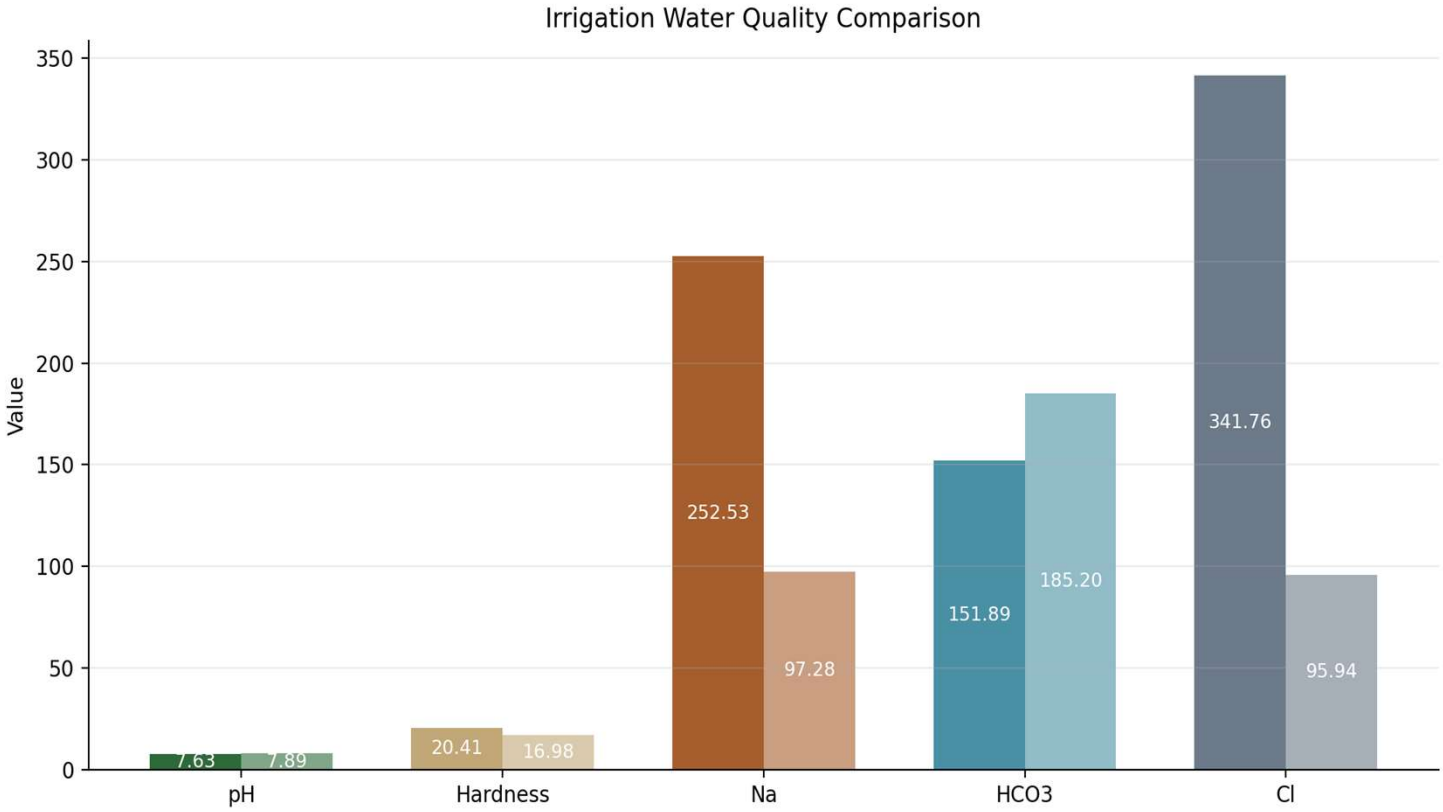
