



Client: La Valle Coastal Club
Spring 2025 Report

<u>4/8/25</u>	
Humidity/Air Temperature	60%/73°
Greens Temperature	(avg)58°
Fairways Temperature	(avg)60°

WATER	Acceptable Range For Water Sample	Irrigation Water North Course	Irrigation Water East Course
		<u>4/8/25</u>	<u>4/8/25</u>
pH	6.50	7.15	7.20
EC	<2.25 mmhos/cm	1.43	1.44
Sodium		186.17	184.20
Calcium	20 - 60 ppm	69.76	71.60
Magnesium	10 - 25 ppm	23.34	27.02
Potassium	5 - 20 ppm	22.53	21.52
Phosphorus	0.1-0.4 ppm	3.60	2.32
Nitrate	0-2 ppm	10.75	10.75
Sulfur	30 - 90 ppm	199.87	213.89
Bicarbonate	<120 ppm	151.33	154.68
Boron	<0.67 ppm	0.36	0.29
Chloride	<177 ppm	248.33	251.91



SOIL AND WATER CONSULTING

NORTH GREEN		North Green #2 0-6 1/2"	North Green #2 Below 6 1/2"	Glibland 20/30 Sand
		4/8/25	4/8/25	4/8/25
	Clay	0.20	0.20	0.80
	Silt	2.20	2.50	1.00
	Sand	96.90	96.60	98.20
	Gravel	0.70	0.70	0.00
	Organic Material	1.14	0.22	<0.10
	<u>Sieve #:</u>			
	Fine Gravel 10	0.70	0.70	0.00
	Very Coarse Sand 18	3.90	10.80	0.80
	Coarse Sand 35	28.70	35.70	35.00
	Medium Sand 60	54.70	36.70	54.30
	Fine Sand 100	6.10	9.20	7.50
	Very Fine Sand 140	2.30	2.00	0.40
	Very Fine Sand 270	1.20	2.20	0.20
	Infiltration Rate	n/r	n/r	n/r

NORTH GREEN		North Green #4 0-6 1/2"	North Green #4 Below 6 1/2"	Glibland 20/30 Sand
		4/8/25	4/8/25	4/8/25
	Clay	0.20	2.40	0.80
	Silt	2.90	7.70	1.00
	Sand	96.30	89.20	98.20
	Gravel	0.60	0.70	0.00
	Organic Material	1.64	0.93	<0.10
	<u>Sieve #:</u>			
	Fine Gravel 10	0.60	0.70	0.00
	Very Coarse Sand 18	4.50	4.30	0.80
	Coarse Sand 35	29.70	21.80	35.00
	Medium Sand 60	51.90	299.80	54.30
	Fine Sand 100	6.00	15.40	7.50
	Very Fine Sand 140	2.00	10.40	0.40
	Very Fine Sand 270	2.20	7.60	0.20
	Infiltration Rate	n/r	n/r	n/r

TEES	Acceptable Range For Alkaline Soils Sample	4(avg) 4/8/25
Organic Matter (Humus)	2 - 3%	3.87
Sulfur	12 - 16 ppm	100.00
Olsen - Phosphorus	13 - 20 ppm	55.00
Calcium - TEC of 6 - 12	1,000 lbs/acre	3,590.00
Magnesium	>7% base saturation or at least 200 lbs/acre	25.13%/927
Potassium - TEC of 0 - 35	100 ppm	252.00
Manganese	>50 ppm	138.00

FAIRWAYS	Acceptable Range For Alkaline Soils Sample	4(avg) 4/8/25
Organic Matter (Humus)	2 - 3%	4.26
Sulfur	12 - 16 ppm	743.33
Olsen - Phosphorus	13 - 20 ppm	29.00
Calcium - TEC of 6 - 12	1,000 lbs/acre	4,141.33
Magnesium	>7% base saturation or at least 200 lbs/acre	19.3%/984
Potassium - TEC of 0 - 35	100 ppm	191.00
Manganese	>50 ppm	81.00

GREENS	Acceptable Range For Alkaline Soils Sample	4(avg) 4/8/25
Organic Matter (Humus)	2 - 3%	0.96
Sulfur	12 - 16 ppm	27.50
Olsen - Phosphorus	13 - 20 ppm	22.00
Calcium - TEC of 6 - 12	1,000 lbs/acre	1,462.00
Magnesium	>7% base saturation or at least 200 lbs/acre	19.23%/248
Potassium - TEC of 0 - 35	150 ppm	40.50
Manganese	>50 ppm	57.50

NORTH COURSE TEE	Acceptable Range For Saturated Paste Sample	4 4/8/25
Nitrate- Warm Season Grass	10 - 15 ppm	<0.5
Phosphorus	2 - 10 ppm	1.94
Potassium	40 - 100 ppm	37.44
Calcium	60 - 200 ppm	112.05
Magnesium	20 - 70 ppm	58.38
Sodium	0 - 30 ppm	251.90
Soluble Salts	<1,920 ppm	1,238.00
Bicarbonate	<60 ppm	215.57
Chloride	<1,000 ppm	399.00
SAR	<4%	4.80

NORTH COURSE FAIRWAY	Acceptable Range For Saturated Paste Sample	4 4/8/25
Nitrate- Paspalum	10 - 15 ppm	<0.5
Phosphorus	2 - 10 ppm	3.30
Potassium	40 - 100 ppm	74.08
Calcium	60 - 200 ppm	129.86
Magnesium	20 - 70 ppm	76.23
Sodium	0 - 30 ppm	355.12
Soluble Salts	<1,920 ppm	1,393.00
Bicarbonate	<60 ppm	322.27
Chloride	<1,000 ppm	441.00
SAR	<4%	6.12

