

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

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| APPLICATION NO./COURT CLAIM NO. CS4-00696CTCL, CWS4-00696CTCL@1, CS4-00696CTCL@2 | | |
| APPLICANT NAME Washington Water Trust | CONTACT NAME Kelly McCaffrey | TELEPHONE NO. 206-675-1585 x 103 |
| WATER RIGHT HOLDER'S NAME (if different) Snow Mountain Ranch | | EMAIL kelly@thewatertrust.org |

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| DATE OF APPLICATION January 11, 2006 | PRIORITY DATE June 30, 1873 and June 30, 1884 |
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| WATER SOURCE: South Fork Cowiche Creek | CROP: Pasture / Hay |
| INSTANTANEOUS QUANTITY: Total of three water rights = 1.66 cfs | ANNUAL QUANTITY: Total of three water rights = 332 acre-ft/yr |
| PERIOD OF USE: April 1 through October 31 | |
| PLACE OF USE: <u>Irrigation:</u> ten acres located within the N½S½ of Section 31, T. 14 N., R. 17 E.W.M., except the east 960 feet of the NE¼SE¼. <u>Instream Flow:</u> The South Fork Cowiche Creek trust water Primary Reach begins at a point approximately located 825 feet east of the west quarter corner of Section 31, and ends at a point approximately located 1490 feet north of the southeast corner of Section 31, T. 14 N., R. 17 E.W.M. The Secondary Reach begins on the South Fork of Cowiche Creek at the end of the primary reach, extending down through the confluence with the Naches River and the Yakima River to end at the confluence of the Yakima and Columbia Rivers. | PURPOSE OF USE: <u>Irrigation:</u> Irrigation of ten acres of hay and pasture. <u>Trust Water Right:</u> Perpetual instream flow in South Fork Cowiche Creek, Naches River and the Yakima River. |
| IRRIGATION METHOD: Wheel lines with impact sprinklers. | |

CONSUMPTIVE USE CALCULATION:
Using crop irrigation water requirement based on WIG data for irrigation of 83 acres of pasture near the Yakima climate station and a total efficiency of 78 percent, the consumptive use for irrigation is calculated at 3.41 acre-feet per acre for a total of 290.99 acre-ft/yr. An additional quantity may be added to the trust water calculations for consumptive stock water use. Using WIG data the instantaneous consumptive use for 73 acres of pasture is as follows:

| | April | May | June | July | August | September | October | Total (acre-feet) |
|---------------------------|-------|------|------|------|--------|-----------|---------|----------------------|
| Number of Days | 8 | 31 | 30 | 31 | 31 | 30 | 27 | |
| 73 acres TRUST (cfs) | 0.32 | 0.66 | 0.83 | 1.05 | 0.84 | 0.55 | 0.21 | 255.93 |
| 10 acres IRRIGATION (cfs) | 0.04 | 0.09 | 0.11 | 0.14 | 0.12 | 0.08 | 0.03 | 35.06 |

Note that the WIG cites the crop irrigation water requirement begins on April 23 and ends on October 27.
(These figures were calculated and submit by Suzanne Blakeney, Trust Water Coordinator, WA Department of Ecology)

NARRATIVE DESCRIPTION OF PROJECT: Three water rights confirmed under Cowiche Creek Adjudicated Court Claim No. 00696 for the irrigation of 83 acres and stock water are the subject of this project. Cowiche Canyon Conservancy (CCC) purchased 73 acres of irrigated land from Snow Mountain Ranch (SMR) to be restored to natural habitat. Ten acres of irrigated land were retained by SMR. CCC intends to transfer the entire water right to the Trust Water Right Program for perpetual instream flow in South Fork Cowiche Creek and the Naches and Yakima Rivers. A construction schedule of approximately five years is expected for habitat restoration during which CCC will use a fraction of the water right to establish native plantings. For the year 2006, the CCC will be leaving all of their water instream, *except* for the month of October. The historic diversion dam has been removed and a new downstream point of diversion (a pump with fish screens) has been installed for use by SMR (ie. the 10 acres remaining in irrigation). Note that SMR exercises a portion of Ground Water Certificate No. 365-A as a supplemental supply for irrigation purposes.