

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO. Water Right Application No. G4-33248 with mitigation from Trust Water Right No. S4-83689-J(B)		ECOLOGY CONTACT Ben Carr benjamin.carr@ecy.wa.gov
APPLICANT NAME Shaw Vineyards, Inc.	CONTACT Steven Johnson	CONTACT'S TELEPHONE NO 509-786-8968
WATER RIGHT HOLDER'S NAME (if different) LeeLynn Wiley (Boise Cascade Mill)		CONTACT'S EMAIL sjohn34211@hotmail.com

DATE OF APPLICATION February 3, 2020 (amended to July 19, 2022)	PRIORITY DATE June 5, 1890
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WATER SOURCE: Well	CROP: Irrigation of a 40-acre vineyard
INSTANTANEOUS QUANTITY: 188 gpm	ANNUAL QUANTITY: 75 acre-ft/yr (consumptive)
PERIOD OF USE: March 1 through November 1	
PLACE OF USE: Parcel No. 117971000004000, located within the NW¼NE¼ of Section 17, T. 9 N., R. 27 E.W.M.	PURPOSE OF USE: Irrigation of 40 acres of vineyard
IRRIGATION METHOD: Surface drip	

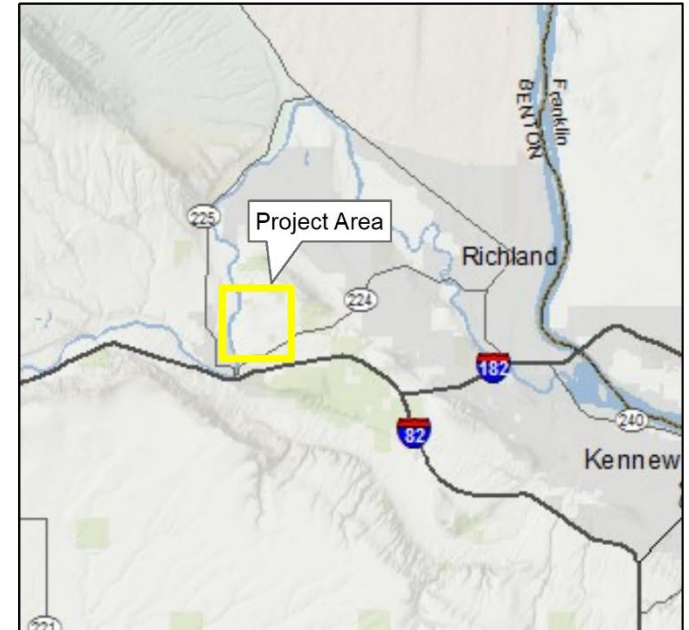
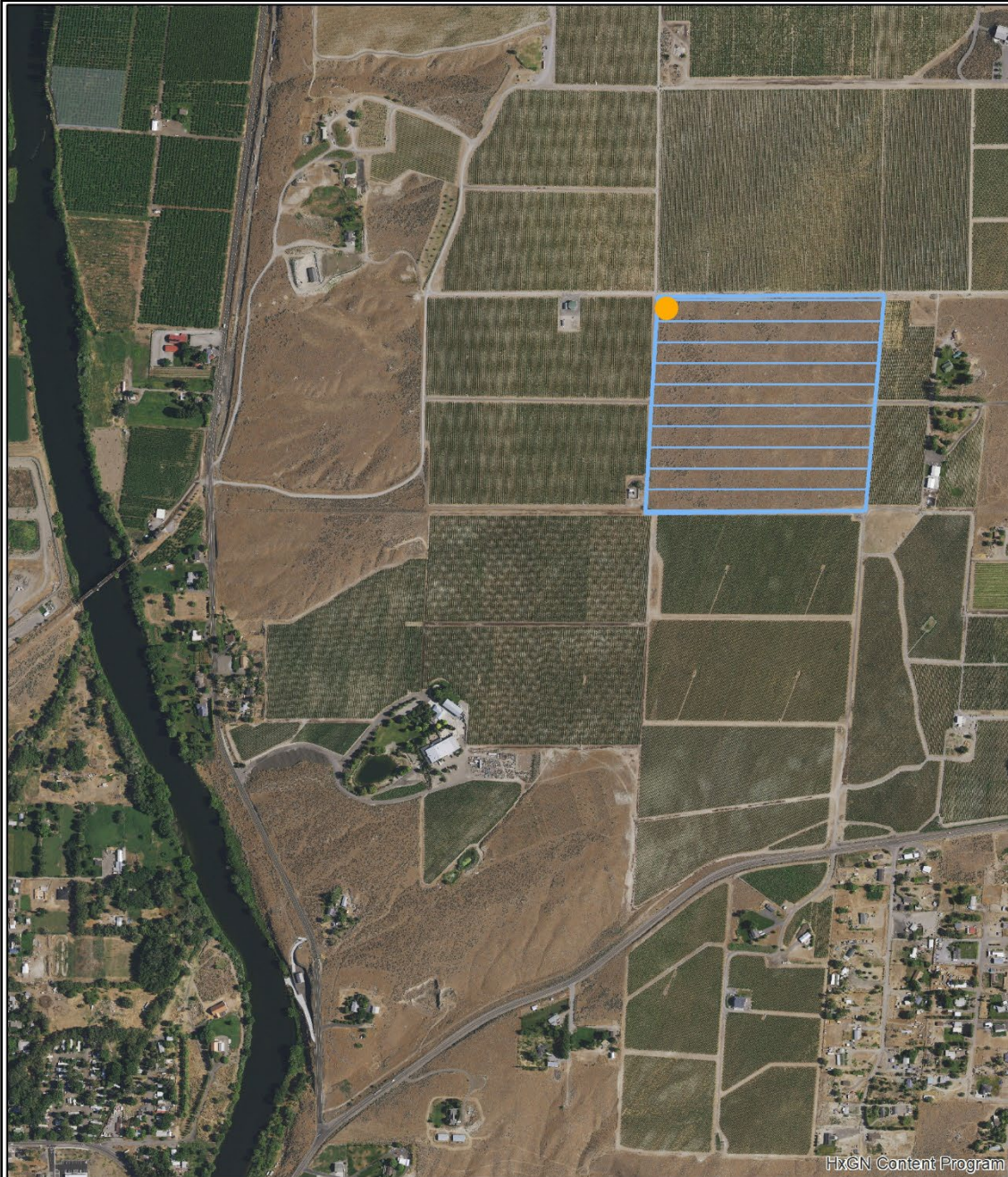
CONSUMPTIVE USE CALCULATION: Shaw Vineyards proposes to irrigate 40 acres of vineyard with drip irrigation. The crop irrigation requirement is estimated to be 16.2 in/yr (or 1.35 ft/yr) for Wine Grape near Benton City based on the AgWeatherNet models and the applicant's estimate. Using Ecology's guidance the application efficiency of drip is 90% and the consumptive use is 95%. Therefore, the total irrigation water use is 60 ac-ft/yr, with consumptive use is estimated at 57 ac-ft/yr.
