Appendix D

Recycled Water Communication Log

Contact Name	Contact Title	Affiliation	Property Address (if applicable)	Contact Email	Communication/Research Notes	Website
Charlie (last name not captured)	Vineyard Manager for past 12 years	Chenoweth Vineyards	5550 Harrison Grade Rd, Sebastopol, CA 95472 (winery location)	*not determined*	12.5 acres of vineyards irrigated with RW; drip irrigation system. Groundwater well on-site is used for irrigation. Recycled water is not used for irrigation, only for frost protection. Frost season is after initial bloom so March and maybe April. Not interested in more recycled water. The groundwater is sufficient for their needs. For supplemental irrigation water in the peak of the summer, they do use recycled water from FWD fill station (up to 3 trips per week).	https://www.chenowethwines.com/
not determined	*not determined*	Earl Stephens Vineyard	*not determined*	info@tenacrewinery.com	*Left voicemail with receptionist, but no callback was received.* Available information shows 10 irrigated acres; not currently using recycled water.	https://www.tenacrewinery.com/Vineyards/Earl-Stephens-Vineyard
Lawrence Sterling	*not determined*	Iron Horse/ Sterling Vineyards	9786 Ross Station Road, Sebastopol, CA, 95472	info@ironhorsevineyards.com	160 acres of irrigated vineyard but 180 acres is irrigated total (orchard, gardens, vegetable gardens for other 20 acres); 15 million gallon storage pond onsite. Receive minimum of 20 acre-feet per year and maximum 60 acre-feet per year . They do not have metered flow. Current FWD recycled water customer. Quantity of recycled water usage is function of weather, so demand is very unpredictable. Needs to be dry for 48 hours prior to irrigating with recycled water. They make room in the reservoir when FWD requests it and FWD provides recycled water when vineyard requests it. Main source of water is FWD recycled water. 49+ acre-feet storage capacity - no room for expansion. Actual capacity due to sediment is probably about 45 acre-feet. Currently working with DFW/NOAA on a fish screen/passage project/creek restoration project on their property. Fish screen allows vineyard to extract water from creek if needed but recycled water is first choice for irrigation. Potable water is from onsite groundwater wells. Pay an annual water bill. In some years the reservoir has gone dry, but recently they've kept the reservoir full as less frost protection has been needed - perhaps due to climate change. Cannot see property using much more recycled water, but maybe a little more. Have not had to use creek water for 10+ years because of sufficient recycled water. Creek is only backup supply. Do not practice dry farming; it doesn't make better grapes so only if water were not available. There's no formula for knowing how much/how little to irrigate. Recycled water is used for all irrigation as a priority. Biggest use of recycled water is for frost protection.	https://www.ironhorsevineyards.com/
not determined	Recycled Water Site Supervisor (per Title 22 Report)	Jess Jackson Vineyards	*not determined*	*not determined*	*Left voicemail with Tate, but no callback was received.* Available information shows 90 acres of vineyards irrigated with recycled water; drip irrigation system. From 2022 Graton CSD Operations Report "Jackson Vineyards will be starting frost protection and irrigation and in need of recycled water to fill their storage pond. Pressure tested the line and notified Bryan of a pvc repair needed next to their storage pond. May 5th after the pvc repair was made GCSD began filling Jackson's storage pond."	https://www.jacksonfamilywines.com/
Peta Sweeney	General Manager	Sonoma-Cutrer Vineyards		psweeney@duckhorn.com	Left voicemail for Peta with receptionist, but no callback was received. 450 acre parcel with vineyard covering 270.96 acres. "in the heart of the Russian River Valley"; Chad said a FWD director (Ryan Stapleton)expressed interest in getting recycled water to vineyard.	*not determined*
Connor Murphy	Director	Shone Farm (Santa Rosa Junior College)	7450 Steve Olson Lane Forestville, CA 95436	cmurphy2@santarosa.edu	Shone Farm relies heavily on recycled water from Town of Windsor. Windsor limits their recycled water to 9 inches (per acre) between March and October. That is more than enough for irrigation and post-harvest purposes, but precludes use for frost protection. They currently use roughly half of the 9 inch allocation, which equates to a crop coefficient of 0.16. They also have no cover crop (just the vines). Noted that climate change is impacting all agricultural production, so can assume an increase in irrigation requirements over the period of interest. Noted the wine industry is under incredible economic pressure across the state and locally. Noted many vineyards that are not pruned, planted, or otherwise productive in the County this season.	https://shonefarm.santarosa.edu/

