



Client: The Summit Golf Club
Summer 2025 Report

	<u>6/21/22</u>	<u>6/16/23</u>	<u>6/12/25</u>
Humidity/Air Temperature	5%/105°	65%/85°	15%/99°
Greens Temperature	(avg)73.5°	(avg)67.8°	(avg)70°
Fairway Temperature	(avg)73.3°	(avg)68.5°	(avg)76°

	<u>Acceptable Range For Water Sample</u>	<u>Hole #6 6/21/22</u>	<u>Hole # 6/16/23</u>	<u>Hole #6 6/12/25</u>
pH	6.0-6.5	7.85	7.98	8.09
EC	<2.25 mmhos/cm	0.96	0.93	0.98
Sodium		88.72	83.10	93.18
Calcium	20 - 60 ppm	69.00	67.98	81.29
Magnesium	10 - 25 ppm	23.08	27.97	24.93
Potassium	5 - 20 ppm	3.75	4.45	3.34
Sulfur	30 - 90 ppm	203.07	207.11	226.10
Bicarbonate	<120 ppm	191.50	181.18	168.31
Boron	<0.67 ppm	0.12	0.09	<0.05
Chloride	<177 ppm	89.36	90.04	92.93



SOIL AND WATER CONSULTING

TEE	Acceptable Range For Tissue Sample	6 6/12/25
Nitrogen	2.49%-4.56%	5.32
Phosphorus	0.26%-0.38%	0.56
Potassium	0.95% - 1.97%	2.81
Calcium	0.50%-0.90%	0.63
Magnesium	0.13%-0.16%	0.31
Sodium	622-1709 ppm	3,310.20

FAIRWAY	Acceptable Range For Tissue Sample	6 6/12/25
Nitrogen	2.49%-4.56%	5.01
Phosphorus	0.26%-0.38%	0.55
Potassium	0.95% - 1.97%	2.32
Calcium	0.50%-0.90%	0.76
Magnesium	0.13%-0.16%	0.29
Sodium	622-1709 ppm	2,272.10

GREENS	Acceptable Range For Tissue Sample	6,15(avg) 6/12/25
Nitrogen	3.0%-6.5%	3.40
Phosphorus	0.2%-0.55%	0.47
Potassium	0.86%-2.55%	2.00
Calcium	0.21%-0.50%	0.73
Magnesium	0.09%-0.22%	0.28
Sodium	506- 2264 ppm	2,186.95

TEES	Acceptable Range For Alkaline Soils Sample	6,15(avg) 6/21/22	6,15(avg) 6/12/25
Organic Matter (Humus)	2 - 3%	1.29	1.79
Sulfur	12 - 16 ppm	77.00	47.50
Olsen - Phosphorus	13 - 20 ppm	18.50	22.50
Calcium - TEC of 6 - 12	1,000 lbs/acre	3,965.00	2,317.00
Magnesium	>7% base saturation or at least 200 lbs/acre	11.38%/335	15.01%/277
Potassium - TEC of 0 - 35	100 ppm	69.50	69.00
Manganese	>50 ppm	16.50	17.00

FAIRWAYS	Acceptable Range For Alkaline Soils Sample	6,15(avg) 6/21/22	6,15(avg) 6/12/25
Organic Matter (Humus)	2 - 3%	1.52	1.80
Sulfur	12 - 16 ppm	43.50	111.50
Olsen - Phosphorus	13 - 20 ppm	16.50	24.00
Calcium - TEC of 6 - 12	1,000 lbs/acre	2,867.00	2,162.00
Magnesium	>7% base saturation or at least 200 lbs/acre	14.7%/337	17.86%/340
Potassium - TEC of 0 - 35	100 ppm	102.50	90.50
Manganese	>50 ppm	10.50	10.50

GREENS	Acceptable Range For Alkaline Soils Sample	6,15(avg) 6/21/22	6,15(avg) 6/12/25
Organic Matter (Humus)	2 - 3%	0.87	0.85
Sulfur	12 - 16 ppm	84.00	181.50
Olsen - Phosphorus	13 - 20 ppm	11.00	13.00
Calcium - TEC of 6 - 12	1,000 lbs/acre	1,970.00	2,128.00
Magnesium	>7% base saturation or at least 200 lbs/acre	13.6%/222	14.24%/259
Potassium - TEC of 0 - 35	150 ppm	84.00	91.50
Manganese	>50 ppm	24.50	86.50

TEE	Acceptable Range For Saturated Paste Sample	6 6/21/22	6 6/12/25
Nitrate -Bermudagrass	10-15 ppm	5.20	<0.5
Phosphorus	2 - 10 ppm	2.05	3.73
Potassium	40 - 100 ppm	23.08	23.68
Calcium	60 - 200 ppm	70.58	57.89
Magnesium	20 - 70 ppm	24.42	17.67
Sodium	0 - 30 ppm	148.68	92.49
Soluble Salts	<1,920 ppm	716.00	563.00
Bicarbonate	<60 ppm	116.83	133.14
Chloride	<1,000 ppm	108.00	80.00
SAR	<4%	3.89	2.73

FAIRWAY	Acceptable Range For Saturated Paste Sample	6 6/21/22	6 6/12/25
Nitrate -Bermudagrass	10-15 ppm	<0.5	22.50
Phosphorus	2 - 10 ppm	6.71	3.59
Potassium	40 - 100 ppm	34.55	67.68
Calcium	60 - 200 ppm	39.50	182.04
Magnesium	20 - 70 ppm	13.68	77.62
Sodium	0 - 30 ppm	45.06	252.88
Soluble Salts	<1,920 ppm	371.00	1,457.00
Bicarbonate	<60 ppm	125.54	241.57
Chloride	<1,000 ppm	39.00	255.00
SAR	<4%	1.57	3.95

GREENS	Acceptable Range For Saturated Paste Sample	6,15(avg) 6/21/22	6,15(avg) 6/12/25
Nitrate - Tyee/007 Bentgrass	1-3 ppm	<0.5	<0.5
Phosphorus	2 - 7 ppm	1.56	1.11
Potassium	25-40 ppm	43.65	49.01
Calcium	50- 75 ppm	91.07	149.42
Magnesium	15-30 ppm	29.40	42.38
Sodium	0 - 30 ppm	162.86	202.25
Soluble Salts	<1,000 ppm	851.00	1,144.50
Bicarbonate	<60 ppm	97.71	134.64
Chloride	<200 ppm	123.50	187.00
SAR	<4%	3.82	3.77

Nutrient Deficiencies

		K	Na
TEE	6	68	81
TEE	15	70	72
FAIRWAY	6	107	174
FAIRWAY	15	74	109
GREEN	6	100	198
GREEN	15	83	135

Potassium can be added in the form of 0-0-50 at a rate of 2 pounds of product per 1,000 sq ft for the next four months on greens.

Comments and Next Level Cultural Practices

- I highlighted the potassium to sodium amounts in the fairways to note that it would not be a bad idea to apply 0-0-50 there as well as greens. With some elevated Nitrogen levels in the fairways and sodium levels higher than potassium levels, it would help throughout the Summer months.
- The new practice area was recently completed. I would like to track those green's OM levels more often using the 2-4-6 OM analysis because they were sodded. I believe you can use that information to determine the best aerification and dethatching practices as they age.
- Thank you, Scott! Congratulations on your retirement and you have meant a lot to me and my business over the last 20 years. Without you and others in Las Vegas when I started, I would not have what I have now. This course was built properly in so many ways and the next team will take things to the next stage of The Summit Club's life. Good Luck!