

**WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION FORM**

**2009-19**

APPLICATION NO.	WATER RIGHT / COURT CLAIM NO see Attachment A	DATE OF APPLICATION June 2, 2009
APPLICANT NAME Cowiche Creek Water Users Association (CCWUA) <b>CCWUA Source Substitution Project</b>	CONTACT NAME Mike Tobin, North Yakima Conservation District Lisa Pelly, Washington Rivers Conservancy Walt Larrick, BOR Stan Isley, BOR/DOE	TELEPHONE NO. 509-454-5736 ext 3  509-630-0467 509-575-1585 509-575-1585
WATER RIGHT HOLDER'S NAME (if different) see Attachment A		EMAIL lisa@warivers.org mike.tobin@wa.nacdnet.org
WATER SOURCE: South Fork Cowiche Creek Cowiche Creek Tieton River	PRIORITY DATE see Attachment A	PERIOD OF USE: April 1 through October 31

**HISTORIC USES**

INSTANTANEOUS QUANTITY: 7.915 cfs	ANNUAL QUANTITY: 1583.4 acre-ft/yr	CROP: pasture and hay
PLACE OF USE: see attached list	PURPOSE(S) OF USE: irrigation and stock water	IRRIGATION METHOD: impact sprinklers on hand and wheel lines

**CONSUMPTIVE USE CALCULATION:**

These calculations are based on Washington Irrigation Guide data for Pasture/Turf in the area of the Yakima Climatic Station with 88 percent efficiency of application and a 188-day growing period from April 23 to October 27. A spreadsheet showing the full calculations is included as Attachment B.

SUMMARY	April	May	June	July	August	September	October	TOTAL
# of days	8	31	30	31	31	30	27	188
cfs	1.74	3.59	4.49	5.70	4.56	3.00	1.16	
acre-feet	27.55	220.81	267.35	350.76	280.39	178.73	62.18	1387.78

**MAP / SCHEMATIC OF PLACE OF USE AND POINT(S) OF DIVERSION:**

Please see Attachment C for the relationship of the authorized places of use using the alphabetical identifiers given the applicants as noted in Column G of the table (Attachment A).

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<b>PROPOSED USES</b>		
<b>INSTANTANEOUS QUANTITY:</b> 7.915	<b>ANNUAL QUANTITY:</b> 1583..4 acre-ft/yr	<b>CROP:</b> pasture and hay
<b>PLACE OF USE:</b> No change to the irrigation and stock water places of use. The trust water right will be protected in the lower South Fork of Cowiche Creek and Cowiche Creek to the confluence with the Naches River.	<b>PURPOSE(S) OF USE:</b> Irrigation, stock water and instream flow enhancement	<b>IRRIGATION METHOD:</b> impact sprinklers on hand and wheel lines
<b>NARRATIVE DESCRIPTION OF PROJECT:</b> <p>The Cowiche Creek irrigation rights of the Cowiche Creek Water Users Association (CCWUA), will be transferred for use as trust water rights for instream flow enhancement in Cowiche Creek. Ecology will issue new "fully-mitigated" permits to the CCWUA water users for diversion of up to 7.915 cfs from the Tieton River, to be carried through the YTID irrigation system to a new service lateral to the CCWUA place of use. The instream flow trust water rights will end at Cowiche Creek's confluence with the Naches River, where the water will become replacement water for the increased diversion amount into the YTID system at its diversion dam above Rimrock Landing on the Tieton River. Ecology's transfer and new permit approvals for the CCWUA will be conditioned to ensure NO detriment or injury occurs to other water rights, including all of TWSA and designated instream flows/target flows and the other diverters in the reach between the YTID diversion on the Tieton River and the mouth of Cowiche Creek. Approval conditions will include measurement devices on diversions and on Cowiche Creek, and will also require a management plan from CCWUA to ensure no enlargement of use under CCWUA water rights, etc. Reclamation will not modify its reservoir operation in any way to accommodate the "Cowiche Project". The Tieton River flow below the YTID diversion point will be reduced by the "up to 7.915 cfs" diverted for CCWUA irrigation use. The Bureau of Reclamation does not maintain target flows in this "bypass reach" of the Tieton River, thus no target instream flows will be affected by the "Cowiche Project". SOAC has written a letter unanimously endorsing the "Cowiche Project". Several members of the CCWUA are concurrently completing an irrigation efficiencies project upgrades. Thus, the CCWUA irrigators will likely need to divert less than their full 7.915 cfs water rights quantity out of the Tieton River to meet their irrigation needs. Less water diverted out of the Tieton River means less impact to the bypassed reach of the Tieton River.</p> <p>This "Cowiche Project" is a fisheries enhancement project that will benefit both ESA-threatened steelhead and also coho salmon. This project will eliminate fish passage barriers at two historic CCWUA diversion dams and will open up miles of upper Cowiche Creek for spawning and rearing of anadromous fish.</p>		

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