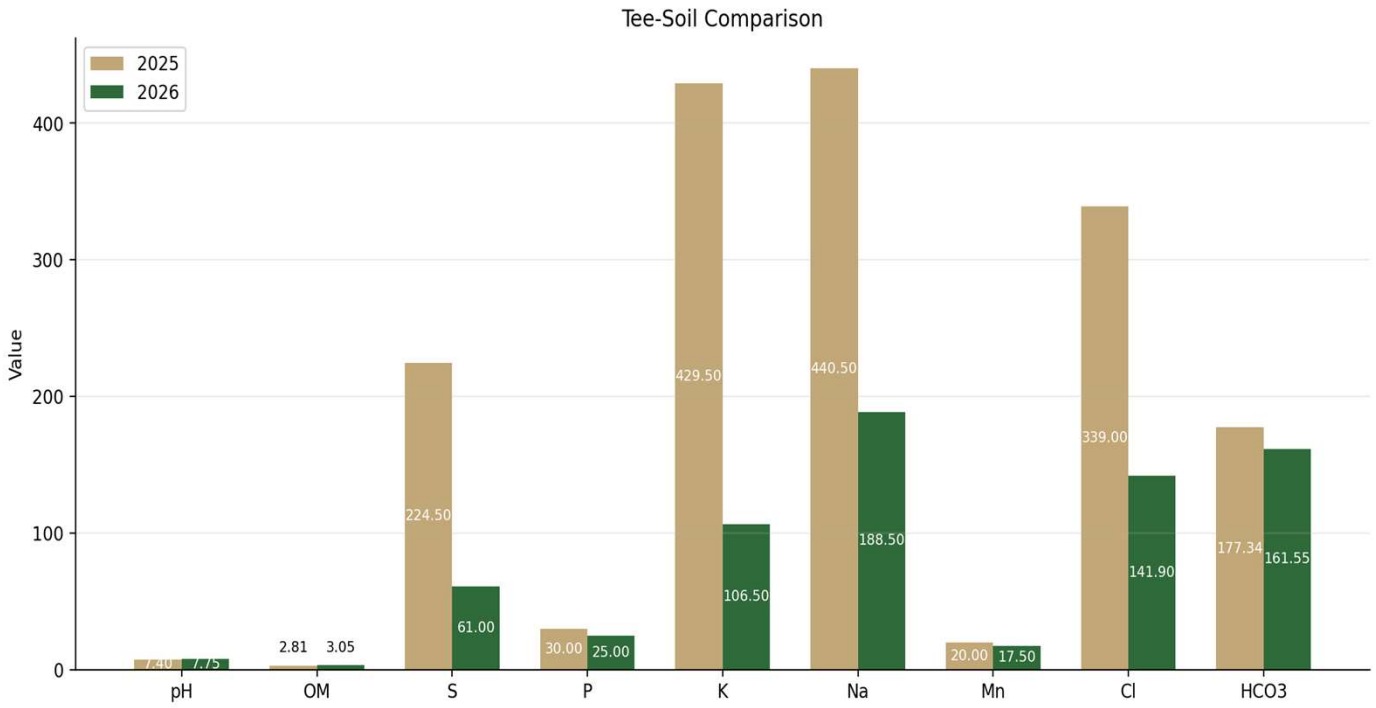
IRRIGATION WATER



