WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO.		
Court Claim 01419 (Reecer Creek and Jones Creek)		
APPLICANT NAME J.P and Jan Roan	CONTACT NAME Jessica Kuchan	TELEPHONE NO. (206) 838-7650
WATER RIGHT HOLDER'S NAME (if different) J.P. and Jan Roan		EMAIL Kuchan@mentorlaw.com

DATE OF APPLICATION	PRIORITY DATE
June 2, 2014 (WTWG)	May 1, 1878 (Jones Creek) June 30, 1879 (Reecer Creek)

WATER SOURCE:	CROP:
Jones Creek (Tributary to Reecer Creek) Reecer Creek	Pasture Grass
INSTANTANEOUS QUANTITY: 2.0 cfs (Jones Creek) 0.75 cfs (Reecer Creek)	ANNUAL QUANTITY: 372 a.f./yr (Jones Creek) 267.3 a.f./yr (Reecer Creek)
PERIOD OF USE: April 1 to October 15	
PLACE OF USE: Jones Creek: The W½W½ NE¼ , E½ E½NW¼ , NE¼NE¼SW¼ and NW¼NW¼SE¼ of Section 21, T. 19 N., R. 18 E.W.M. Reecer Creek: That portion of the W½SE¼ of Section 20, T. 19N., R. 18 E.W.M. lying west of the ditch that exits the pond located in the SW¼NE¼ of Section 20.	PURPOSE OF USE: Irrigation
IRRIGATION METHOD: Flood	

CONSUMPTIVE USE CALCULATION:

The total consumptive use allocated under Court Claim 01419 was estimated using the methodologies and information presented in the Washington Irrigation Guide (WIG), the Irrigation Requirements for Washington – Estimates and Methodology publication (EB1513 – Washington State University, December 2001), Ecology Water Resources Guidance GUID-1210, and the Manual of Individual and Non-Public Water Supply Systems (US EPA, May 1991). Pertinent input parameters and assumptions to the estimation are listed below:

Irrigation Method: Surface/Flood

WIG Station: Ellensburg, Washington
Crop: Pasture grass
Crop Irrigation Requirement (CIR): 31.46 inches per year (1985 WID version) adjusted for the April 1 through October 15 water right irrigation period to 31.15 inches (2.596 feet/acre)
Acres Irrigated Under Court Claim 01419: 160 acres (100 acres from the Jones Creek right and 60 acres under the Reecer Creek Right).

For the Jones Creek right:
The water duty for this right is 3.72 feet/acre. The CIR of 2.596 feet/acre indicates an irrigation efficiency of 69.78% (2.596/3.72). Ecology GUID 1210 indicates that surface/flood irrigation methods have an additional evaporation loss of 5%. Therefore the total consumptive loss for the irrigation of 100 acres of pasture grass with an annual water right of 372 ac-ft is 278.2 (74.78% x 372 = 278.2).

For the Reecer Creek right:
The water duty for this right is 4.46 feet/acre. The CIR of 2.596 feet/acre indicates an irrigation efficiency of 58.21% (2.596/4.46). Ecology GUID 1210 indicates that surface/flood irrigation methods have an additional evaporation loss of 5%. Therefore the total consumptive loss for the irrigation of 60 acres of pasture grass with an annual water right of 267.3 ac-ft is 168.95 (63.21% x 267.3 = 168.95).

NARRATIVE DESCRIPTION OF PROJECT:

The Roans propose to retain the right to irrigate 3 acres with the Reecer Creek water right and transfer the remainder of the water rights to the State Trust Water Right Program. Therefore, based on the consumptive analysis listed above, and relying on the Washington Irrigation Guide for monthly quantifications, the Roans are proposing a transfer to the State Trust Water Right Program as follows:

For the 2014 Irrigation Season

June 30, 1879 (Retained for irrigation of 3 acres)

	Qa (AF)	Qi (cfs)
June 13-30	1.047	0.018
July	2.530	0.041
August	2.017	0.033
September	1.148	0.019
October (1-15)	0.079	0.003

6.821

May 1, 1878 (Transferred to instream flows)

	Qa (AF)	Qi (cfs)
June 13-30	34.42	1.023
July	83.23	1.356
August	66.35	1.081
September	37.78	0.636
October (1-15)	2.59	0.087

224.37

June 30, 1879 (Transferred to instream flows)

	Qa (AF)	Qi (cfs)
June 13-30	20.93	0.622
July	48.07	0.783
August	38.32	0.624
September	21.82	0.367
October (1-15)	1.50	0.051

130.64

For 2015 and subsequent irrigation Season

June 30, 1879 (Retained for irrigation of 3 acres)

	Qa (AF)	Qi (cfs)
May	0.835	0.014
1.847	1.047	0.031
July	2.530	0.041
August	2.017	0.033
September	1.148	0.019
October (1-15)	0.079	0.003

