

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

<u>APPLICATION NO./COURT CLAIM NO.</u> Water Budget Neutral (WBN) Permit Application No. G4-35705 with mitigation from Trust Water Right No. CS4- 00623CTCL@2sb7 (Suncadia Water Bank)		
<u>APPLICANT NAME</u> Easton Farms, LLC	<u>CONTACT NAME</u> Jessica Kuchan	<u>TELEPHONE NO.</u> 206-838-7650
<u>WATER RIGHT HOLDER'S NAME</u> (if different) Suncadia		<u>EMAIL</u> kuchan@mentorlaw.com

<u>DATE OF APPLICATION</u> June 24, 2014	<u>PRIORITY DATE</u>
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<u>WATER SOURCE:</u> Well (Ecology Well ID (AGL-807) 1 existing well and 2 proposed, wells to be determined.	<u>CROP:</u> Grapes (.37 acre), Cherries (.2 acre), Raspberries (.1 acre), and Lavender (2.25 acres) for a total of 2.92 acres.
<u>"PROPOSED" INSTANTANEOUS QUANTITY:</u> Proposed: 60 gpm (irrigation) + 10 gpm (domestic)	<u>"PROPOSED" ANNUAL QUANTITY:</u> 8.694 acre-feet/year (afy)
<u>"APPROVED" INSTANTANEOUS AND ANNUAL QUANTITY:</u> 26.28 gpm combined use; 7.450 af/yr	
<u>PERIOD OF USE:</u> Continuous for single domestic and seasonal irrigation for up to 2.92 acres	
<u>PLACE OF USE:</u> Parcel Nos. 18474 and 492836 (must be sold together), 17758 and 472836 (one lot boundary as an improvement lot and must be sold together), & 710836 located within Sections 3 and 4, T. 20 N., R. 13 E.W.M.	<u>PURPOSE OF USE:</u> Single Domestic Irrigation
<u>IRRIGATION METHOD:</u> Trickle Drip	

<u>CONSUMPTIVE USE CALCULATION:</u> Indoor use: 1 residential connection 350 gallons per day (gpd) used continuously year round equates to 0.392 afy of total water use. Consistent with WAC 173-539A-050(3), 30% of domestic in-house use on a septic system is consumptively used, therefore: Indoor consumptive use = 0.118 afy Outdoor use: The requestor proposes to irrigate up to 2.92 acres of grapes, cherries, raspberries, and lavender. Using irrigation requirements for lavender provided by the applicant and for other crops from the WIG, the outdoor irrigation water use equates to 7.058 af/yr of total water use. Consistent with WAC 173-539A-050(3), 90% of outdoor use is consumptively used, so: Outdoor consumptive use = 4.792 afy CU for the project totals to 4.912 afy

NARRATIVE DESCRIPTION OF PROJECT:

The project is located within ½ to one mile west of Lake Easton (Figure 1), and is within a yellow suitability area. Groundwater will be withdrawn from the Naches Formation bedrock aquifer. A hydrogeologic evaluation concluded that water is available for this request, and groundwater withdrawals will capture water that would otherwise discharge to the Yakima River and/or Lake Easton.

The requestor proposes to offset the consumptive use for the project, (1 residential connection and up to 2.92 acres of grapes, cherries, raspberries, and lavender) with mitigation water acquired from Trust Water Right No. CS4-00623CTCL@2sb7. During the irrigation season, Ecology will assign 0.973 acre-ft to the USBR-Ecology Exchange Contract (Contract No. 09XX101700) to address out-of-season impacts along the Yakima River. In addition to the consumptive use, 0.324 afy of the Trust Water Right will be assigned to be managed within the Trust Water Right Program for instream flow purposes to benefit the Yakima River.

Location Map for G4-35705

Figure 1: Location of the POU for Application No. G4-35705

