

**WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION**

APPLICATION NO./COURT CLAIM NO. USBR (former Schaake property water rights) CS4-01444CTCLsb7 & CS4-01444CTCLsb9		
APPLICANT NAME US Bureau of Reclamation	CONTACT NAME Stan Isley	TELEPHONE NO. (509) 575-5848, ext. 281
WATER RIGHT HOLDER'S NAME (if different) US Bureau of Reclamation (former Schaake water rights)		EMAIL sisley@usbr.gov

DATE OF APPLICATIONS June 25, 2008 (both apps)	PRIORITY DATE CS4-01444CTCLsb7: 10-30-1884 CS4-01444CTCLsb9: 12-28-1887
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WATER SOURCE: CS4-01444CTCLsb7: Yakima River CS4-01444CTCLsb9: Wilson Creek	CROP: Historic hay/pasture irrigation, since 6-14-2007, instream flow OPL use.
INSTANTANEOUS QUANTITY: CS4-01444CTCLsb7: 4.0 cfs  CS4-01444CTCLsb9: 0.26 cfs	ANNUAL QUANTITY: CS4-01444CTCLsb7: 283.4 af/yr irr. & 2.5 af/yr stock CS4-01444CTCLsb9: 55.9 af/yr
PERIOD OF USE: CS4-01444CTCLsb7: April 1 – October 15 CS4-01444CTCLsb9: April 1 – October 31	
PLACE OF USE: CS4-01444CTCLsb7: portions of the S½ of Section 11, T. 17 N., R. 18 E.W.M. CS4-01444CTCLsb9: a portion of the N½NE¼ of Section 14, T. 17 N., R. 18 E.W.M.	PURPOSE OF USE: Instream flow (both) since 6-14-2007 OPL Prior to OPL: CS4-01444CTCLsb7: irrigation of 26 acres and stock water CS4-01444CTCLsb9: irrigation of 13 acres and stock water
IRRIGATION METHOD: Sprinkler system and flood irrigation historically	

<p>CONSUMPTIVE USE CALCULATION:  <b>CS4-01444CTCLsb7: primary reach Trust water right Q's are 4.0 cfs, 285.9 af/yr (283.4 + 2.5), managed in the primary reach as a constant rate instream flow Trust water right of 0.73 cfs (285.9 af/yr) from 4/01-10/15.</b></p> <p>Secondary reach TWR (CU) Q's are: 1) 68.16 af/yr [Washington Irrigation Guide (WIG) Crop Irrigation Water Requirement (CIR) for pasture @Ellensburg is 31.46 in./yr/acre x 26 acres = 68.16 af/yr], plus 14.17 af/yr [the additional evaporative loss of 5% on the annual diversion total of 283.4 af/yr = 14.17 af/yr], which equals a total irrigation CU of 82.33 af/yr (68.16 + 14.17); plus 2) the 2.5 af/yr stock water which is 100% CU [250 cows, each consuming 16.5 gpd each day for 198 days (4/01-10/15), = 816,750 gallons, = 2.5 af/yr], which all totals 84.83 af/yr (82.33 + 2.5) of CU.  <b>So therefore, the CS4-01444CTCLsb7 secondary reach TWR CU Q totals 84.83 af/yr.</b></p> <p><b>CS4-01444CTCLsb7 secondary reach monthly allocations are:</b></p>
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**May 1-31: 0.13 cfs (8.28 af); June 1-30: 0.31 cfs (18.34 af); July 1-31: 0.41 cfs (25.14 af); August 1-31: 0.33 cfs (20.04 af); September 1-30: 0.19 cfs (11.41 af); and October 1-15: 0.05 cfs (1.62 af).**

**CS4-01444CTCLsb9: primary reach Trust water right Q's are 0.26 cfs, 55.9 af/yr, managed in the primary reach as a constant rate instream flow Trust water right of 0.13 cfs (55.9 af/yr) from 4/01-10/31.**

Secondary reach TWR (CU) Q's are: 34.08 af/yr [Washington Irrigation Guide (WIG) Crop Irrigation Water Requirement (CIR) for pasture @Ellensburg is 31.46 in./yr/acre x 13 acres = 34.08 af/yr], plus 2.80 af/yr [the additional evaporative loss of 5% on the annual diversion total of 55.9 af/yr = 2.80 af/yr], which equals a total irrigation CU of 36.88 af/yr (34.08 + 2.80). No separate stock water Q was confirmed, so stock water CU is incidental to the irrigation use CU from 4/01-10/31 each year. So therefore, **the CS4-01444CTCLsb9 secondary reach TWR CU Q totals 36.88 af/yr.**

**CS4-01444CTCLsb9 secondary reach monthly allocations are:**

**May 1-31: 0.06 cfs (3.60 af); June 1-30: 0.14 cfs (7.97 af); July 1-31: 0.18 cfs (10.93 af); August 1-31: 0.14 cfs (8.71 af); September 1-30: 0.08 cfs (4.96 af); and October 1-31: 0.01 cfs (0.71 af).**

SUM of these 2 USBR Trust Water Rights:

- 1) Primary reach sum total TWR Q's are 4.26 cfs, managed in the primary reaches as constant rate Trust water rights totaling 0.86 cfs, 341.8 af/yr;**
- 2) Secondary reach sum total TWR CU Q's are 121.71 af/yr, at varying monthly flow rates in cfs as outlined above.**

**NARRATIVE DESCRIPTION OF PROJECT:**

The USBR purchased this former Schaake property on 8-06-2003 with Yakima River Basin Water Enhancement Project Water and Land Acquisition Program funds for the purpose of fallowing the land, restoring native vegetation and floodplain function, and transferring the irrigation & stock water rights to instream flow enhancement use in the Yakima River and/or lower Wilson Creek below the authorized points of diversion, and then downstream in the Yakima River and Columbia River to the Columbia River's confluence with the Pacific Ocean.

USBR obtained Yakima Adjudication Court Order Pendente Lite (OPL) authorization on 6-14-2007 to transfer these 2 water rights to ongoing instream flow use in the Yakima River.

The USBR currently proposes to place both of these two USBR (former Schaake) irrigation and stock water rights into the WA State Trust Water Rights Program, for management as instream flow Trust water rights from the original Yakima River and Wilson Creek points of diversion downstream to the Pacific Ocean.

The primary reach Trust water quantities will be the entire confirmed quantity of each water right, from the original diversion points downstream to the last return flow point from the former Schaake property. The secondary reach Trust water quantities are only the fallowed consumptive use portions of each of these 2 water rights. The secondary reach extends from the last return flow point for each water right downstream to the Pacific Ocean.

The USBR will place these two water rights in the Trust Program under the terms of Memorandum of Understanding #1425-0-8MU1U7121, between the Bureau of

Reclamation and the Department of Ecology, for Water Marketing and Management of Trust Water Rights in the Yakima Basin, entered on July 9, 2008.

That MOU provides that USBR will place this water into Trust for 10-year, automatically-renewing terms; the water will remain in USBR ownership while it is in Trust; and USBR can remove it from Trust by providing 60-day notice to Ecology if USBR determines its placement in the Trust is no longer meeting the goals of YRBWEP.

WTWG originally reviewed the transfer of these 2 USBR (former Schaake) water rights to instream flow use as WTWG transfer proposal #2007-34, prior to the Court's entry of the 6-14-2007 OPL. WTWG gave proposal #2007-34 its thumbs up recommendation at its 5-21-2007 meeting.