

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO. 01467		
APPLICANT NAME Dr. William Mundy	CONTACT NAME Kelly McCaffrey	TELEPHONE NO. 509-844-4146
WATER RIGHT HOLDER'S NAME (if different) Wilbur H. Mundy & Mary Ann Mundy		

DATE OF APPLICATION To be submit: April 23, 2005	PRIORITY DATE June 30, 1883
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WATER SOURCE: Teanaway River	CROP: Timothy hay
INSTANTANEOUS QUANTITY: 5/1 – 9/15: 0.9 cfs 9/16 – 4/30: 1.0 cfs Spring freshet: When surplus water is available in excess of that needed to satisfy all existing rights, up to 0.9 cfs more (1.80 cfs) can be diverted only for a 30 day period in May and June. The surplus water is not in addition to the surplus water that the Mastersons can divert under their right. The maximum that can be diverted into the Masterson Ditch for the Masterson/Mundy property is 7.50 cfs.	ANNUAL QUANTITY: 5/1 – 9/15: 292.5 af 9/16 – 4/30: 5 af consumptive
PERIOD OF USE: May 1 – September 15 September 15 – April 30	
PLACE OF USE: 45 acres That portion of the SE 1/4 SE 1/4 of Section 28 and the NE 1/4 NE 1/4 of Section 33, T. 20 N., R. 16 E.W.M. southwesterly of the Masterson Ditch	PURPOSE OF USE: Irrigation and Stock
IRRIGATION METHOD: Pre - CS4-01467CTCL (4/9/04) → flood irrigation Post - CS4-01467CTCL (4/9/04) → 40hp pump, 8in pipe, ¾ mile, center pivot/sprinkler system, w/ set risers for corners	

<p>CONSUMPTIVE USE CALCULATION:</p> <p>Consumptive use is not calculated at this time. Rather, non-consumptive use (conveyance water) is being transferred into instream flow, and is based on estimations made from CS4-01467CTCL signed by Department of Ecology 4/9/04. <u>CS4-01467CTCL confirmed the following:</u></p> <ul style="list-style-type: none"> • New (second, alternative) POD located approximately 2.5 miles downstream of old (first, original) POD. • Pivots efficiency 80-85%. Sprinklers efficiency 65%. CS4-01467CTCL accounts for both, uses @ 70%. • WIG equivalent of clover (1.6af/acre/yr). • 70% efficiency = 2.3af/acre = 103.5 af/yr on 45ac when using new (second) POD <p>Further, a report detailing the hydrology of the return flows and soils was accepted as evidence (in CS4-01467CTCL) that return flows from this irrigated property return to the</p>

Yakima River mainstem, rather than the Teanaway.

NARRATIVE DESCRIPTION OF PROJECT:

Mundy was confirmed an 1883 priority date water right under court claim number 01467 in Subbasin No. 3 (Teanaway). WWT is proposing a temporary transfer of a portion of this water right. The water will be placed into the State Trust Water Rights program. WWT-Mundy transfer application proposes to change a portion of the water right's purpose of use from irrigation to instream flow from May 1 to September 15, 2005, in years 2007 through 2011. The place of use will be changed to the Teanaway River for improvement of instream flows.

Year 2007, May 1 – Sept 15:

Trust (instream): 0.53 cfs continuously; plus an additional 0.31 cfs on all days but Sundays and Tuesday when diversion is occurring for irrigation (**272.5** af total for instream flows). Protection instream begins at the old (first) POD, as described in CS4-01467CTCL.

Irrigation: Only 0.37 cfs will be withdrawn for irrigation (total of **20** af), diverted on Sundays and Tuesdays only, not to exceed 23 days of diversion per season. Withdrawal will occur from the new (second) POD. The old (first) POD (Masterson Ditch) will not be used by Mr. Mundy during this season.

Year 2008, 2009, 2010, 2011:

Trust (instream): 0.53 cfs continuously (**172.5** af total for instream flows). Protection instream begins at the old (first) POD, as described in CS4-01467CTCL.

Irrigation: Only 0.37 cfs will be withdrawn for irrigation (total of **120** af). Withdrawal will occur from the new (second) POD. The old (first) POD (Masterson Ditch) will not be used by Mr. Mundy during these seasons.