

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

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| Application Number Water Budget Neutral Request No. G4-36181 | |
| Applicant Name Blue Gem LLC | Priority Date 10/24/2023 |
| Water Bank Kittitas County (Clennon) | Trust Water Rights No. S4-85138-J(B) |
| Groundwater Source Existing well on County Parcel No. 519336 | Purpose of Use: Domestic and irrigation of up to 500 square feet of lawn and/or garden. |
| Instantaneous Quantity: 4.48 gpm | Annual Quantity: 0.330 ac-ft/yr |
| Place of Use: County Parcel No. 519336, located within the N½ SE¼ of Section 4, T. 20 N., R. 14 E.W.M. | |

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 173539A050(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 18.10 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 173539A050(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 0.5 miles from Keechelus Lake near Keechelus ridge in a "Yellow" area as noted on Ecology's current Mitigation Suitability Map (see attached map). Review of the local area hydrogeology suggests that existing users will not be affected. Impacts from pumping will be felt by Lake Keechelus and the headwaters of the Yakima River. An unnamed stream, Southwest of the parcel, may also be impacted. However, existing information shows that the stream is perennial and a non-fish bearing stream.

The 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. S4-85138-J(B). The Trust Water Right is from a tributary stream within the Yakima Basin, satisfying the environmental and fisheries benefit requirement.

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

MAP OF THE PROJECT AREA



Proposed POU
Parcel No. 175835

Existing Well
BNM065

Previously Approved WBNs
G4-35650P
G4-35844P

Water Bank Suitability
Kittitas County (Clennon)
Likely Suitable
Need Additional Information
Unsuitable

Boundary Layers
County Boundaries
WRIA



WBN No. G4-36181 (Blue Gem LLC)
WRIA 39 - Kittitas County
The N 1/2 NE 1/4 of Section 1, Township 21 N., Range 11 E.
Located between Keechelus Ridge and Keechelus Ridge

Basemap: NAIP 2021 Aerial Photo
Waterbodies: USGS National Hydro Dataset
Permit Writer: Anthony DeJesus

2025

Coordinate System: NAD 1983 HARN StatePlane Washington South FIPS 4602 Feet



0 265 570 US Feet