NORTH COURSE GREEN	Acceptable Range For Saturated Paste Sample	4 4/8/25
Nitrate- Poa annua	1-3 ppm	1.50
Phosphorus	2 - 7 ppm	6.77
Potassium	25-40 ppm	8.89
Calcium	50- 75 ppm	23.65
Magnesium	15-30 ppm	8.29
Sodium	0 - 30 ppm	62.92
Soluble Salts	<1,000 ppm	349.00
Bicarbonate	<60 ppm	73.63
Chloride	<200 ppm	71.00
SAR	<4%	2.84

Average OM By Species

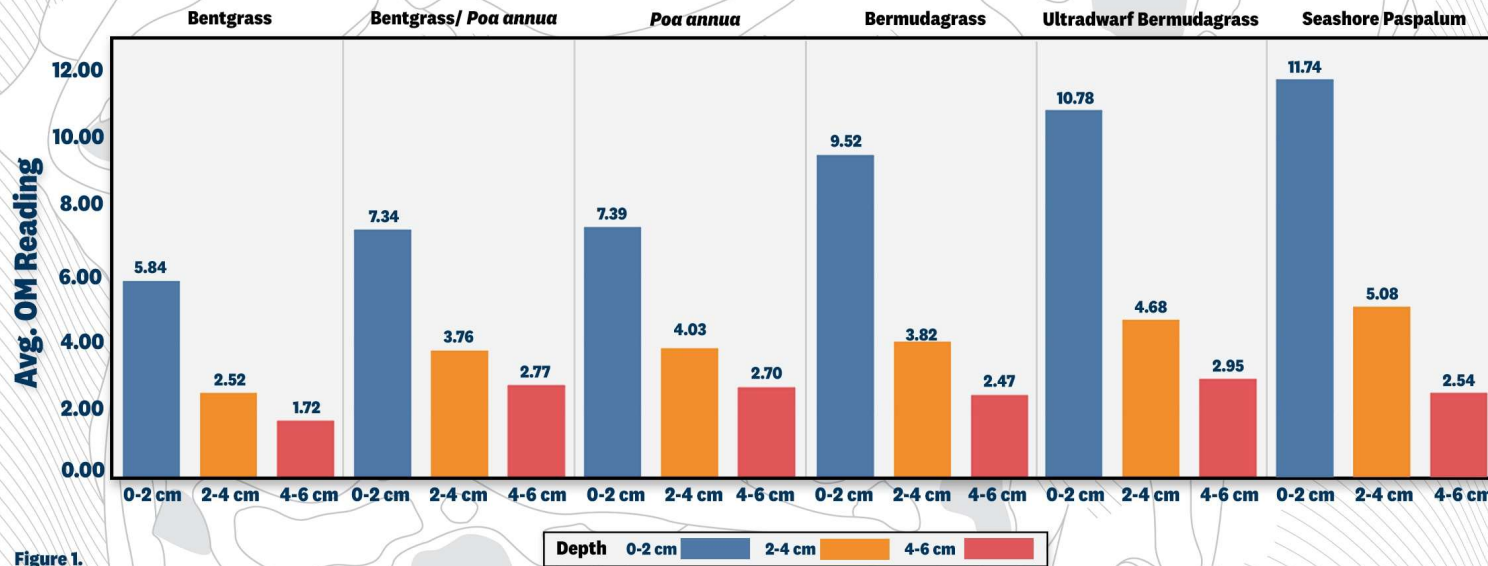


Figure 1.

<https://www.usga.org/content/usga/home-page/course-care/green-section-record/62/issue-22/are-you-managing-putting-green-organic-matter-or-is-it-managing-.html#sectionFilters=research&returnable>

	North Course Green #2 (4-2025)	North Course Green #4 (4-2025)	USGA Research <u>National Averages (<i>Poa annua</i>)</u>
Organic Material 0-2cm	4.59	4.86	7.39
Organic Material 2-4cm	1.52	2.07	4.03
Organic Material 4-6cm	0.70	1.42	2.7

Nutrient Deficiencies

			K	Na	SAR %
NORTH COURSE	TEE	4	139	370	4.8
NORTH COURSE	GREEN	4	39	95	2.84
SOUTH COURSE	TEE	4	252	300	n/r
SOUTH COURSE	GREEN	4	42	76	n/r

Potassium can be added to greens in the form of 0-0-50 at a rate of 2 pounds of product per 1,000 sq ft on Greens monthly

Comments and Next Level Cultural Practices

- I would not change the topdressing sand at this time. The Core sample from North Course Green #4 Below 6 ½" section was different, but the other sections met up the Gillibrand 20/30 well.
- The fairways were excellent during my visit.
- The new Putting Course was recently sodded. The mix was a 90/10 using Pro-Tour Sand and Sphagnum Peat moss. I would recommend using the Pro-Tour 90/10 to topdress the new Putting Course green for at least a few years.
- With all the renovations on the property, it can be difficult to keep track of everything. When it is all done, we may want to continue with greens core sampling to make sure one sand product works for all the greens. You may end up with 2 piles of different greens topdressing sand for a few years.
- I noted the Sodium Adsorption Ratio (SAR) from the Saturated Paste analysis because even though your water can be harsh, the tees and the greens seem to drain that water well past the rootzone. The fairways are as good as they are, in part, due to the water source.

