

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Tucson Country Club
2950 N. Camino Principal
Tucson, AZ 85715

File Number: 34998
Date Received: 3/27/2023
Date Reported: 3/29/2023

Submitted By: Soil and Water Consulting

Lab Number	0003			0004			
Description	FAIRWAY			FAIRWAY			
	1			4			
pH	8.0			7.7			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	349			323			
Chloride	20			26			
Nitrate (NO ₃ -N)	< 0.5			< 0.5			
Bicarbonate	205.24			161.65			
Sulfur	17.66			21.01			
Phosphorus	1.55			3.31			
Calcium	47.99	2.39	35.92	42.10	2.10	32.94	
Magnesium	6.49	0.53	8.01	6.79	0.56	8.76	
Potassium	21.20	0.54	8.13	25.82	0.66	10.36	
Sodium	73.49	3.20	47.93	70.34	3.06	47.95	
TOTAL		6.67	100		6.38	100	
Boron	0.14			0.20			
Iron	1.98			2.13			
Manganese	0.10			0.21			
Copper	0.12			0.17			
Zinc	0.07			0.15			
Aluminum	3.55			3.03			
Ammonium (NH ₄ -N)	< 0.5			0.9			
ESP (calculated)	2.57			2.58			
SAR (calculated)	2.64			2.65			

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0005
Description	FAIRWAY
	16

pH	7.7
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	273					
Chloride	23					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	127.53					
Sulfur	16.45					
Phosphorus	2.82					
Calcium	26.74	1.33	26.07			
Magnesium	4.95	0.41	7.96			
Potassium	19.35	0.49	9.67			
Sodium	66.28	2.88	56.31			
TOTAL		5.12	100			
Boron	0.20					
Iron	2.68					
Manganese	0.08					
Copper	0.18					
Zinc	0.09					
Aluminum	4.47					
Ammonium (NH ₄ -N)	1.2					
ESP (calculated)	3.19					
SAR (calculated)	3.09					

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Lab Number	0006
Description	NEW PG

pH	7.5
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	289					
Chloride	11					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	94.42					

Sulfur	37.15					
Phosphorus	15.70					
Calcium	45.95	2.29	44.14			
Magnesium	6.60	0.54	10.44			
Potassium	32.50	0.83	16.00			
Sodium	35.15	1.53	29.42			
TOTAL		5.19	100			

Boron	0.14					
Iron	0.75					
Manganese	0.12					
Copper	0.04					
Zinc	0.03					
Aluminum	0.94					
Ammonium (NH ₄ -N)	1.6					

ESP (calculated)	0.63					
SAR (calculated)	1.28					

* Soluble Salts: mmhos/cm = ppm / 640