

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
CS4-01939sb9		
APPLICANT NAME	CONTACT NAME	TELEPHONE N.
Fabian Kuchin Jr.	Patricia Kirk - Ecology	(509)249-6299
WATER RIGHT HOLDER'S NAME (if different)		EMAIL
Same		pkir461@ecy.wa.gov

DATE OF APPLICATION	PRIORITY DATE
July 8, 2011	June, 30 1870

WATER SOURCE: Whiskey Creek, tributary to Wilson Creek and Yakima River.	CROP: Pasture/hay
INSTANTANEOUS QUANTITY: 0.65 cfs	ANNUAL QUANTITY: 100 acre-feet/year
PERIOD OF USE: April 1 st to October 15 th	
PLACE OF USE: That part of the E1/2NW1/4 of Section 34, T18N, R18E, W.M., lying north and east of the northeasterly right-of-way of State Highway No. 3 and south and west of Whiskey Creek, EXCEPT: highway and rail road rights-of-way.	PURPOSE OF USE: Irrigation of 25 acres
IRRIGATION METHOD: Gated pipe flood irrigation and small area of sprinkler irrigation.	

CONSUMPTIVE USE CALCULATION:				
<p>The following consumptive use calculations are based on the Washington Irrigation Guide (WIG) crop irrigation requirement for pasture in the Ellensburg area (31.46 inches annually). The quantities below only pertain to the 12 acres which Mr. Kuchin proposes to fallow. No consumptive water was credited to the farm/work yard area for dust control because it was not a use authorized under this court claim.</p>				
Total Consumptive Use Available for Instream flow or Water Banking				
Type of Irrigated Acres	Number of Acres to be Fallowed	% of Season pasture is produced	Consumptive water Duty that Applies (acre-feet/acre)	Consumptive use (acre-feet)
Large field – Flood irrigated	8.35	100%	2.84	23.71 acre-feet
Cattle yard – Flood irr.	0.95	100%	2.84	2.70 acre-feet
Cattle Yard – Sprinkler irr.	1.17(75% producing pasture) = 0.88	50%	2.97	1.31
Farm/work yard - Dust control only	1.53	0%	--	--
Total	12			<u>27.72</u>

The following quantities will be made available for mitigation or protected as instream flow in the secondary reach of this trust water right. The secondary reach starts in Wilson Creek and continues to the Yakima River just south of the town of Ellensburg, and ends at the Yakima River’s confluence with the Columbia River. The WIG defines the irrigation season water requirements from the month of May to mid-October.

Monthly Distribution of Water Available in the Secondary Reach of 27.72 ac-ft						
Month	May	June	July	August	September	October
Qi (cfs)	0.04	0.10	0.13	0.11	0.06	0.02
Monthly Qa (in acre-feet)	2.71	5.99	8.21	6.55	3.73	0.53

NARRATIVE DESCRIPTION OF PROJECT:

Mr. Kuchin has applied to Ecology to put a portion of the above indicated court claim into the Trust Water Right Program (TWRP) for the purposes of instream flow and water banking. The claim has been used by Mr. Kuchin to irrigate just under 35 acres near the western boundary of the town of Ellensburg. This claim has two priority dates (1870 and 1875) and two separate, adjacent places of use. The application for trust only pertains to the 1870 portion (25 acres). He plans to fallow 12 acres to provide 27.72 acre-feet of “consumptive use” water for the TWRP.

As a condition of placing a portion of this water right into the TWRP, the water placed into trust may be available as mitigation to address the issue of, and prevent, third-party impairment with respect to new out-of-priority water rights consistent with WAC 173-539A. The details can be viewed in the Trust Water Right Agreement between Yakima River Mitigation Water Services LLC and the Washington State Department of Ecology.

