

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO. Court Claim No. 01296		
APPLICANT NAME Swiftwater Ranch, LLC	CONTACT NAME Traci Shallbetter, Shallbetter Law	TELEPHONE NO. (509) 674-3836
WATER RIGHT HOLDER'S NAME (if different) Michael White		EMAIL traci@shallbetterlaw.com
DATE OF APPLICATION	PRIORITY DATE May 24, 1884	
WATER SOURCE: Unnamed Creek, SW ¼, Sec.1, T19 , R15E	CROP: Timothy Hay	
INSTANTANEOUS QUANTITY: 0.80 cfs	ANNUAL QUANTITY: 160 AF/year for irrigation of 36 acres; 2 AF/year for stock water	
PERIOD OF USE: April 1-October 31		
PLACE OF USE: (CURRENT) Government Lot 2 of Sec 1, T 19N, R 15 E., W.M., Kittitas County (Subbasin No. 5), (corresponding approximately with tax parcels 365534 and 14143; Map Nos. 19-15-01000-002 and 19-15-01000-0042) (PROPOSED) Section 25, T20N, R16E in Subbasin 5	PURPOSE OF USE: (CURRENT) Irrigation of 36 acres and stock watering (PROPOSED) Year around domestic/municipal supply	
IRRIGATION METHOD: Via concrete head ditches and flood irrigation; supplemented by KRD deliveries		
<p>CONSUMPTIVE USE CALCULATION: The applicant estimates <u>approximately 58 AF</u> as the consumptive use associated with the irrigation portion of the Claim, and 2 AF as the consumptive use associated with the stockwater.</p> <p><u>Methodology 1= Working Backwards from Referee Report and Authorized Quantities</u> 160 AF/year authorized for 36 acres = 160 AF per year/36 acres = 4.44 AF per acre duty CIR for Clover = 19.11 in/acre annually or 1.6 AF/acre 1.6 AF per acre CIR divided by 4.44 AF per acre duty = 36% efficiency 160 AF x 36% =57.65 AF consumed, and remainder of 102.35 AF is return flow <i>Alternatively,</i> CIR for Clover = 19.11 in/acre annually or 1.6 AF/acre Total CIR: 19.11 in/acre x 36 acres = 687.96 inches/12 inches = 57.33 AF/year (which, given 160 AF/year authorized would suggest an efficiency of 36%, with 57.33 AF being consumed, and 102.67 AF being return flows, etc.)</p> <p><u>Methodology 2=Working From CIR and Total Acreage. Using 5% evaporative loss</u> CIR of 19.11 inches per acre divided by 12 = 1.6 AF/acre annually 1.6 AF per acre x 36 acres = 57.6 AF/year CIR 57.6 AF/year CIR x 5% evaporative loss associated with flood irrigation = 60.48 AF/year (April –October) is consumed.</p>		
<p>NARRATIVE DESCRIPTION OF PROJECT: Swiftwater Ranch seeks to change the point of diversion, place of use, and purpose of use of such <u>portion</u> of the water right as necessary to provide year-around domestic/municipal supply for a Group A system serving approximately 56 residential units. Swiftwater would transfer the balance of such right to the Trust Water Program or otherwise use the water to mitigate impacts to TWSA in the Yakima River.</p> <p>Specifically: Proposed change in point of diversion and place of use is <u>from</u> an unnamed stream in the SW ¼ of the SW ¼ of Section 1, T19N, R15E, serving property in Section 1, T19N, R15E (Subbasin 5) <u>to</u> a Group A well system in Section 25, T20N, R16 E (Subbasin 3).</p> <p>Proposed change in purpose of use is <u>from</u> irrigation and stock water <u>to</u> domestic/municipal use for 56 residential units.</p> <p>Proposed change in seasonality of use <u>from</u> seasonal irrigation and stock water <u>to</u> year-around domestic/municipal supply.</p>		