

**WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION**

|  |                       |  |
|--|-----------------------|--|
| APPLICATION NO./COURT CLAIM NO.  |                       |  |
| Water Budget Neutral Request / Groundwater Right Application No. G4-35986 with mitigation from Trust Water Right No. CS4-01676sb5d@2b(B) |                       |  |
| APPLICANT NAME<br>Griffin Smith  | CONTACT<br>Erin Moore | CONTACT'S TELEPHONE NO.<br>509.962.7698          |
| WATER RIGHT HOLDER'S NAME (if different)<br>Kittitas County (Roth)   |                       | CONTACT'S EMAIL<br>Erin.moore@co.kittitas.wa.gov |

|  |
|--|
| DATE OF APPLICATION<br>February 21, 2018 |
|--|

|   |  |
|---|--|
| WATER SOURCE:<br>Well (Well Tag ID AFH-678)   | CROP:<br>Lawn and/or noncommercial garden  |
| INSTANTANEOUS QUANTITY:<br>4.48   | ANNUAL QUANTITY:<br>0.330 ac-ft/yr   |
| PERIOD OF USE:<br>Continuous for 1 domestic connection and season irrigation for lawn and/or garden |  |
| PLACE OF USE:<br>Parcel No 18400, located within the NE¼ of Section 18, T. 20 N., R. 15 E.W.M.      | PURPOSE OF USE:<br>Domestic and irrigation of 500 square feet of lawn and/or garden. |

|   |
|---|
| <p>CONSUMPTIVE USE CALCULATION:</p> <p><b>Indoor Use:</b> 1 residential connection 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: <b>indoor consumptive use (CU) = 0.092 ac-ft/yr.</b></p> <p><b>Outdoor Use:</b> The requestor/applicant 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, therefore: <b>outdoor consumptive use = 0.019 ac-ft/yr.</b></p> <p><b>Total Consumptive Use = 0.112 ac-ft/yr</b></p> <p><b>Exchange Contract Water = 0.057 ac-ft/yr for the period September 1 to March 31</b></p> |
|---|

NARRATIVE DESCRIPTION OF PROJECT:

The project is located approximately .3 miles west of Roslyn and approximately .3 miles east of Ronald 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 (1 residential connection and 500 ft<sup>2</sup> of lawn and garden) with 0.131 ac-ft/yr of mitigation from Trust Water Right No. CS4-01676sb5d@2b(B). Ecology will assign 0.057 ac-ft/yr to the USBR-Ecology Exchange Contract (Contract No. 09XX101700) to address impacts to the Yakima River. In addition to the consumptive use of the project, Ecology will assign 0.019 ac-ft of the Trust Water Right to be managed within the Trust Water Right Program for instream flow benefit to the Yakima River.

Review of the local area hydrogeology suggests that the proposed withdrawal under will capture groundwater that would otherwise discharge to the lower Cle Elum River and to the Yakima River.

**Location of G4-35986**

