

**WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION**

APPLICATION NO./COURT CLAIM NO. USBR (YRBWEP BCP-funded conserved water from U.S./Roza ID water right) Trust Application CS4-00802, Court Claim No. 00802		SW Certificate No. S4-84351-J
APPLICANT NAME US Bureau of Reclamation	CONTACT NAME Stan Isley	TELEPHONE NO. (509) 573-8057
WATER RIGHT HOLDER'S NAME (if different) US Bureau of Reclamation (YRBWEP BCP-funded conserved water from U.S./Roza ID irrigation season water right)		EMAIL sisley@usbr.gov

DATES OF APPLICATION CS4-00802: February 13, 2018	PRIORITY DATE May 10, 1905
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WATER SOURCE: Yakima River	CROP: A mix of perennial orchard, vineyard, etc., and annual pasture, etc., crops.
INSTANTANEOUS QUANTITY: May 10, 1905 – 1,193 cfs	ANNUAL QUANTITY: May 10, 1905 – 393,000 af/yr
PERIOD OF USE: March 1 – October 31	
PLACE OF USE: “Those irrigable lands within the boundaries of the Roza Irrigation District. The current irrigable acreage is identified on Roza 1 and is subject to change based on future reclassification by the Bureau of Reclamation.”	PURPOSE OF USE: “Irrigation and domestic supply for 72,600 acres”
IRRIGATION METHOD: The full mix of irrigation methods.	

<p>CONSUMPTIVE USE CALCULATION:</p> <p><b>Primary reach Trust Program water right only, no fallowed consumptive use, so no secondary reach Trust water right can be created.</b></p> <p><b><u>A. Primary reach Trust water Q's for application CS4-00802</u> total a maximum of 5,523 af/yr (i.e., an ‘up to 5,523 af/yr portion’, from 4/01-10/31 but not affecting the U.S./Roza ID March water, of the U.S./Roza ID water right confirmed for irrigation and domestic supply for 72,600 acres from 3/01-10/31). This May 10, 1905-priority water right is 100% proratable during drought years.</b></p> <p><b>[NOTE: Prorating will be absorbed by the retained irrigation portion of the U.S./Roza ID water right. The instream flow Trust water Q's are firm, as outlined below.]</b></p> <p><b>The full, firm 5,523 af/yr (13.01 cfs, or as shaped) quantity of Trust water will be managed for instream flow Trust use in the Yakima River Basin during full water supply years and also in minor drought years when Yakima Basin proratable water rights are prorated to between 80 and 99.9 percent of their full supply.</b></p>
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**The following reduced, firm quantities of water will be managed for instream flow Trust use in the Yakima River Basin in years with prorationing levels between 79 and 71 percent:**

**4,908 af/yr (11.56 cfs, or as shaped) at 79% prorationing;  
4,307 af/yr (10.15 cfs, or as shaped) at 78% prorationing;  
3,721 af/yr (8.77 cfs, or as shaped) at 77% prorationing;  
3,148 af/yr (7.42 cfs, or as shaped) at 76% prorationing;  
2,589 af/yr (6.10 cfs, or as shaped) at 75% prorationing;  
2,043 af/yr (4.81 cfs, or as shaped) at 74% prorationing;  
1,512 af/yr (3.56 cfs, or as shaped) at 73% prorationing;  
994 af/yr (2.34 cfs, or as shaped) at 72% prorationing; and,  
490 af/yr (1.15 cfs, or as shaped) at 71% prorationing.**

**Zero (0) af/yr (0 cfs) of water will be managed for instream flow Trust water use in the Yakima River Basin during serious drought years with 70% or worse prorationing levels.**

**This instream flow Trust water will be managed by USBR in the primary reach in either of two ways: 1) as a constant rate instream flow Trust water right, from 4/01-10/31, totaling 13.01 cfs (i.e, the full, firm 5,523 af/yr of water) during full water supply years and also in minor drought years with prorationing levels between 80 and 99.9 percent, and reducing incrementally to zero (0) cfs (0 af/yr), as described above, during 70% and worse prorationing years; or 2) alternatively USBR may use available storage space in the 5 Federal reservoirs in the Yakima Basin to store and then shape the release and use of the storable portion of this Trust water, at varying release rates in cfs, to maximize fisheries and habitat benefits, from 4/01 through 3/31\* of the following year.**

**\*Note However: that any ‘previous-year’ Trust water remaining in storage on 3/31 may be retained for use in the ‘new year’ until the Federal reservoirs fill and spill or until storage control date at the latest, when any remaining ‘previous year’ Trust water becomes part of the ‘new year’s’ TWSA.**

