

## WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO. No. S4-29795		
APPLICANT NAME Salmon La Sac Association	CONTACT NAME Kelsey Collins	TELEPHONE NO. 509-575-2640
WATER RIGHT HOLDER'S NAME (if different)		EMAIL KESI461@ECY.WA.GOV

DATE OF APPLICATION August 22, 1988	PRIORITY DATE August 22, 1988; mitigated by trust water right with June 30, 1873 priority date
--	---

WATER SOURCE: Cooper and Cle Elum Rivers	CROP: N/A - Indoor Use Only
INSTANTANEOUS QUANTITY: 0.10 cfs (Cooper River) 0.10 cfs (Cle Elum River)	ANNUAL QUANTITY: 0.18 acre-feet (consumptive use)
PERIOD OF USE: Continuous – year round	
PLACE OF USE: SW1/4SW1/4, NW1/4SW1/4, and SE1/4SW1/4 of Section 9 T. 22 N., R. 14 E.W.M.	PURPOSE OF USE: Single domestic for 18 cabins
IRRIGATION METHOD: N/A	

CONSUMPTIVE USE CALCULATION:  
New Mitigated Water Right - Ecology has determined (Ecology 2006) that the average seasonal recreational cabin uses approximately 100 gallons per day (gpd) or 0.03 ac-ft/yr for occupancy up to 105 days per year. Assuming 30 percent of total use is consumptive; each cabin would require 0.01 ac-ft/yr. Therefore, for the assumed 18 unpermitted cabins in the Salmon La Sac community, 0.18 ac-ft/yr will be required to fully mitigate a new water right.

NARRATIVE DESCRIPTION OF PROJECT:  
 As directed by Senate Bill 6861, Ecology is providing water banking opportunities for Yakima Basin Cabin Owners with junior claims (post-1905) to purchase senior mitigation credits to offset the consumptive use of water during years of rationing by the US Bureau of Reclamation.

Ecology proposes to offset 0.18 ac-ft/yr of consumptive use with mitigation credits from Trust Water Right Nos. CS4-00195CTCL(A)sb6, CS4-00195CTCL(B)sb6, and CS4-

00195CTCL(C)sb6 – collectively known as Bruton Ditch. The Bruton Ditch project was last presented to the WTWG on September 14, 2009. One cabin owner may elect to purchase mitigation water (Application No. G4-35429) from the Williams Family Trust Water Bank (Trust Water Right No. CS4-01746CTCLsb10), which was last presented to the WTWG on August 30, 2010.

Of the 60 ac-ft/yr currently assigned to the USBR-Ecology Exchange Contract (Contract No. 09XX101700) under the Bruton Ditch project, 0.18 ac-ft will be allocated to the subject application to address impacts to TWSA. This number will be reduced accordingly if the Williams Bank is used.

#### PROPOSED USBR-ECOLOGY CONTRACT ASSIGNMENT RATIONALE

Diversion of surface water during rationing years will impact flows in the Yakima River when the TWSA irrigation supply period is in effect.

#### IMPACT ANALYSIS

The points of diversion are located directly on the Cooper and Cle Elum Rivers. A typical diversion consists of a small electric pump placed in the river at a point directly adjacent to the individual cabin. Water is diverted, conveyed a short distance to a small elevated storage tank, then gravity fed to the cabin for general domestic use. Water which is not consumptively used is discharged to an individual on-site septic or drainfield.

The small generator-powered pumps are typically placed in the river in spring, then immediately removed after the tank(s) are filled. Storage tanks range in size from 55 to 250 gallons, and typically supply enough water to the individual cabin with one fill for the entire season. Any remaining water in the tank(s) is drained prior to winter.

Cle Elum Lake is a migratory barrier to anadromous salmonids (Cle Elum Dam has no fish passage facilities), but are trap-and-hauled above the dam. Both the Cooper and Cle Elum River provide spawning and rearing habitat for ESA-listed species, including Bull Trout and Chinook Salmon. However, the diversion from the Cooper (0.10 cfs) and Cle Elum (0.10 cfs) Rivers – plus known diversions from up-river communities, including Cooper Lake, Paris Creek, and Boulder Creek – are below 1 percent of the respective critical low flow; therefore, no ESA consultation has been conducted.

#### CONCLUSION

During rationing years, the availability of water to satisfy TWSA in the Yakima River will not be impacted if 0.18 ac-ft were held and released from Cle Elum Lake. Assignment of 0.18 ac-ft would be in compliance with the consultation threshold in paragraph 18(b) of the USBR-Ecology contract.

#### REFERENCES

Ecology 2011. Columbia River Instream Atlas Project, Publication Number: 11-12-015. Prepared by the Washington Department of Fish and Wildlife. September 2011.

Reclamation, 2005. Phase I Assessment Report, Storage Dam Fish Passage Study, Yakima Project, Washington. Revised April 2005

WDFW. SalmonScape. <http://wdfw.wa.gov/mapping/salmonscape/index.html>.

WTWG Project form

PROJECT LOCATION MAP

