



SOIL AND WATER CONSULTING

Data Collection Report

Fall 2022

Date of Collection: 9/12/22

Client: Parks Department Fields



SOUTHSIDE PARK	Acceptable Range For Alkaline Soils Sample	Football 10/14/20	Football 9/23/21	Football 9/12/22
Organic Matter (Humus)	2 - 3%	5.11	4.70	4.86
Sulfur	12 - 16 ppm	71.00	49.00	30.00
Olsen - Phosphorus	13 - 20 ppm	29.00	68.00	65.00
Calcium - TEC of 6 - 12	1,000 lbs/acre	4,992.00	5,192.00	5,760.00
Magnesium	>7% base saturation or at least 200 lbs/acre	25.21%/1,178	23.63%/1112	22.62%/1,162
Potassium - TEC of 0 - 35	100 ppm	373.00	345.00	392.00
Manganese	>50 ppm	31.00	665.00	62.00

CENTENNIAL PARK SOCCER	Acceptable Range For Alkaline Soils Sample	South 10/14/20	South 9/23/21	South 9/12/22	North 10/14/20	North 9/23/21	North 9/12/22
Organic Matter (Humus)	2 - 3%	7.01	5.64	5.07	6.28	4.90	3.96
Sulfur	12 - 16 ppm	35.00	36.00	23.00	48.00	40.00	47.00
Olsen - Phosphorus	13 - 20 ppm	17.00	35.00	31.00	31.00	48.00	41.00
Calcium - TEC of 6 - 12	1,000 lbs/acre	5,384.00	4,556.00	5,176.00	3,828.00	5,688.00	6,132.00
Magnesium	>7% base saturation or at least 200 lbs/acre	27.14%/1,452	26.63%/1196	26.20%/1,308	30.66%/1,292	26.84%/1500	27.61%/1688
Potassium - TEC of 0 - 35	100 ppm	564.00	477.00	490.00	546.00	580.00	685.00
Manganese	>1 ppm	20.00	60.00	74.00	35.00	69.00	98.00

SOUTHSIDE PARK	Acceptable Range For Saturated Paste Sample	Football 10/14/20	Football 9/23/21	Football 9/12/22
Nitrate - Ryegrass	5 - 10 ppm	13.30	22.30	20.40
Phosphorus	2 - 10 ppm	2.44	5.04	4.50
Potassium	40 - 100 ppm	42.81	24.85	24.26
Calcium	60 - 200 ppm	135.87	63.67	48.43
Magnesium	20 - 70 ppm	68.44	34.68	25.48
Sodium	0 - 30 ppm	88.78	46.51	32.53
Soluble Salts	<1,920 ppm	892.00	498.00	376.00
Bicarbonate	<60 ppm	222.03	161.18	134.69
Chloride	<1,000 ppm	85.00	44.00	37.00
SAR	<4%	1.55	1.16	0.94

CENTENNIAL PARK SOCCER	Acceptable Range For Saturated Paste Sample	South 10/14/20	South 9/23/21	South 9/12/22	North 10/14/20	North 9/23/21	North 9/12/22
Nitrate - Ryegrass	5 - 10 ppm	36.30	28.40	9.00	90.40	36.60	2.50
Phosphorus	2 - 10 ppm	4.17	7.46	4.49	9.70	5.53	3.42
Potassium	40 - 100 ppm	50.27	43.92	24.23	75.25	33.88	14.91
Calcium	60 - 200 ppm	75.67	49.18	27.19	105.58	61.90	23.27
Magnesium	20 - 70 ppm	45.73	30.10	15.60	71.90	37.57	13.34
Sodium	0 - 30 ppm	81.79	53.25	23.26	106.20	57.44	20.06
Soluble Salts	<1,920 ppm	671.00	503.00	256.00	970.00	560.00	202.00
Bicarbonate	<60 ppm	106.03	149.74	115.44	93.94	184.46	108.61
Chloride	<1,000 ppm	95.00	32.00	15.00	125.00	37.00	15.00
SAR	<4%	1.83	1.47	0.88	1.95	1.42	0.82