- The first set of bars for each parameter is your reclaimed water averages over the last four years. The second set of bars for each parameter is the averages of your potable water. As you're beginning a new water treatment system, I believe these numbers matter. This is the water that's been hitting the ground for the last four years since I reestablished a relationship with DragonRidge CC. So, going forward, one way to gauge the system's efficiency is how these numbers change. I understand there's more that the system can do in the soil, but these numbers must be our baselines.

TEES

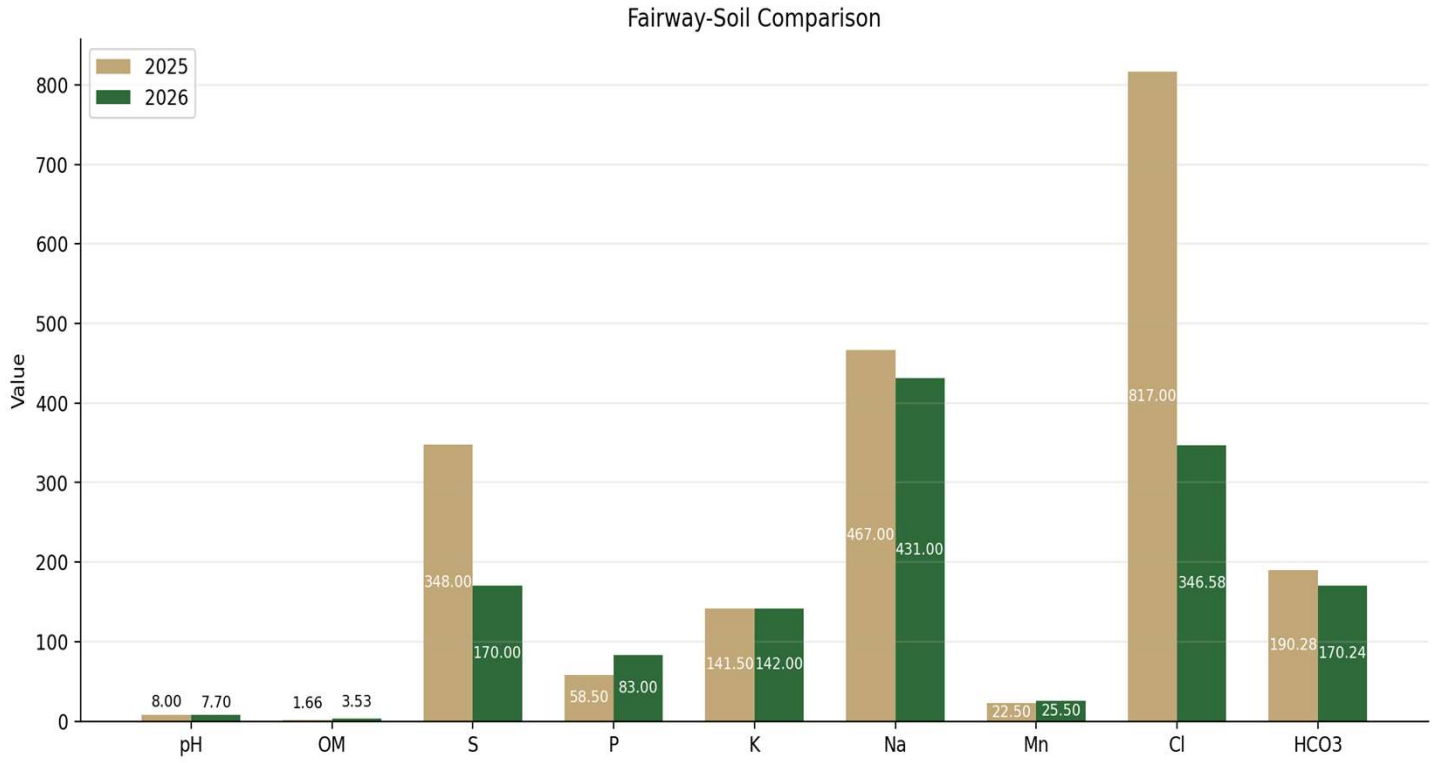


- For this report I compared year over year samples in the spring. Typically, I would compare the holes we did in March with those same holes from a year past. I've been working with DragonRidge CC again since 2022 and mainly focused on the project. So, we still have more to do with routine sample collection.
- There are dramatic reductions in everything from sulfur to chloride. Some of that may be due to how your watering practices affect the soil. Another factor could be some rain that we got through the winter that may have cleaned things up a bit.

TURF NUTRIENT TARGETS		
NUTRIENTS		
Ca	≥ 500 ppm	
Mg	≥ 100 ppm	
K	≥ 75 ppm	
Mn	≥ 50 ppm	
NITROGEN		
NO_3-N	≤ 5 ppm	Greens
NO_3-N	≤ 10 ppm	Cool-season tees & fairways
NO_3-N	≤ 15 ppm	Warm-season grass, tees & fairways

ppm = parts per million

FAIRWAYS



- Year over year, there has been a significant reduction in sulfur and chloride. Because they are such mobile elements in the soil, I believe this could be an effect of your recent fairway aerification. The fairways have at least 3" OM layer before it gets to the red dirt. Anything you can do to poke through that "plastic bag" of organic material, then things will flow better through the soil profile.
- As the priority is keeping the rye grass, fairway aerification should take place at least once per season. If you can do one in June and one again in the late fall, you will continue to see more changes in how nutrients move in the soil.

