

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO. Pending Application for a new Water Right		
APPLICANT NAME Camp Zarahemla	CONTACT NAME Kelsey Collins	TELEPHONE NO. 509-575-2640
WATER RIGHT HOLDER'S NAME (if different)		EMAIL KESI461@ECY.WA.GOV

DATE OF APPLICATION Pending	PRIORITY DATE Pending; mitigated by trust water right with June 30, 1873 priority date
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WATER SOURCE: Unnamed Spring, tributary to North Fork Tieton River and Clear Lake; and one well (proposed)	CROP: N/A - Indoor Use Only
INSTANTANEOUS QUANTITY: 0.10 cfs	ANNUAL QUANTITY: 0.51 acre-feet (consumptive use)
PERIOD OF USE: Continuous – year round	
PLACE OF USE: Camp located within the SE¼ of Section 11 of T. 13 N., R. 12 E.W.M., Snoqualmie National Forest	PURPOSE OF USE: Community domestic for 100-person camp facility
IRRIGATION METHOD: N/A	

<p>CONSUMPTIVE USE CALCULATION: <u>New Mitigated Water Right</u> - The camp currently has no water right on file with Ecology. Based on metering records, the camp has used a maximum of about 550,000 gallons per year (or about 1.7 acre-feet) since 2008. However, due to reliability and water quality of the spring, the camp is considering drilling a new well, and the spring may be retained as backup water supply. Assuming 30 percent of total use is consumptive; the camp would require 0.51 ac-ft/yr to fully mitigate the new water right.</p> <p>The camp is located on National Forest System lands, authorized by a special use permit. The permit specifics lot appearance shall be maintained in the condition of a natural northwest forest environment. Planting of lawns or non-native plants is prohibited.</p>

<p>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</p>

mitigation credits to offset the consumptive use of water during years of rationing by the US Bureau of Reclamation.

Ecology proposes to offset 0.51 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.

Of the 60 ac-ft/yr currently assigned to the USBR-Ecology Exchange Contract (Contract No. 09XX101700) under the Bruton Ditch project, 0.51 ac-ft will be allocated to the subject application to address impacts to TWSA.

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 point of diversion is located on an unnamed tributary, approximately 1,250 feet above the North Fork Tieton River (above Clear Lake Dam). Water is diverted from the creek, filtered, chlorinated, and stored prior to distribution to the camp. Return flow to Clear Lake occurs through septic. Based on the authorized quantities, the cumulative consumptive impact will not exceed 0.51 ac-ft/yr.

Rimrock Lake is a migratory barrier to anadromous salmonids (Tieton Dam has no fish passage facilities) and the fish ladder at Clear Lake Dam functions poorly and is ineffective in providing fish passage (Reclamation 2005). In addition, the unnamed tributary is too small and/or steep to provide habitat for anadromous salmonids (Reclamation 2005), and WDFW fish distribution data indicate no occurrence of Bull Trout or other ESA-listed fish. However, the upper reach of the North Fork Tieton River (extending from Clear Lake to the headwaters) does provide spawning and rearing habitat for Bulltrout. The diversion (0.10 cfs) is below 1 percent of critical low flow of the lower reach North Fork Tieton River; therefore, no ESA consultation has been conducted. No other known diversions are located on or above the subject river reach.

CONCLUSION

During rationing years, the availability of water to satisfy TWSA in the Yakima River will not be impacted if 0.51 ac-ft were held and released from Rimrock Lake. Assignment of 0.51 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>.

2014-39 – Pending New Water Right
(Camp Zarahemla)

PROJECT LOCATION MAP