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Anthony Boyle, Andrew Wojtowicz	*not determined*	BoDean Forestville Quarry/Blue Rock Quarry	7888 CA-116, Forestville, CA 95436	anthony.boyle@bodeanco.com, andrew.wojtowicz@na.crh.com	BoDean is interested in hearing about the potential opportunity for recycled water but cannot make committments at this time. They use stormwater runoff captured in their ponds as much as possible but use groundwater well water to supplement. Stormwater is not measured but estimated for reporting to Sonoma County. Busy season is May through October, depending on weather. Using water for washing rocks (but this water is reused at the wash facility, so total volume is not high), dust suppression, and dust abatement for quarry roads. Dust control is biggest use of water. No landscape to be irrigated on-site. Well water is used for potable water needs. Their wells do not always keep up with operational water demands in the peak season so having a supplemental water supply such as recycled water would be beneficial. Estimated 4 million gallons per year of stormwater capture and reused currently. Well water use the last couple years was 36,000 to 162,000 gallons per year. Usually run out of stored stormwater around September but replenished by January of the next year. Estimated could use 75,000 gallons per year of recycled water instead of well water.	http://www.bodeancompany.com/
Jonathon Trappe; Wendell Trappe	Operations Manager (Jonathon); owner (Wendell)	Canyon Rock Quarry	7525 CA-116, Forestville, CA 95436	jwtrappe@canyonrockinc.com	Later provided data showing average potable water use of 33 acre-feet per year (10.6 million gallons per year (MG/yr)). The majority (about 80%) of potable water they receive from FWD goes into ready mix. Quarry does not use pond water for ready mix as the water quality of pond water (iron levels) are not suitable for concrete. Quarry could use recycled water for concrete if water quality were suitable. Estimated 80% of their potable water use could be replaced with recycled water (8.5 MG/yr). Spring through fall (construction season) is biggest usage time but also operate year-round. Use a lot of pond water for aggregate wash water, and this could be replaced with recycled water if it were free. They do not meter pond water, but they estimated approximately 18 MG/yr of pond water (assuming operations for 1,500 hr/yr at 200 gal/minute). Considered it a conservative estimate. Quarry could also provide storage for recycled water if needed. The buffer/landscaping/redwood trees around the quarry is irrigated with pond water, so they could also switch to recycled water for irrigation, if needed. **Conclusion:** Total estimated recycled water usage potential for quarry operations is 26.5 MG/yr (or more if counting buffer landscape irrigation). Total potable water usage that would be offset is 8.5 MG/yr.	https://www.canyonrockinc.com/
Matt McDermott	Youth Park Board President (as well as FWD Board President)	Forestville Park Development Inc. "Forestville Youth Park "	7045 Mirabel Road Forestville, CA	mcd.mcdermott@gmail.com	Privately funded, public access park. 8 acre site - about 4-6 acres is irrigated. They could probably double their recycled water use between June and October, not sure how much water they use but they use recycled water April through June for little league. Only use it for playfields (3 baseball fields and a soccer field) for 20 minutes a day. Matt estimated they could increase their use by 30% if they irrigate other fields in the park and increase the length of irrigation time per day and continue regular irrigation pattern through Oct. Youth Park is a FWD customer, so FWD has records of past water and recycled water use. Recycled water costs the Youth Park 40% less than what other recycled water users pay (since Youth Park accepted FWD monitoring wells on its property).	https://forestvilleyouthpark.org/