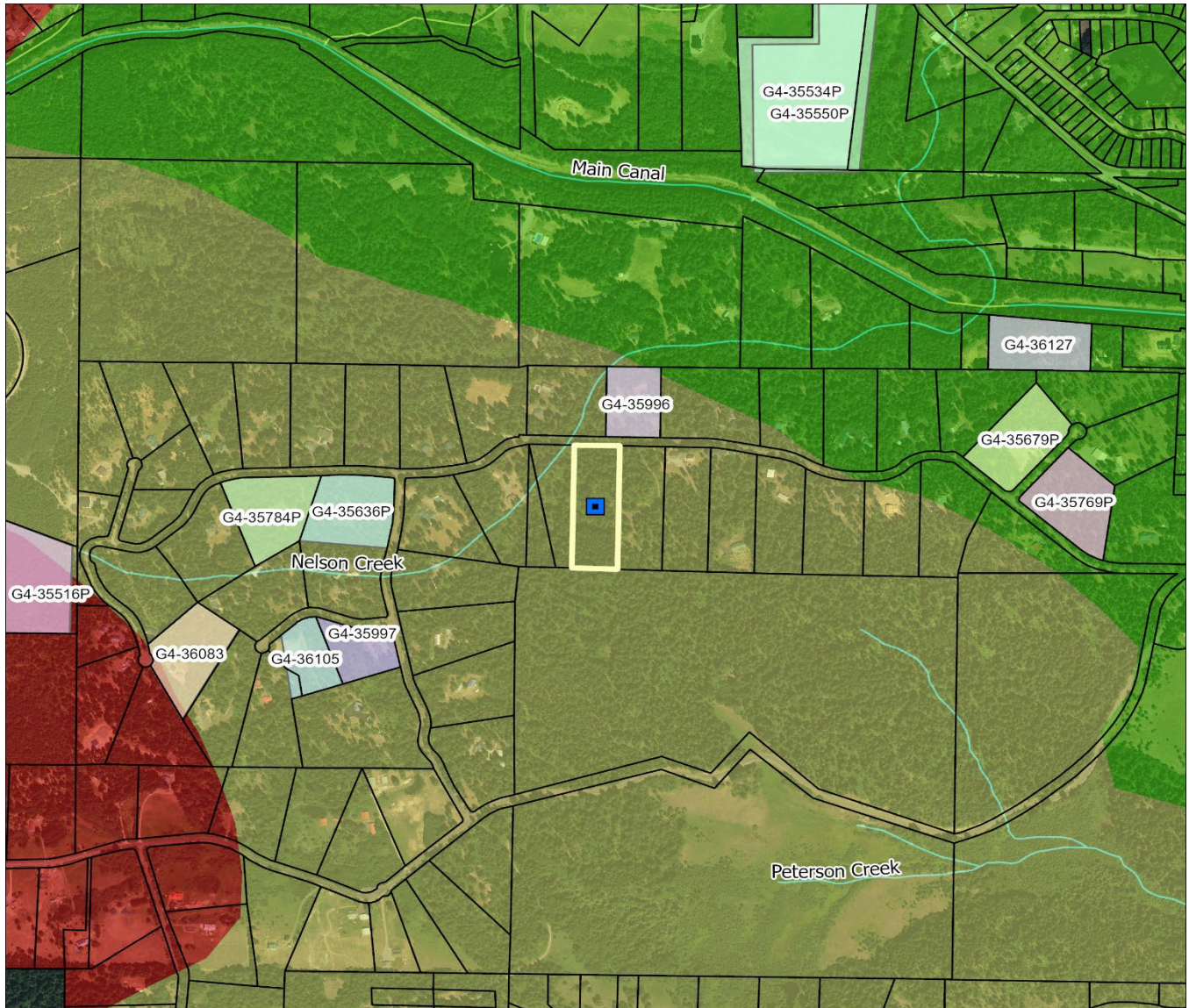
The project is located approximately 1.25 miles from the Yakima River near Nelson Creek in a "Yellow" area as noted on Ecology's current Mitigation Suitability Map (see attached map).

The requestor/applicant proposes to offset the 0.112 ac-ft/yr of consumptive use for the project with 0.112 ac-ft/yr of mitigation from Trust Water Right No. S4-85150-J.

Ecology will assign 0.070 ac-ft/yr to the USBR-Ecology Exchange Contract (Contract No. 09XX101700), from August 1 to March 31, to address impacts to the Yakima River.

Review of the local area hydrogeology suggests that the mitigation is suitable to address impacts to the Yakima River. They also determined that Nelson Creek may be impacted but cannot determine where due to the bedrock setting.

Project Map



Applicant Info

Existing POW

■ Well ID Tag No. BQH653

Proposed POU

■ Parcel No. 249134

Water Bank Suitability

Kittitas County (Clennon)

■ Likely Suitable

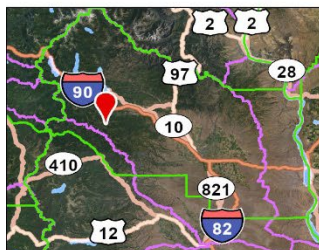
■ Need Additional Information

■ Unsuitable

Boundary Layers

■ County Boundaries

■ WRIA



<p>WBN No. G4-36179 (Roessel) WRIA 39 - Kittitas County The SW 1/4 NE 1/4 of Section 34, Township 20 N., Range 14 E. Located between South Cle Elum Ridge and the Yakima River</p>	
<p>Basemap: NAIP 2021 Aerial Photo Waterbodies: USGS National Hydro Dataset Permit Writer: Anthony DeJesus</p>	<p>2025</p>
<p>Coordinate System: NAD 1983 HARN StatePlane Washington South FIPS 4602 Feet</p>	