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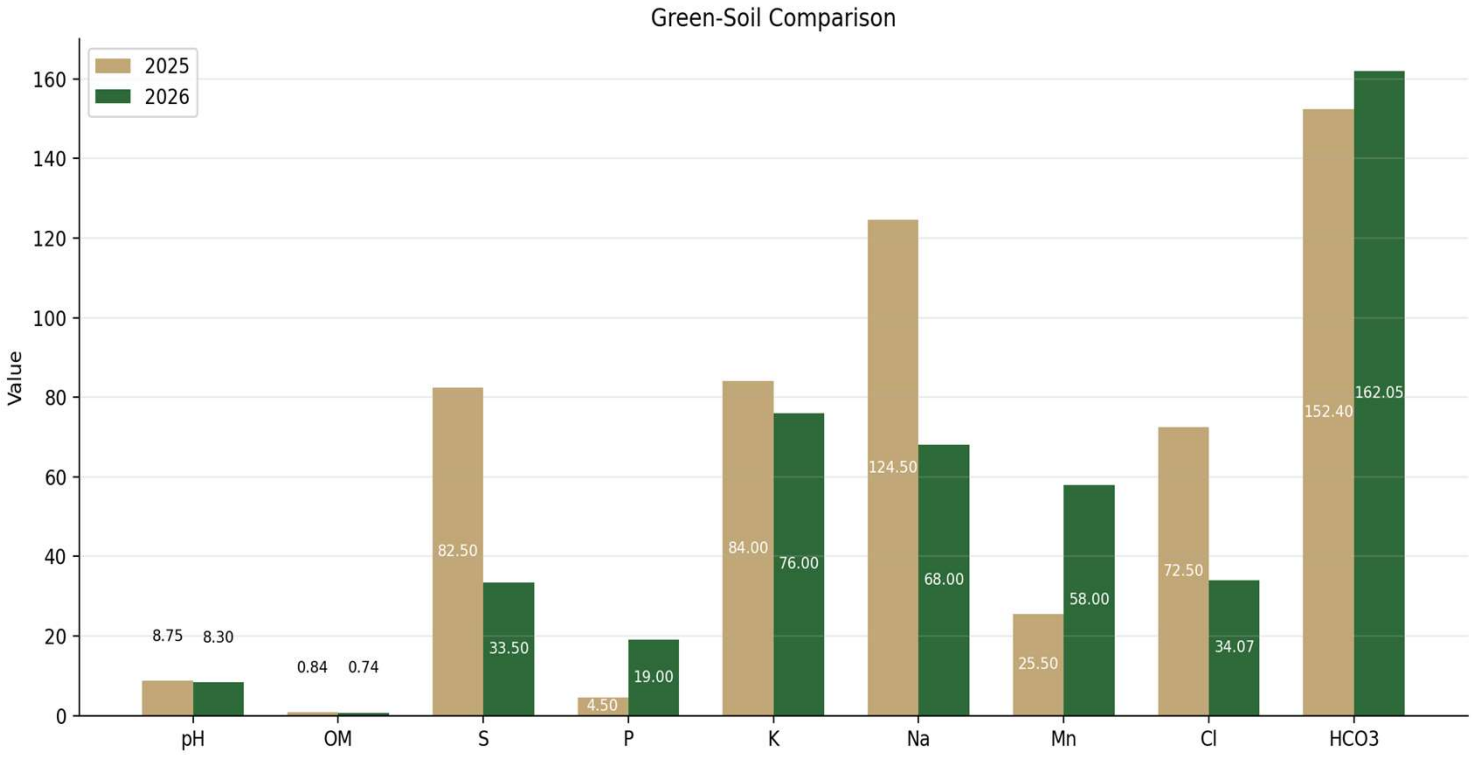
GREENS



- Because the greens are all the same age, we can do a more direct comparison even though in 2025 we sampled holes 5 and 14. Sand based areas tend to show the most recent fertility applications prior to soil testing. Meaning, this was the state you were in at the time I sample in 2025 and 2026; There are a lot of ebbs and flows with greens.
- The manganese levels made a very nice increase and are now within range. Potassium has been trending even to acceptable ranges, the past two years. I would recommend monthly applications of 0-0-50 at a rate of 2 lbs. of product per 1,000 sq. ft.

