c.CMagro
PURE Insight Water Analysis Report
Irrigation-MAIN
1/1/25
PUREInsightH2O-1001-1

General Water Characteristics	
pH	7.63
Hardness	493.79
Bicarbonate (ppm)	285.48
Carbonate (ppm)	0.01

Turfgrass Physiological Influence	
Electrical Conductivity (EC_w in dS/m)	2.74
Total Disolved Solids (TDS) in ppm	1753.60

Turf Rootmass Influence	
Sodium (meq/L)	15.65
Chloride (ppm)	502.00
Boron (ppm)	0.78

Turf Foliage Influence	
Sodium (ppm)	359.84
Chloride (ppm)	502.00

Influence on Soil Structure, Drainage and Air/Water Balance	
Sodium Adsorption Ratio (SAR_w) in meq/L	7.04
Adj Residual Sodium (Adj Rna) aka Adj SAR_w in meq/L	12.69
Exchangeable Sodium Percentage (ESP)	60.40
Total Carbonates (HCO_3- + CO_3--)	4.68
Residual Sodium Carbonate (RSC)	-5.20
Electrical Conductivity (EC_w in dS/m)	2.74
Total Disolved Solids (TDS) in ppm	1753.60
Total Suspended Solids (TSS) in ppm	5.62

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Nutrient Additions (ppm)		Lb/M/Inch	kg/100m2/25mil
Nitrate (NO_3)	11.60	0.06	0.03
Nitrate - N	2.62	0.01	0.01
Phosphate (PO_4)	1.90	0.01	0.00
Phosphate - P	0.63	0.00	0.00
Potassium (K)	14.99	0.08	0.04
Magnesium (Mg)	50.82	0.26	0.13
Calcium (Ca)	114.17	0.59	0.29
Sulfate (SO_4)	309.83	1.61	0.78
Sulfate - S	102.24	0.53	0.26
Manganese (Mn)	0.01	0.00	0.00
Iron (Fe)	0.06	0.00	0.00
Boron (B)	0.78	0.00	0.00

Anions and Cations (meq/L)	
K^+	0.38
Na^+	15.65
Ca^{++}	5.70
Mg^{++}	4.18
$Fe^{(++/+++)}$	0.00
Mn^{++}	0.00
Cl^-	14.16
SO_4^{--}	6.45
$HCO3^-$	4.68
CO_3^{--}	0.00
$PO4^{---}$	0.06
NO_3^-	0.19
Ion Balance	***0.38***
Al^{+++}	N/A
$Cu^{(+/++)}$	N/A
$Zn^{(+/++)}$	N/A
$B^{(Neutral)}$	0.01
$NH_4^{(+)}$	N/A
Alkalinity	N/A
Ca_x (For Adj SAR_w)	1.90

