

**WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION**

APPLICATION NO. CS4-83516-J@1 & CS4-83504-J@1 (KITT-24-01 & 24-02)		
APPLICANT NAME Nunnally Holdings LLC	CONTACT NAME Same	TELEPHONE NO.
WATER RIGHT HOLDER'S NAME (if different) Same		EMAIL

DATE OF APPLICATION 9/17/2024	PRIORITY DATE June 30, 1872
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WATER SOURCE: Manastash Creek	CROP: Timothy Hay (historically)
INSTANTANEOUS QUANTITY: S4-83516-J: April 1-June 30 1.296 CFS, July 1-October 31 0.73 CFS S4-83504-J: April 1-June 30 0.135 CFS, July 1-October 31 0.076 CFS	ANNUAL QUANTITY: S4-83516-J: 481.2 ac-ft S4-83504-J: 50.2 ac-ft
PERIOD OF USE: April 1 – October 31	
PLACE OF USE: Instream flow from the historic point of diversion located 500 feet south and 150 feet east from the north quarter corner of Section 14, being within the NE¼SE¼ of Section 14, T. 17 N., R. 17 E.W.M., and ending at the Manastash Creek-Yakima River Confluence.	PURPOSE OF USE: Instream flow on Manastash Creek Only
IRRIGATION METHOD: Mostly lateral move and wheelline sprinklers with a small portion still using rill irrigation.	

**CONSUMPTIVE USE CALCULATION:**

The conservancy board used the Washington Irrigation Guide and chose clover near Ellensburg for the crop irrigation requirement. The adjudication granted the certificates a water duty of over 7 acre-feet per acres but there were irrigation efficiency upgrades done on farm that allowed for a more efficient application of water, going from 39% to 55% efficiency. Below is a table from the boards ROD-ROE.

Table 4. Water Use Calculations

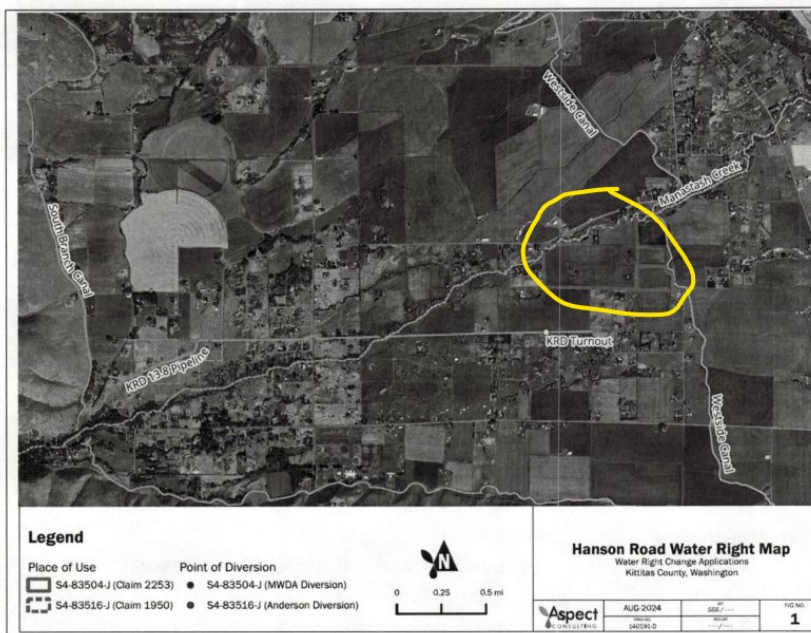
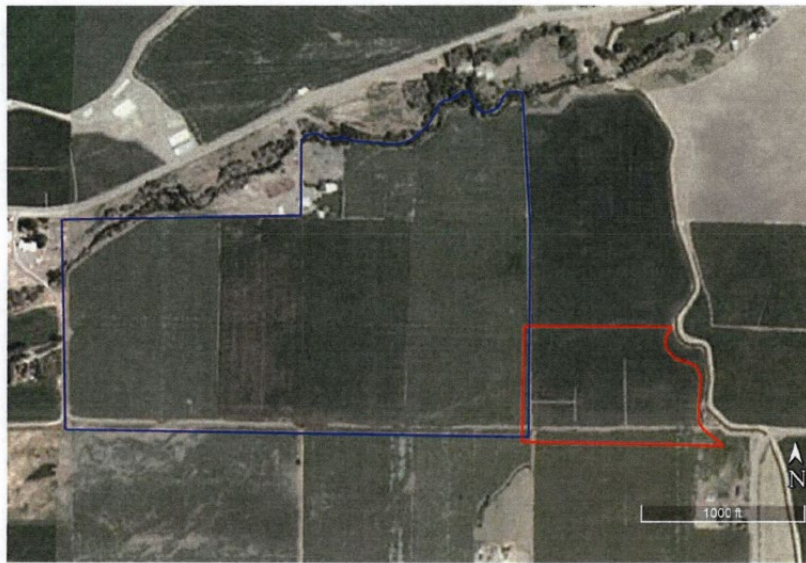
	Qa (ac-ft/yr)	Irrigated acres	Qi (cfs)	Qa Water Duty (feet /acre)	Qi Water Duty (cfs/acre)	CIR (ft/ac)	Ea (%)
Adjudicated Quantities	791	111	2.586 (4/1-6/30) 1.294 (7/1-10/31)	7.13	0.233 0.0117	2.76	39
2019 Quantities (after Cost Share Agreements)	577.5	111	1.496 (4/1-6/30) 0.839 (7/1-10/31)	5.02	0.0135 0.0076	2.76	55

$$\text{Water Duty} = Qa / \text{irrigated area} \quad || \quad Ea = CIR / \text{Water Duty}$$

**NARRATIVE DESCRIPTION OF PROJECT:**

This project proposes to change the purpose of use of two water rights that divert from Manastash Creek to instream flow purposes only. These two changes have been used on the same property for many years and have overlapping KRD shares. During the extent and validity, it was found that 5 acres had not been used under these two certificates and that portion is not available to be changed.

Because these rights have overlapping KRD shares and the property will continue to be irrigated with those shares, the instream flow benefit is only from the existing point of diversion to the confluence of Manastash Creek and the Yakima River. Additionally, these rights will only be used for instream flow benefit and permanently placed in the State's Trust Water Right program and will be deeded to Ecology.



Original Place of Use circled in Yellow