**NARRATIVE DESCRIPTION OF PROJECT:**

The USBR and the Roza Irrigation District (Roza ID) signed and entered a Diversion Reduction Agreement on April 16, 2013. The parties agreed, in this agreement and in a later 3-party funding agreement with the Washington State Department of Ecology, to fund a Roza ID re-regulating reservoir water conservation project with Yakima River Basin Water Enhancement Project (YRBWEP, Title XII of Public Law 103-434, October 31, 1994, as amended) funding, providing that two-thirds of the resultant conserved water would be applied to use as instream target flow increases at the Parker and Prosser stream flow gages in the lower Yakima River (the ‘two-thirds block’ of conserved water), and one-third of the conserved water would be used to augment the Roza ID drought-year water supply (the ‘one-third block’ of conserved water).

The Diversion Reduction Agreement provides:

- that the entire U.S./Roza ID May 10, 1905-priority water right is 100% proratable and is subject to prorationing during water supply shortfall years in the Yakima Basin;
- that Roza ID will reduce its diversion of water by the full two-thirds block of conserved water, or 5,523 af/yr (firm), during full water supply years and in minor drought years when Yakima Basin proratable water rights are prorated to between 80 and 99.9 percent of full supply;

- that Roza ID will incrementally reduce its diversion of water by decreasing quantities, outlined in a defined schedule of reduction in the agreement's Attachment 2, during drought years with prorationing levels between 79.9 and 70.1 percent;
- that at prorationing levels of 70% or worse, the Roza ID re-regulating reservoir generates zero (0) af/yr of conserved water, and there will be no diversion reduction or instream flow Trust water or irrigation augmentation water in those years;
- that Roza ID will retain its one-third block of the conserved water, when available, to augment Roza ID's drought-year water supply; and
- that USBR will manage the two-thirds block of conserved water derived from this Roza ID re-regulating reservoir water conservation project for instream target flow Trust water use in the Yakima River past the Parker and Prosser streamflow gaging stations.

The YRBWEP-funded Roza ID re-regulating reservoir water conservation project is now completed and operational.

USBR will manage this 'up to 5,523 af/yr' of Roza ID two-thirds block of conserved water, in the Trust Program, for instream target flow enhancement use in the Yakima River, either: 1) as a default constant rate instream flow augmentation of up to 13.01 cfs [*See above 'Consumptive Use Calculation' box for the reduced quantity schedule for this two-thirds block of conserved water during drought years, which remains 13.01 cfs (5,523 af/yr) in full supply years and in years with prorationing levels of between 80% and 99.9%, reduces incrementally with prorationing levels from 79.9% to 70.1%, and is 0 cfs (0 af/yr) during serious drought years with prorationing levels of 70% or worse.*] from 4/01-10/31, from the Roza ID Diversion Dam at Yakima River Mile (RM) 127.9, downstream to the last return flow point from the Roza ID service area at Swiss Corral Creek's discharge to the Yakima River at Yakima RM 34.3, where this instream flow Trust water right will terminate; OR, 2) USBR may choose to utilize available storage space in the 5 Federal Yakima Basin reservoirs to make shaped releases, at varying rates of flow in cfs, of the storable portion of this Trust water right to maximize fisheries and habitat benefits, from 4/01 through 3/31\* of the following year, with the place of use being from the outlets of each of the 5 Federal Yakima Basin reservoirs downstream to the Swiss Corral Creek discharge to the Yakima River at Yakima RM 34.3, where this instream flow Trust water right will terminate. This 'two-thirds block' of conserved water (up to 5,523 af/yr) is the subject of application CS4-00802 (Trust water right application).

**\*Note However:** that any 'previous-year' Trust water remaining in storage on 3/31 may be retained for use in the 'new year' until the Federal reservoirs fill and spill or until storage control date at the latest, when any remaining 'previous year' Trust water becomes part of the 'new year's' TWSA.

The Roza Canal's Yakima River diversion point is at Yakima RM 127.9, within the NE¼NE¼ of Section 32, T. 15 N., R. 19 E.W.M.

The Swiss Corral Creek's discharge to the Yakima River is at Yakima RM 34.3, within the E½SE¼ of Section 9, T. 9 N., R. 26 E.W.M., where this 'two-thirds block' Trust water right (up to 5,523 af/yr) will terminate.

