

**WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION**

APPLICATION NO./COURT CLAIM NO.		
KITT-10-12 / <i>Acquavella</i> Court Claim No. 01968		
APPLICANT NAME	CONTACT NAME	TELEPHONE NO.
Amerivest Development L.L.C.	Jeff Slothower	(509) 925-6916
WATER RIGHT HOLDER'S NAME (if different)		EMAIL
		jslothower@lwhsd.com

DATE OF APPLICATION	PRIORITY DATE
January 18, 2011	June 30, 1874

WATER SOURCE:	CROP:
Manastash Creek	Timothy hay
INSTANTANEOUS QUANTITY:	ANNUAL QUANTITY:
1.36 cfs (April 1 to June 30); 0.68 cfs (July 1 to October 31); 0.028 cfs for stock-water	410.65 acre ft./ year (irrigation); 1.43 acre ft./ year (stock-water)
PERIOD OF USE:	
April 1 through October 31 for irrigation; Continuous for stock-water	
PLACE OF USE:	PURPOSE OF USE:
44.59 acres of property legally described as follows:  Lot 19 of that Certain survey as recorded in Book 29 of Surveys at page 174, under Auditor's File Number 200312040048, records of Kittitas County, State of Washington which is bounded by a line described as follows:  Beginning at the southwest quarter corner of Section 8, Township 17 North, Range 18 East, W.M., Kittitas County, State of Washington; thence north 01°18'18" east along the west boundary of Section 8, 49.53 feet to the north boundary line of Manastash Road; thence continuing north 01°18'18" east along the west boundary of said Section 8, 787.06 feet to the true point of beginning of said line; thence continuing north 01°18'18" east along the west	Irrigation of 42.39 acres and stock-water

<p>boundary line of said Section 8 and the west boundary line of said Lot 19, 1393.68 feet; thence south 89°43'06" east, 160.83 feet to the beginning of a curve to the right having a radius of 273.00 feet; thence along said curve to the right an arc length of 169.27 feet, through a central angle of 35°31'35"; thence south 54°11'32" east, 99.41 feet to the beginning of a curve to the left having a radius of 273.00 feet, thence along said curve to the left an arc length of 169.27 feet, through a central angle of 35°31'35"; thence south 89°43'06" east, 137.49 feet; thence south 01°15'49" west, 429.28 feet; thence north 85°38'50" east, 606.25 feet; thence south 88°35'21" east, 721.98 feet; thence south 03°07'36" west, 567.98 feet; thence south 47°20'38" east, 148.25 feet; thence south 82°05'04" west, 1176.09 feet; thence south 90°00'00" west, 957.41 feet to the true point of beginning and terminus of said line.</p> <p>Situated in Section 8, Township 17 North, Range 18 East, W.M., Kittitas County, State of Washington.</p>	
<p>IRRIGATION METHOD: Flood irrigation and sprinklers</p>	

<p>CONSUMPTIVE USE CALCULATION: A CIR for pasture grass/turf of 31.46 inches (2.76 afy/acre) was calculated using the Washington Irrigation Guide for pasture grass/turf crop located in the vicinity of Ellensburg, Washington (WIG Appendix B-49a). The property is irrigated predominately using flood irrigation with some sprinklers, for which Guidance 1210 recommends a %EVAP of 5 percent. Applying these values, consumptive use associated with irrigation use under this right is estimate as:</p> $CU = (9.67 \text{ afy/acre} \times 0.05 + 276 \text{ afy/acre}) \times 42.39 \text{ acres} = 137.49 \text{ acre-feet per year}$ <p>This equates to a consumptive use per acre of about 3.2 afy/acre.</p> <p>However, there have been several other transfers of water as part of the Manastash Project. In those transfers Ecology determined water use and estimated consumptive use amounts. Those prior decisions resulted in a consumptive use calculation being arrived at consistent with Ecology Publication POL-1020. The Conservancy Board concluded that the consumptive use is 2.9 acre-feet per acre or 122.931 acre-feet per year.</p>
---

<p>NARRATIVE DESCRIPTION OF PROJECT:</p>
--

This application (KITT-10-12) is part of a project that involves the change in place of use and purpose of use of three water rights that were confirmed in *Ecology v. Acquavella* in Subbasin No. 11 (Manastash Creek).