8.52

May 1, 1878 (Transferred to instream flows)

	Qa (AF)	Qi (cfs)
May	27.45	0.447
June	60.75	1.023
July	83.23	1.356
August	66.35	1.081
September	37.78	0.636
October (1-15)	2.59	0.087

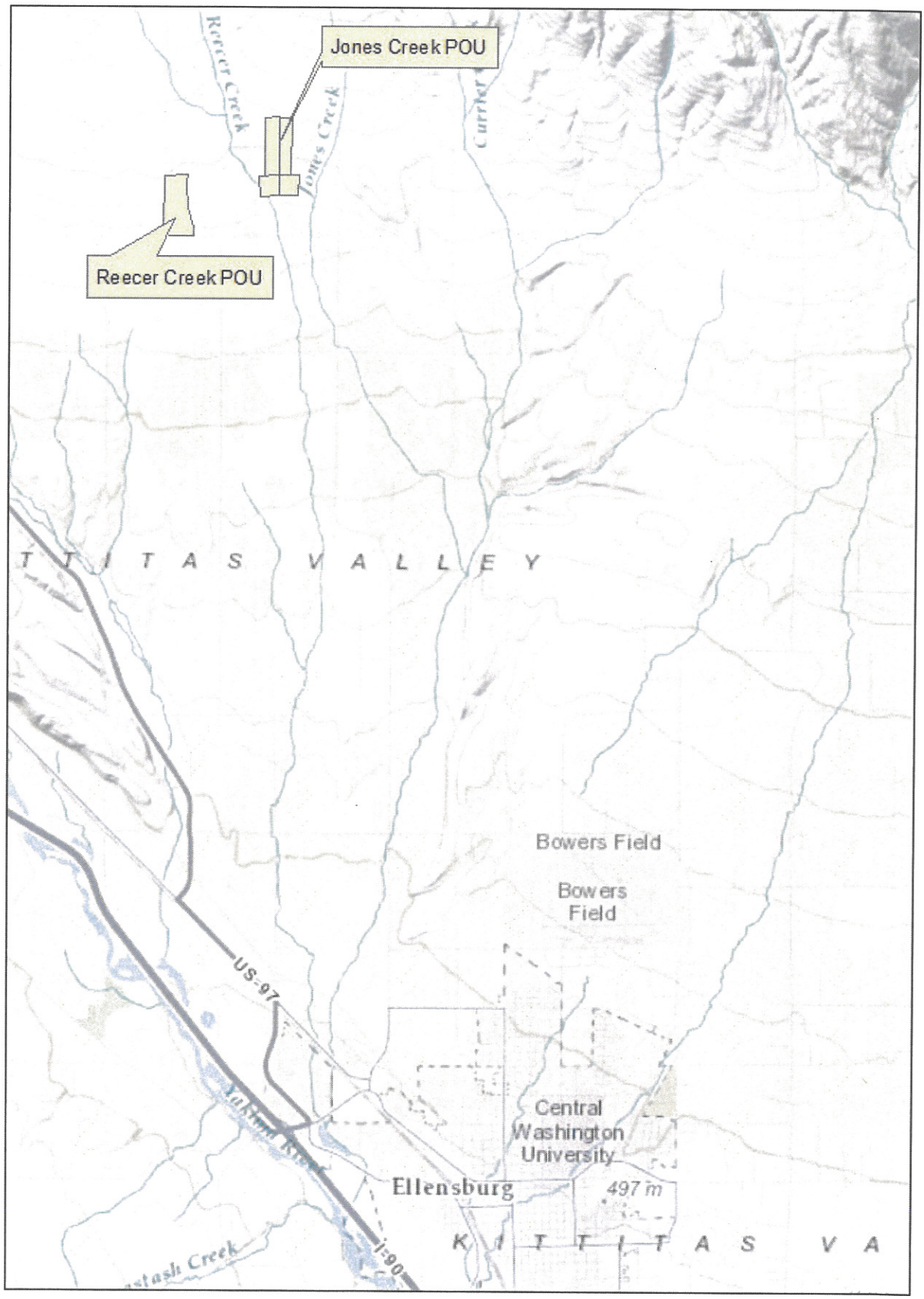
278.15

June 30, 1879 (Transferred to instream flows)

	Qa (AF)	Qi (cfs)
May	15.86	0.258
June	35.35	0.595
July	48.07	0.783
August	38.32	0.624
September	21.82	0.367
October (1-15)	1.50	0.051

160.92

WTWG Project form


Jones Creek POU
Reecer Creek POU
Reecer Creek
Jones Creek
T I T A S V A L L E Y
Bowers Field
Bowers Field
US-97
Yakima River
Central Washington University
Ellensburg
497 m
K I T T I T A S V A
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