The USBR will place this up to 5,523 af/yr 'two-thirds block' of U.S./Roza ID conserved water 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

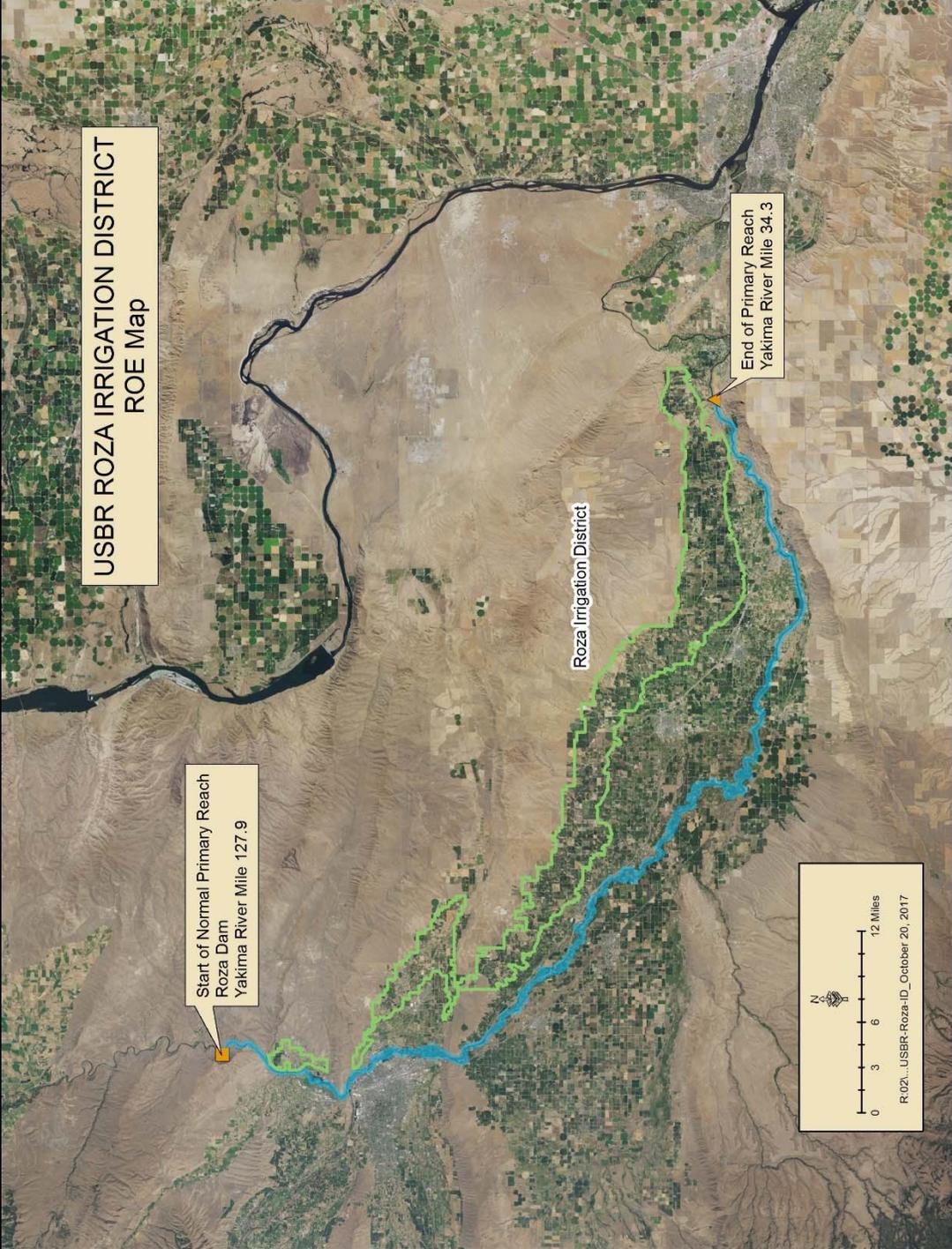
Trust; and USBR can remove it from Trust by providing 60-day notice to Ecology if USBR determines its placement in the Trust is no longer meeting the goals of YRBWEP.

This proposed Trust water right change/transfer will of course be conditioned to ensure no detriment or injury or impairment of third-party Yakima Basin water rights.

The USBR seeks a WTWG thumbs up approval recommendation for this transfer to instream flow Trust water use of this YRBWEP-funded 4/01-10/31 conserved water portion of the U.S./Roza ID water right originally confirmed by the Yakima Adjudication Court for irrigation and domestic supply for 72,600 acres from 3/01-10/31 each year.

WTWG Project form

**USBR ROZA IRRIGATION DISTRICT  
ROE Map**



Start of Normal Primary Reach  
Roza Dam  
Yakima River Mile 127.9

End of Primary Reach  
Yakima River Mile 34.3

Roza Irrigation District

