

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO. Court Claim No. 02276 and one pending Application for a new Water Right		
APPLICANT NAME Indian Creek	CONTACT NAME Kelsey Collins	TELEPHONE NO. 509-575-2640
WATER RIGHT HOLDER'S NAME (if different) U.S. Forest Service; Indian Creek Community Association		EMAIL KESI461@ECY.WA.GOV

DATE OF APPLICATION Pending	PRIORITY DATE Post 1905; mitigated by trust water right with June 30, 1873 priority date
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WATER SOURCE: 5 unnamed springs, tributary to Indian Creek and Rimrock Lake; and up to 4 groundwater wells	CROP: N/A - Indoor Use Only
INSTANTANEOUS QUANTITY: Existing Claim: 0.007 cfs New Water Right: 0.2 cfs	ANNUAL QUANTITY: Existing Claims: 0.01 ac-ft/yr (consumptive use) New Water Right: 0.19 ac-ft/yr (consumptive use)
PERIOD OF USE: Continuous – year round	
PLACE OF USE: Indian Creek Summer Home Sites, in unsurveyed Section 6, T. 13 N., R. 13 E.W.M.	PURPOSE OF USE: Domestic supply for up to 20 recreational cabins
IRRIGATION METHOD: N/A	

<p>CONSUMPTIVE USE CALCULATION:</p> <p><u>Existing Claims</u> - The junior claim holder is authorized to divert an annual quantity of 0.5 ac-ft/yr. However, 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; the single cabin claim would require 0.01 ac-ft/yr for mitigation.</p> <p><u>New Mitigated Water Right</u> – Using the same rationale as above, for the assumed 19 unpermitted cabins in the community, 0.19 ac-ft/yr would be required to fully mitigate the new water right.</p> <p>Total authorization (existing and new) will not exceed 0.20 ac-ft/yr (consumptive use).</p> <p>The cabin community 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</p>
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natural northwest forest environment. Planting of lawns or non-native plants is prohibited.

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 0.20 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, 0.20 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(s) of diversion/withdrawal are located throughout the cabin community, adjacent to Indian Creek and/or Rimrock Lake. Water is diverted from a small improved spring and/or groundwater well, then distributed directly to an adjacent cabin. None of the diversions are in direct surface continuity with Indian Creek. Return flow to Indian Creek and/or Rimrock Lake occurs through septic. Based on the proposed quantities, the cumulative consumptive impact will not exceed 0.20 ac-ft/yr.

Rimrock Lake is a migratory barrier to anadromous salmonids (Tieton Dam has no fish passage facilities); however, the lower reach(s) of Indian Creek do provide spawning and rearing habitat for Bulltrout. A site visit was made by Tyson Carlson (Aspect Consulting) and Johnathan Kohr (WDFW) on October 2, 2013 to observe low-flow conditions. It was concluded that the maximum cumulative diversion/withdrawal (0.207 cfs) is below 1 percent of critical low flow of Indian Creek (including upgradient diversions – see below); therefore, no formal ESA consultation has been conducted.

Only other documented diversion located on Indian Creek is Court Claim No. 02219 (Indian Creek Corral) for 0.04 cfs and 1.4 ac-ft/yr for domestic supply and stock water.

CONCLUSION

During rationing years, the availability of water to satisfy TWSA in the Yakima River will not be impacted if 0.20 ac-ft were held and released from Rimrock Lake. Assignment of 0.20 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:

United States of America

U.S. Forest Service

COURT CLAIM NO. 02276

(A)03074

(A)05548

(A)07253

Certificate Number: S4-84370-J

Subbasin: MC Major Claimants

Source: Unnamed spring

Use: Domestic supply

Period of Use: Continuous

Quantity: 0.007 cubic foot per second, 0.5 acre-foot per year

Priority Date: April 24, 1962

Point of Diversion: 320 feet south and 920 feet east of the west quarter corner of Section 6, being within the NW¼SW¼ of Section 6, T. 13 N., R. 13 E.W.M.

Place of Use: Lot 12, Indian Creek Summer Home Site, in unsurveyed Section 6, T. 13 N., R. 13 E.W.M.

PROJECT LOCATION MAP

