WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO. Pending		
APPLICANT NAME Horseshoe Cove	CONTACT NAME Kelsey Collins	TELEPHONE NO. 509-575-2640
WATER RIGHT HOLDER'S NAME (if different) Horseshoe Cove		EMAIL KESI461@ECY.WA.GOV

DATE OF APPLICATION Pending	PRIORITY DATE Pending; mitigated by trust water right with June 30, 1873 priority date

WATER SOURCE: Unnamed spring(s), tributary to Rimrock Lake	CROP: N/A - Indoor Use Only
INSTANTANEOUS QUANTITY: 0.0 1 cfs	ANNUAL QUANTITY: 1.1 ac-ft/yr (total use); 0.32 ac-ft/yr (consumptive use)
PERIOD OF USE: Continuous – year round	
PLACE OF USE: Horseshoe Cove Lots 1 through 16 within the SW1/4 of Section 3, of unsurveyed T. 13 N., R. 13 E.W.M., Snoqualmie National Forest	PURPOSE OF USE: Community domestic for 16 recreational 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 16 unpermitted cabins in the Horseshoe Cove community, 0.32 ac-ft/yr will be required to fully mitigate a new water right.

The 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 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 to purchase senior mitigation credits to offset the consumptive use of water.

Ecology proposes to offset 0.32 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, 0.32 ac-ft will be allocated to the subject application to address impacts to TWSA.

PROPOSED USBR-ECOLOGY CONTRACT ASSIGNMENT RATIONALE

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

IMPACT ANALYSIS

The point of diversion is located at a small unnamed spring, approximately 3,000 feet above Rimrock Lake. Water is diverted from the improved spring, filtered, and stored prior to distribution to the cabins. Return flow to Rimrock Lake occurs through septic. Based on the authorized quantities, the cumulative consumptive impact will not exceed 0.32 ac-ft/yr.

Rimrock Lake is a migratory barrier to anadromous salmonids (Tieton Dam has no fish passage facilities). In addition, the small spring is not tributary to any surface water; therefore, 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.

CONCLUSION

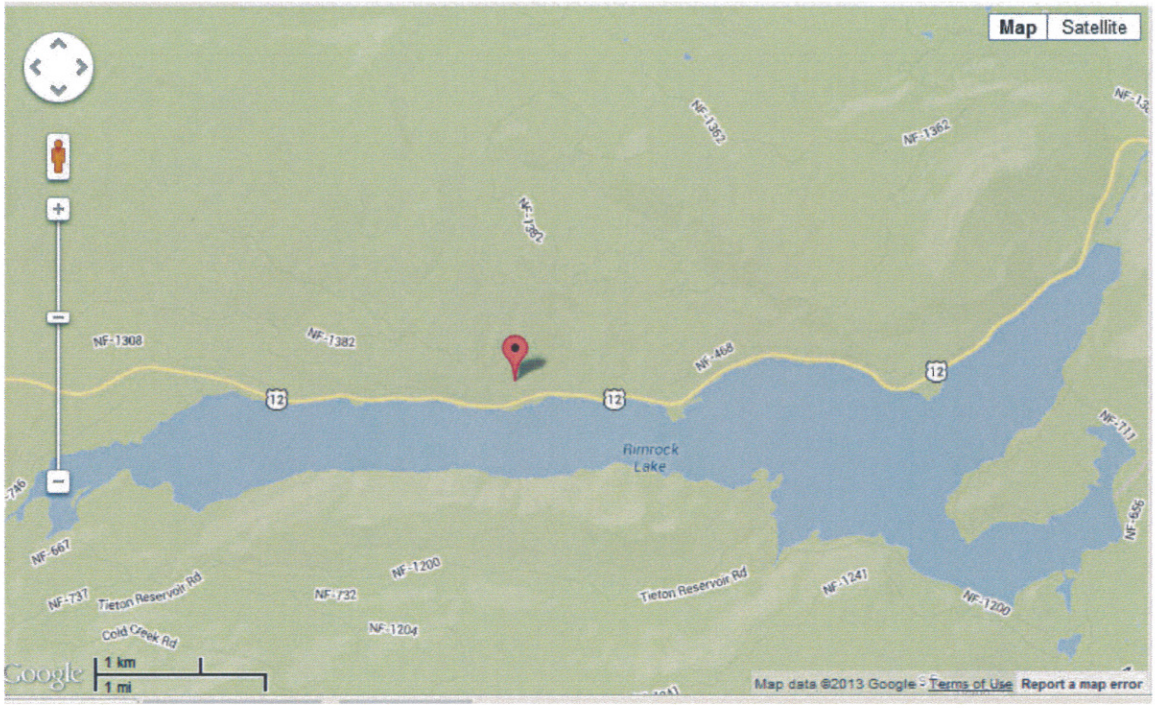
During rationing years, the availability of water to satisfy TWSA in the Yakima River will not be impacted if 0.32 ac-ft were held and released from Rimrock Lake. Assignment of 0.32 ac-ft would be in compliance with the consultation threshold in paragraph 18(b) of the USBR-Ecology contract.

REFERENCES

Ecology 2006. Report to the Legislature, Potential Water Solution for Domestic Surface Water Users, Yakima Basin Camps & Cabins Owners. December 2006.

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.

PROJECT LOCATION MAP