

WATER TRANSFER WORKING GROUP PROJECT DESCRIPTION

APPLICATION NO./COURT CLAIM NO. CG4-33046 (YAKI-23-01)		
APPLICANT NAME Borton & Sons, Inc.	CONTACT Malcolm Hanks	CONTACT'S TELEPHONE NO 509-966-3905
WATER RIGHT HOLDER'S NAME (if different)		CONTACT'S EMAIL malcolm@bortonfruit.com

DATE OF APPLICATION October 4, 2023	PRIORITY DATE Mitigated by a 1943 groundwater claim, G4-030317CL.
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Existing Attributes of G4-33046 https://apps.wa.gov/ecology/docs/waterRights/ScanToWRTS/CRO/pdf/5042503_2_156800.pdf	
WATER SOURCE: 2 wells in Ellensburg Formation	CROP: Lawn
INSTANTANEOUS QUANTITY: 200 gpm	ANNUAL QUANTITY: 61.1 acre-ft/yr
PERIOD OF USE: Continuous for domestic and industrial April 1 – September 15 for lawn	
PLACE OF USE: Multiple Yakima County parcels located within Sections 3 and 4, T. 12 N., R. 17 E.W.M. (Borton Fruit Shipping Office is off Occidental Rd. and Borton Rd.)	PURPOSE OF USE: Domestic, industrial and irrigation of 1 acre of lawn
IRRIGATION METHOD: Pop-up sprinklers	

CONSUMPTIVE USE CALCULATION: The consumptive water use is divided into the three purposes of use: <ol style="list-style-type: none"> 1. Irrigation of 1 acre, April 1 to September 15. 2. Continuous domestic. 3. Continuous industrial. 	
Consumptive Use for 1 Acre of Lawn	
Water duty for lawn – WIG	3.106 ft or 37.28 inches
Efficiency for pop-up sprinklers*	75% with 85% consumptive
Total water applied for 1 acre	4.14 ac-ft/yr
Consumptive use (CU)	3.52 ac-ft/yr CU
*See Ecology's Guidance on <i>Determining Irrigation Efficiency and Consumptive Use</i> (formerly GUID-1210).	

Domestic use was assumed to be 30% consumptive based on in-house use on a septic system consistent with the Upper Kittitas Groundwater Rule, WAC 173-539A-050(3).

Industrial use, calculated using metering data and subtracting the estimated irrigation and domestic portions, was considered fully consumptive since the water was evaporated in ponds and land applied until 2020, and now is fully evaporated in ponds.

Total and (Consumptive) Use				
Year	Irrigation	Domestic	Industrial	Total
2018	4.14 (3.52)	11.00 (3.30)	45.96 (45.96)	61.1 (52.78)
2019	4.14 (3.52)	11.00 (3.30)	45.95 (45.96)	61.1 (52.78)
2020	4.14 (3.52)	3.7 (1.11)	53.26 (53.26)	61.1 (57.89)
2021	4.14 (3.52)	3.7 (1.11)	41.26 (41.26)	49.1 (45.89)
2022	4.14 (3.52)	3.7 (1.11)	32.25 (32.25)	40.1 (36.89)

**2023 is excluded since a trust donation was filed in October 2023.

For the annual consumptive quantity (ACQ) test, two highest years are 2019 and 2020 with an average consumptive use of 55.34 ac-ft/yr (91% of total use).

Proposed consumptive use will remain the same for the irrigation of 1 acre of lawn and an assumption of 2022 water use going forward at the facility for domestic and industrial. Borton estimates 7.08 ac-ft/yr will be required for the two new 96-person H2A facilities with the same 30% consumptive rate as mentioned above.

Proposed Consumptive Use	
Ongoing at existing fruit packing facility	36.89 ac-ft/yr CU
H2A Housing	2.12 ac-ft/yr CU
Total CU Required	39.01 ac-ft/yr CU

There will be excess consumptive quantities of around 16 ac-ft/yr.

NARRATIVE DESCRIPTION OF PROJECT:

Borton & Sons, Inc. proposes to change mitigated groundwater certificate G4-33046 to:

1. Add land to the place of use for new H2A facilities.
2. Add four wells for the new facilities.
3. Add municipal as a purpose of use.

Two of the proposed wells, Jones Tieton 1 and 2, are three miles away from the authorized wells. The applicant's consultant looked at the same body of public groundwater for all four proposed wells and found that they are in the Ellensberg Formation. Ecology agrees with this analysis.

Adding a purpose of while retaining the original requires an annual consumptive quantity (ACQ) test under RCW 90.03.380(1). As shown above, the ACQ will not be exceeded with the proposed changes.

Application:

https://apps.wr.ecology.wa.gov/docs/waterRights/ScanToWRTS/CRO/pdf/6805519_8_96100.pdf

YCWCB ROD-ROE:

https://apps.wr.ecology.wa.gov/docs/WaterRights/ScanToWRTS/CRO/pdf/6805519_1_01_0514202411611.pdf

YCWCB ROE Supporting Documents:

https://apps.wr.ecology.wa.gov/docs/WaterRights/ScanToWRTS/CRO/pdf/6805519_1_02_0514202410559.pdf