

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
CS4-01180sb12@3 (KITT-18-02) (Adj. Cert. S4-83070-J)		
APPLICANT NAME	CONTACT	CONTACT'S TELEPHONE NO
Wooden Shoe LLC	Steve Newhouse	509.839.3940
WATER RIGHT HOLDER'S NAME (if different)		CONTACT'S EMAIL
Anthony W. Mynar, Jr. & Terry L. Mynar		

DATE OF APPLICATION	PRIORITY DATE
May 15, 2018	June 30, 1896

WATER SOURCE: Well	CROP: 54 acres irrigated; Alfalfa 47.5 ac. and pasture 6.5 ac.
INSTANTANEOUS QUANTITY: 2.18 cfs	ANNUAL QUANTITY: 208.4 acre-ft/yr
PERIOD OF USE: Irrigation April 1 through October 31; continuously for stock water.	
PLACE OF USE: Parcel No 11742, 958611, 11743, 648733. That portion of the W ¹ / ₂ SE ¹ / ₄ of Section 14, T. 17 N., R. 18 E.W.M. lying south of the Vertees No. 2 ditch and wasteway.	PURPOSE OF USE: Irrigation of 54 acres from April 1 through October 31, continuously for stockwater.
IRRIGATION METHOD: Flood irrigation was replaced by pressurized sprinkler system in 1996. A 25 hp centrifugal pump conveys water from an unnamed pond (shallow ring well in hydraulic connection with surface water) through 8 inch mainline to 4 inch wheel lines. Application to crop is via 88 impulse sprinklers and one big gun.	

CONSUMPTIVE USE CALCULATION: In 1993 Court Claim 01180 (Subbasin 12 Shushuskin Canyon) was confirmed 2.16 cfs, 540 acre-ft for the irrigation of 54 acres, 0.02 cfs, 1 acre-ft for stock water, and 0.18 cfs for conveyance loss, for a total of 2.36 cfs 541 acre-ft per year. The Qa awarded by the court was based on a water duty of 10 acre-ft/acre due to the course, well-drained soils on the place of use. In 2016 Aspect Consulting completed a beneficial use assessment that includes an estimate of consumptive use. The assessment utilizes two methods of estimation; calculation of the volume of water pumped from power-use records, and an estimate using the WAIG. The report indicates beneficial use of water was maximized at approximately 210 acre-ft. Using an efficiency factor of 65% to account for

application by wheel line sprinklers and the gravelly soils, the report estimates consumptive use at 156 acre-ft/yr.

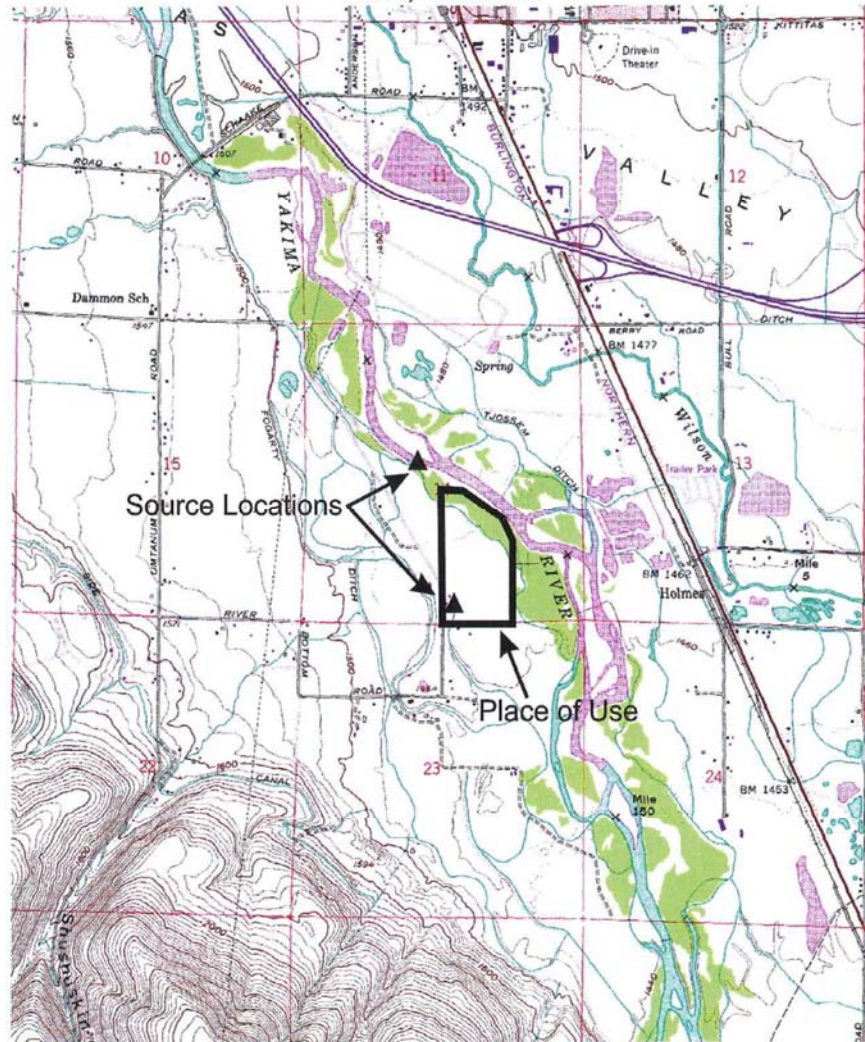
NARRATIVE DESCRIPTION OF PROJECT:

The project entails three separate change applications that will divide the larger portion of the water right between three separate entities. A smaller portion of the right, 5 ac-ft for irrigation of 1.3 acres and and 1 ac-ft for stockwater, will be retained on the current place of use. The subject application KITT-18-02 seeks to change the purpose of use for 1.6 cfs, 122.4 ac-ft to instream flows April 1 through October 31 and mitigation. Proposed place of use for instream flow and mitigation is within the Yakima River from current source to the Pacific Ocean. Proposed changes YAKI-18-03 and -04 have not yet been submitted for review. Summary of proposed division of the right for the project is as follows:

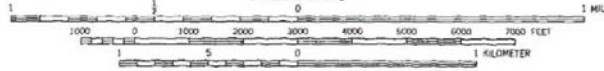
	Qi (cfs)	Qa (ac-ft/yr)	Purpose and period of use
Existing right S4-83070-J (tentative determination)	2.18	208.4	Irrigation 54 ac 4/1 – 10/31 and continuous stockwater
*KITT-18-02	1.6	122.4	Instream flow 4/1 – 10/31 and mitigation
YAKI-18-03	0.4	70	Instream flow 4/1 – 10/31 and mitigation
YAKI-18-04	0.1	10	Instream flow 4/1 – 10/31 and mitigation
To be retained at POU	0.08	5.0 1.0	Irrigation 1.3 ac. 4/1 – 10/31 and continuous stockwater

* Subject change

T17N, R18EWM



SCALE 1:24 000



CONTOUR INTERVAL 20 FEET
DOTTED LINES REPRESENT 10-FOOT CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929



Map Attachment: Current Water Right

S