

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO. Court Claim No. 00302; and one pending Application for a New Water Right		
APPLICANT NAME South First Kachess Summer Homes	CONTACT NAME Kelsey Collins	TELEPHONE NO. 509-575-2640
WATER RIGHT HOLDER'S NAME (if different) South First Kachess Summer Homes (c/o Art Whitham)		EMAIL KESI461@ECY.WA.GOV

DATE OF APPLICATION Pending	PRIORITY DATE May 19, 1958; mitigated by trust water right with June 30, 1873 priority date
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WATER SOURCE: Thetis Creek, tributary to Lake Kachess	CROP: N/A - Indoor Use Only
INSTANTANEOUS QUANTITY: Existing Claims: 0.03 cfs New Water Right: 0.01 cfs	ANNUAL QUANTITY: Existing Claims: 0.06 ac-ft/yr (consumptive use) New Water Right: 0.01 ac-ft/yr (consumptive use)
PERIOD OF USE: Continuous – year round	
PLACE OF USE: That portion of Government Lot 2, Section 5, T. 21 N., R. 13 E.W.M. described as follows: Commencing at the northwest corner of said section; thence south 375 feet, more or less, to the point of beginning; thence south 550 feet, more or less; thence northeasterly 690 feet, more or less, along the highwater line of Lake Kachess; thence N 75° W 263 feet, more or less, to the point of beginning.	PURPOSE OF USE: Community domestic for 7 summer cabins
IRRIGATION METHOD: N/A	

<p>CONSUMPTIVE USE CALCULATION:</p> <p><u>Existing Claim</u> - The junior claim holder is authorized to divert an annual quantity of 3.0 ac-ft/yr for domestic use at 6 cabins. 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 6 permitted cabins, 0.06 ac-ft/yr will be required to mitigate the existing claim.</p> <p><u>New Mitigated Water Right</u> – Using the same rationale as above, for the 1 unpermitted</p>

cabin in the community, 0.01 ac-ft/yr will be required to fully mitigate the 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 and/or certificates (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 0.07 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, 0.07 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 directly on Thetis Creek, approximately 1,100 feet above the confluence with Lake Kachess. Water is diverted from the creek, stored, and then distributed to the cabin community. Return flow to the lake occurs through septic. Based on the authorized quantities, the cumulative consumptive impact will not exceed 0.07 ac-ft/yr.

Kachess Lake is a migratory barrier to anadromous salmonids (Kachess Dam has no fish passage facilities); Thetis Creek commonly goes subsurface, and is not considered as being accessible to anadromous salmonids (Reclamation 2005). In addition, WDFW fish distribution data indicate no occurrence of Bull Trout or other ESA-listed fish.

CONCLUSION

During rationing years, the availability of water to satisfy TWSA in the Yakima River will not be impacted if 0.07 ac-ft were held and released from Kachess Lake. Assignment of 0.07 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

CLAIMANT NAME:

South First Kachess Summer Homes

COURT CLAIM NO. 00302

Certificate Number: S4-83040-J

Subbasin: 02 Easton

Source: Thetis Creek

Use: Group domestic supply for six recreational homes

Period of Use: Continuous

Quantity: 0.03 cubic foot per second, 3.0 acre-feet per year

Priority Date: **May 19, 1958**

Point of Diversion: 500 feet north and 200 feet west from the southeast
corner of Section 31, being within the SE $\frac{1}{4}$ SE $\frac{1}{4}$ Section 31, T. 22 N., R.
13 E.W.M.

Place of Use: That portion of Government Lot 2, Section 5, T. 21 N., R. 13 E.W.M. described as follows:
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2014-36-CC-00302
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(Whitham)

