

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO. CS4-83608-J (KITT-23-08)		
APPLICANT NAME Kittitas County – Arden Thomas	CONTACT NAME Tyson Carlson, Aspect	TELEPHONE NO. 509-895-5923
WATER RIGHT HOLDER'S NAME (if different)		EMAIL tcarlson@aspectconsulting.com

DATE OF APPLICATION September 19, 2023	PRIORITY DATE June 30, 1885
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WATER SOURCE: Reecer Creek	CROP: Pasture
INSTANTANEOUS QUANTITY: 2.613 cfs (reduced from 4.36 cfs)	ANNUAL QUANTITY: 543.17 ac-ft/yr (reduced from 1078.2 ac-ft/yr) with 142 ac-ft/yr consumptive
PERIOD OF USE: April 1 to October 15 (former irrigation) February 1 to November 30 (former stockwater)	
PLACE OF USE: Instream in Reecer Creek to the confluence with the Yakima River, along the Yakima River and terminating at the Kittitas-Yakima County line.	PURPOSE OF USE: Instream flow for mitigation
IRRIGATION METHOD: Flood irrigation	

<p>CONSUMPTIVE USE CALCULATION:</p> <p>Through the investigation by Kittitas County Water Conservancy Board (KCWCB) and Ecology, partial relinquishment of the water right occurred, reducing acreage from 56 to 43.65 acres. The Report of Referee documents a site-specific water duty for pasture of 12.42 ac-ft/acre. The Washington Irrigation Guide suggests that the crop irrigation requirement for pasture in Ellensburg is 2.62 ac-ft/acre. Following the water duty calculations in Ecology's guidance ($TIR = CIR / Ea$) the efficiency of the system would be 21%. Assuming 5% evaporative losses brings the consumptive use to 26% of the total use.</p> <p>Consumptive use for irrigation = 43.65 acres * 12.42 ac-ft/acre * 26% = 141 ac-ft/yr.</p>
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Stockwater was used for cattle over the history of the water right. The KCWCB found that 1 ac-ft/yr was used and that it is considered 87% consumptive (USGS Washington Water Science Center), so 0.87 ac-ft/yr is consumptive.

Total consumptive use: 142 ac-ft/yr.

NARRATIVE DESCRIPTION OF PROJECT:

Kittitas County is changing this water right to instream flows and to mitigate for out-of-priority water use in its water bank and potentially to mitigate for an existing Group A water system. Kittitas County is building a waste transfer station on the southern portion of the property and the northern property, owned by D&N Development, LLC is a private construction staging area. The areas not covered by impervious surfaces will be planted with native vegetation.

The water right will be managed by an existing trust water right agreement between Kittitas County and Ecology.

Ecology's Water Banking Pilot Grant program may fund this acquisition, which would require 1/3 of the total water right to be permanently instream and not used for mitigation of new uses.