The project will seek to split the Amerivest Water Right into two instream flow rights. The right legally described below as Instream Flow Right A will be designated for instream flow purposes in perpetuity and conveyed to Ecology. The right described below as Instream Flow Right B will have the purpose of use designated as instream flow for mitigation of future residential water use and will be managed pursuant to a trust agreement with Ecology, which will authorize the portion of the water described below as Instream Flow Right B to be used for mitigation of future residential water use. The Stock water right is being transferred to a different place of use but will continue to be diverted at the existing point of diversion.

The property is also within the KRD service area. KRD water has historically been delivered to fulfill crop requirements when water was unavailable from Manastash Creek. If this change is approved, the KRD water will be used to irrigate a portion of the property within the approved place of use. However, 29.53 acres of the place of use will be fallowed and not be irrigated with either KRD water or Manastash Creek water. This fallowing of 29.53 acres is necessary to avoid an increase in consumptive use and a negative effect on TWSA when Instream Flow Right B is used for future residential use and when the Williams (KITT-10-11) Instream Flow Right B is used for future residential use. The acreage necessary to be fallowed as a result of Instream Flow Right B approved in this Report of Examination is 24.655 ( $29.53 - 4.875$  acres required to be fallowed in KITT-10-11 = 24.655).

The portions of the Amerivest water right described below as Instream Flow Right B, which will be used for future residential uses as noted above, will be subject to a trust water right agreement that will control the specifics of how, when, where and in what quantities those portions of the water rights can be used for mitigation of future residential water uses. Until the water is used for mitigation of future residential uses it will remain in trust and be used for instream flow purposes as a portion of the Manastash Creek instream flow.

### **Summary of Instream Flow Rights A and B**

MAXIMUM CUB FT/ SECOND  <u>Instream Flow Right A:</u> 1.123 cfs from April 1 through June 30; .56 cfs from July 1 through October 31  <u>Instream Flow Right B:</u> .234 cfs from April 1 through June 30; .118 cfs from July 1 through October 31  <u>Stock-water:</u> .028 cfs (continuous)	MAXIMUM GAL/MINUTE	MAXIMUM ACRE-FT/YR  <u>Instream Flow Right A:</u> 52.9975 acre- feet of consumptive use and 232.95 acre- feet of nonconsumptive use  <u>Instream Flow Right B:</u> 71.7025 acre- feet/year of consumptive use for irrigation  <u>Stock-water:</u> 1.43 acre- feet/year		TYPE OF USE, PERIOD OF USE  Instream Flow   Instream Flow and mitigation of future residential water use as allowed pursuant to a trust water right agreement to be developed between the applicant and Ecology   Stock-water			
SOURCE Manastash Creek			TRIBUTARY OF (IF SURFACE WATER) Yakima River				
AT A POINT LOCATED: PARCEL NO.	$\frac{1}{4}$ NW	$\frac{1}{4}$ NE	SECTION 14	TOWNSHIP N. 17	RANGE 17	WRIA	COUNTY. Kittitas
LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED AS APPROVED BY THE BOARD							

Instream Flow Rights A and B:

Primary Reach: Within the ordinary high water mark of Manastash Creek commencing at the Keach Jensen ditch diversion, which is located 550 feet south and 650 feet east from the Northwest corner of Section 14 within the NW 1/4 NE 1/4 of Section 14, Township 17 N, Range 17 E.W.M. and ending at the confluence of Manastash Creek and the Yakima River.

Secondary Reach: Commencing at the confluence of the Manastash Creek and the Yakima River and terminating at the confluence of the Columbia River and the Yakima River.

Stock-water:

Within that portion of the NE $\frac{1}{4}$ NE $\frac{1}{4}$  of Section 14 lying north and west of the Manastash Road and east of the Kittitas Reclamation District Canal; that portion of the SE $\frac{1}{4}$ SE $\frac{1}{4}$  of Section 11 lying S. of Manastash Creek; the S. 300 feet of the SW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$  of Section 12; and the N $\frac{1}{2}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  of Section 13, ALL in T. 17 N, R. 17 E.W.M.

PARCEL NO.	$\frac{1}{4}$	$\frac{1}{4}$	SECTION	TOWNSHIP N.	RANGE,