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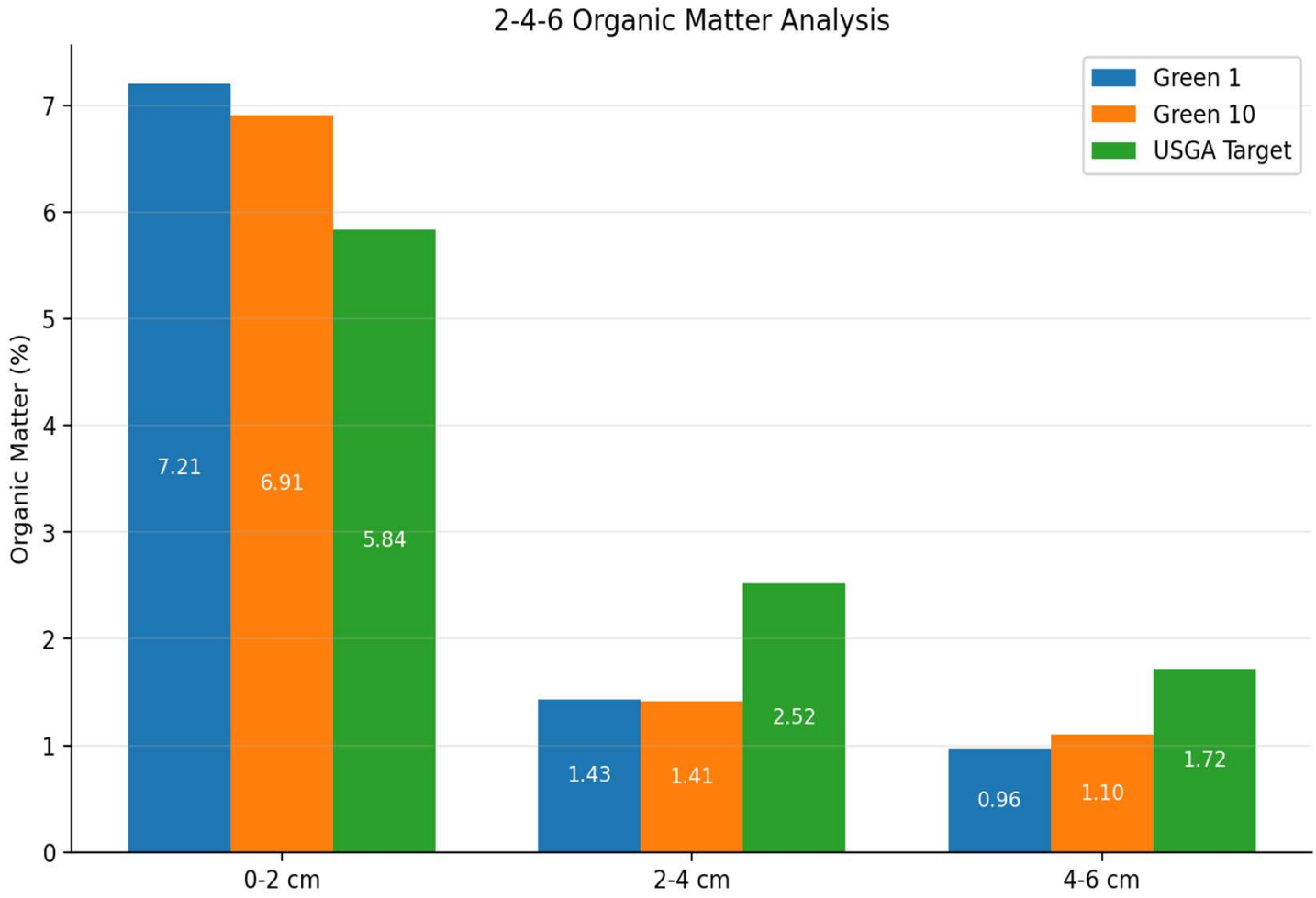
PHYSICAL ANALYSIS



- As a reminder, the USGA target numbers are derived from a 5-year study. They collected over 500 samples across the country and took averages per each layer based on grass type. In 2025 I gave away over 100 of these samples and found this information to be valuable. However, an average is not the same as a specification or recommendation. So, what we've done for you and DragonRidge Country Club is produce baselines as the greens begin to age.
- The 0 to 2 cm is the hardest area to manage. This particular variety of bent grass is very aggressive and, in some cases, grow similarly to Bermuda grass. I believe with your current cultural practices you'll be able to keep the 2 to 6 cm layers under USGA target range.

SUMMARY

- Tee and bunker renovation scheduled for June 19.
- Planning to install Porous Pave sand guard liner in bunkers; will improve drainage consistency, reduce contamination, and stabilize sand over time.
- Nano oxygen system set to come online this week; monitor early impacts on soil oxygen levels and adjust irrigation to match improved infiltration.
- Sulfur burner has remained offline since February; continue observing pH stability and nutrient availability without acid injection inputs.
- Air temperatures reaching ~95°F with soil temps near 60°F; turf approaching early-season stress with rising evapotranspiration demand

Corey Angelo | Owner

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