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NARRATIVE DESCRIPTION OF PROJECT: The applicant proposes to offset the 57 ac-ft/yr of consumptive use for the irrigation of 40 acres of vineyard with 75 ac-ft/yr of mitigation water acquired from Trust Water Right No. S4-83689-J(B) address impacts to the Yakima River below Kiona. The

proposed place of use is located in the Red Mountain American Viticultural Area (AVA).

The original application was amended to change the location of the proposed point of withdrawal to the vineyard property. The proposed well is to be located in Benton County Parcel No. 117971000004000, about 0.7 miles from the Yakima River. The well would tap the lower Saddle Mountains aquifer. Review of the local area hydrogeology suggests that water is available in the lower Saddle Mountains aquifer and that impairment is unlikely to neighboring water users. Copies of the Hydrogeology Memo for the subject mitigated water right application are available on request from Ecology. For a copy, please contact Ben Carr at (509) 490-1936, benjamin.carr@ecy.wa.gov.

**Washington Department of Ecology
Central Regional Office
Shaw Vineyards Mitigated Application
G4-33248**



0 3.25 6.5 13 19.5 26 Miles

Basemap: Ecology Terrain Map



● G4-33248 Proposed Well

▭ G4-33248 Place of Use

Comments:

G4-33248 is proposed to be mitigated by S4-83689-J(B).



Basemap: NAIP 2021 6 in. Aerial

Map Date: 1/27/2023

0 0.1 0.2 0.4 Miles

HxGN Content Program