

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO. Court Claim #: 00353		
APPLICANT NAME Claimants: Lund, Ritter Wallick, and Mervos Trout Unlimited	CONTACT NAME Dave Lund, Representative Aaron Penvose, Trout Unlimited- WWP	TELEPHONE NO. (509) 925-4650 (509) 888-0970
WATER RIGHT HOLDER'S NAME (if different) Lund, Ritter, Juris (Mervos), Snyder (Mervos), Agostenelli (Mervos) and Wallick		EMAIL lundb1@hotmail.com apenvose@tu.org

DATE OF APPLICATION July 25, 2011	PRIORITY DATE June 30, 1887
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WATER SOURCE: Big Creek, Yakima County	CROP: 80 acres of Timothy Hay, Alfalfa and Grass
INSTANTANEOUS QUANTITY: Irrigation: 1.6 cfs (718.08 gpm) [Irrigation: 1.07 cfs, 480.22 gpm available through Sept. 1, 2013] Stock Water: 0.767 cfs (344.23 gpm) from Sept. 2 nd – Nov. 15 th ; 1.09 cfs (489.19 gpm) from Nov. 16 th – Feb. 29 th . [Stock Water: 0.453 cfs (203.30 gpm) from Sept. 2 nd – Nov. 15 th ; 0.551 cfs (247.29 gpm) from Nov. 16 th – Feb. 29 th available until Dec. 31, 2013.]	ANNUAL QUANTITY: 384 afy for irrigation [240.01 afy available through Sept. 1, 2013] 496.69 afy for stock water [237.63 afy available through Dec. 31, 2013]
PERIOD OF USE: May 1 - September 1 for irrigation Year-round for stock water (The quantity for stock water between May 1 st and Sept. 1 st is included in the quantity for irrigation.)	
PLACE OF USE: Those portions of the S1/2NW1/4 and the NE1/4SW1/4 of Section 28, T. 20 N., R. 28 E.W.M. lying north of the KRD canal; EXCEPT the NE1/4SE1/4NW1/4 and EXCEPT those portions of the SE1/4SW1/4NW1/4 and the NE1/4NW1/4SW1/4 lying southeast of the private road connecting the canal bridge crossing the Nelson Siding Road.	PURPOSE OF USE: Irrigation of 80 acres and stock water. Limitations of Use: The instantaneous quantity authorized for stock watering from May 1 through September 1 is not in addition to that authorized for irrigation. When there is surplus water in the creek and all existing rights are being satisfied, up to 3.2 cfs and an additional 95 afy can be diverted, provided that no more than 6.8 cfs is diverted into the Lund ditch under all

	existing rights served by the ditch.
IRRIGATION METHOD: Pivot, wheel Lines and hand line.	

CONSUMPTIVE USE CALCULATION:

The intent of the trust is to reduce the quantity of water diverted but not necessarily to reduce or require the following of irrigated acres. The result is less water is applied on the acres, limiting productivity of crops but not foreclosing some level of irrigation to maintain the soil water profile. While there will be some quantity of consumptive use of water realized by the trust, the quantification of the consumed water in trust is uncertain and will require significant studies that is not practical for this trust. Therefore, without such quantification, there is no expectation or request to protect the trust water right in the secondary reach, and the Petition is to have the trust water rights only protected in the primary reach. Based on findings completed by Pacific Groundwater Group and approved and adopted by the Department of Ecology, the primary reach for diversions by the Big Creek water users is from the point of diversion at Big Creek, 1100 feet north and 750 feet east from south quarter corner of Section 29, in SW1/4 SE1/4 of Section 29, T. 20 N, R 14 E.W.M. to the confluence with the Yakima River. Report of Examination for Change of Claim 00353, Application No. CS4-00353CTCL, February 5, 2005.

The following are the total water quantities that will not be diverted under Claim 00353 and 00456, beginning August 1st, 2011.

Total Quantities Transferred to Trust

Source: Big Creek

Purpose of Use: Instream flow

Period of Use: August 1 – February 29th each year until February 29, 2016

Instant. Quantity: 0.33 cfs (148.1gpm) August 1- September 1 2011-2013
0.25 cfs (112.2 gpm) September 2 - November 15th, 2011-2013
0.33 cfs (148.1 gpm) November 16th - February 28, 2011-2013

0.80 cfs (359.04 gpm) August 1- September 1 2014-2015
0.55 cfs (246.84 gpm) September 2 - November 15th, 2014-2015
0.80 cfs (359.04 gpm) November 16th-February 28/29, 2014-2016

Annual Quantity: 20.91 August 1- September 1, 2011-2013

50.69 August 1- September 1, 2014-2015

Place of Use: In Big Creek, from Big Creek Water User's Diversion to confluence with Yakima River

NARRATIVE DESCRIPTION OF PROJECT:

This project is a 5 year lease of late season irrigation and stock water on Big Creek, a tributary to the Upper Yakima River. The lease is with water right holders under Court Claim 00353 and 00456, which are co-managed and diverted at the same location on Big Creek. The diversion is the further most upstream diversion and lease of this water provides approximately a 2.5 Mile primary reach benefit. Big Creek is flow limited and has plentiful habitat upstream of the Big Creek Water Users Association Diversion (BWUA), which why instream flow has been described as the most limiting factor on Big Creek. Prior to the investigating the lease, TU-WWP consulted WDFW biologists on benefits of the lease and WDFW fully supported improved stream flow in Big Creek and said "the Washington Water Acquisition Program ranks Big Creek as a high priority for stream flow restoration, as most physical habitat parameters are relatively intact in the upper basin. Instream flow is currently the most limiting factor to salmonid production in Big Creek."

WTWG Project form