2018-21 WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.			
Water Budget Neutral Request / Groundwater Right Application No. G4-35959 with			
mitigation from Trust Water Right No. CS4-02223CTCLsb2@1			
APPLICANT NAME	CONTACT	CONTACT'S TELEPHONE NO	
Paul Kemp	Traci Shallbetter	509.260.0037	
WATER RIGHT HOLDER'S NAME (if different)		CONTACT'S EMAIL	
Trailside Water Bank		tshallbetter@cairncross.com	

DATE OF APPLICATION	
September 18, 2017	

WATER SOURCE.	CDOD	
WATER SOURCE:	CROP:	
Well (Well Tag ID AKJ-891)	Lawn and\or noncommercial garden	
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INSTANTANEOUS QUANTITY:	ANNUAL QUANTITY:	
4.48 GPM	0.414 ac-ft/yr	
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PERIOD OF USE:		
Continuous for 1 domestic connection and season irrigation for lawn and\or garden		
PLACE OF USE:	PURPOSE OF USE:	
Parcel No. 6, located within the	Domestic and irrigation of 500 square feet	
$SW^{1/4}NE^{1/4}$ and $SE^{1/4}NW^{1/4}$ of Section 7, T.	of lawn and\or garden.	
19 N., R. 15 E.W.M.	-	

CONSUMPTIVE USE CALCULATION:

Indoor Use: 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: **indoor consumptive use (CU) = 0.118 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 (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: **outdoor consumptive use = 0.019 ac-ft/yr.**

Total Consumptive Use = 0.137 ac-ft/yr

Exchange Contract Water = 0

NARRATIVE DESCRIPTION OF PROJECT:

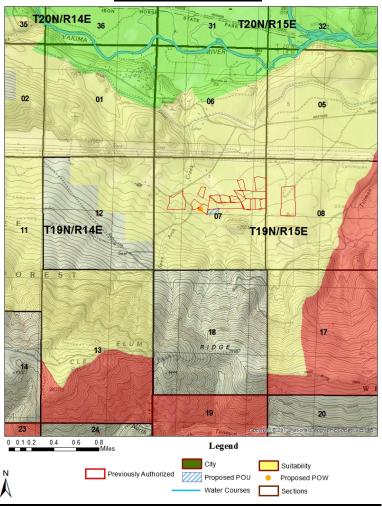
The project is located approximately 3.3 miles from South Cle Elum and near Spex Arth creek in a "Yellow" area as noted on Ecology's current Mitigation Suitability Map (see attached map).

The requestor/applicant proposes to offset the 0.137 ac-ft/yr of consumptive use for the project (1 residential connection and 500 ft² of lawn and garden) with 0.161 ac-ft/yr of mitigation from Trust Water Right No. CS4-02223CTCLsb2@1.

A Storage and Release Mitigation Plan has been offered and accepted by Ecology.

Review of the local area hydrogeology suggests that the requested withdrawals will impact Spex Arth Creek and the Yakima River.

WTWG Project form



Location of G4-35959