

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO. No. 01863		
APPLICANT NAME Washington Water Trust	CONTACT NAME Kelly McCaffrey	TELEPHONE NO. (206) 675-1585
WATER RIGHT HOLDER'S NAME (if different) Water Right No.1: (G-2.3 FLP: Cromarty), and (Andrew Cromarty and Mary Margaret Cromarty) Water Right No.2: (G-1 FLP: Cromarty)		

DATE OF APPLICATION Application to Ecology: Submit May 21, 2008	PRIORITY DATE Water Right No.1: June 30, 1902 Water Right No.2: June 30, 1902
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WATER SOURCE: Teanaway River	CROP: Mixed hay
INSTANTANEOUS QUANTITY: WR 1: 0.72 cfs, based on owner's parcel acreage in place of use and adjudicated water duty WR 2: 1 cfs as confirmed in CFO 2001	ANNUAL QUANTITY: WR 1: 144.68 af, based on owner's parcel acreage in place of use and adjudicated water duty WR 2: 200 af, as confirmed in CFO 2001
PERIOD OF USE: May 1 – September 15 According to the Teanaway water master, during low-water, drought years, water <i>may</i> be curtailed mid-July through mid-September	
PLACE OF USE: <u>WR 1:</u> That portion of the W1/2SE1/4 lying W of the primary irrig ditch and that portion of the E1/2E1/2SW1/4 lying E of the primary irrig ditch in Sect 31, T21 R16 <u>WR 2:</u> That portion of the SW1/4NE1/4 & W1/2SE1/4 of Sect 31, T21 R16, lying E of the NF Teanaway River	PURPOSE OF USE: Current purpose of use, prior to change, is irrigation
IRRIGATION METHOD: Flood irrigation	

CONSUMPTIVE USE CALCULATION: <u>CU: Considering crop irrigation requirement only:</u> Consumptive use is based on the Washington Irrigation Guide crop irrigation requirement (CIR) estimate for clover in the Cle Elum area. In calculating the CIR, clover was used as a proxy for "mixed hay". The average CIR for clover is 19.10 inches per acre in May -
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September. From *May 1 through September 15*, from 2008 through 2014, G.1.2.3-AC-MC will be following 36.17 acres under Water Right No.1 and 50 acres under Water Right No.2 (for a total of 86.17 acres)

WR No.1 consumptive estimate based on CIR alone is 51.9 acre feet CU

WR No.2 consumptive estimate based on CIR alone is 71.7 acre feet CU

Total consumptive estimate based on CIR alone is 123.6 acre feet CU

CIR for season May 1 – Sept 15: (0 ac-in (May)) + (3.54 ac-in (June)) + (6.84 ac-in (July)) + (5.06 ac-in (Aug)) + ((3.67 ac-in)/31)*15 (Sept)) = 17.21 acre inches
((17.21 ac-in) x (1 ft / 12 in) x (81.67 acres) = **123.6 af/yr**

CU: Including CIR, Evaporative Loss and Efficiency:

Evap (evaporative loss) estimated by Ecology Guidance 1210, Table 1 for flood irrigation averages at 5%. Ea (application efficiency) estimated by Ecology Guidance 1210, Table 1 for flood irrigation averages at 55%.

WR No.1 consumptive estimate is 56.6 acre-feet CU

WR No.2 consumptive estimate is 78.2 acre-feet CU

Total consumptive estimate based on CIR, Evap, and Ea is 134.8 acre-feet CU

WR No.1: (51.9 af-CU/yr) / (55%Ea) = 94.4

(94.4) x (5%evap) = 4.7 af/yr

(51.9af/yr CIR) + (4.7 af/yr evap) = WR No1: 56.6 af/yr CU

WR No.2: (71.7 af/yr) / (55%Ea) = 130.4

(130.4) x (5%evap) = 6.5 af/yr

(71.7af/yr CIR) + (6.5 af/yr evap) = WR No2: 78.2 af/yr CU

NARRATIVE DESCRIPTION OF PROJECT:

G.1.2.3-AC-MC was confirmed a 1902 priority date water right under court claim number 01863 in Subbasin No. 3 (Teaway). This landowner leased WR 1&2 to Roza in 2001, leased WR1&2 to WWT in 2003, leased a portion of WR1 to WWT in 2004, 2005, and voluntarily trusted a portion of WR1 and all of WR2 in 2005. A declaration stating their water management in 2003 – 2007 is included. To summarize, the access bridge to irrigate their property associated with a portion of WR1 and all of WR2, was unsafe for use with farm equipment (only access bridge to POU) given damage to it from the 1998-99 winter flows.

Now, WWT is contracting the full-season use of their water, when available, for instream flow in years 2008 through 2014 (7 years), to commence at such time as water is granted protection instream. The water will remain in the State Trust Water Rights program annually from May 1 – Sept 15. The place of use in these years will be instream in the Teaway River and the Yakima River. Therefore, May 1 to September 15, both of these water rights will not be used for irrigation for 2008 – 2014, to commence at such time as water is granted protection instream.