

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 34998
Date Received: 3/17/2025
Date Reported: 3/19/2025

Submitted By: Soil and Water Consulting

Lab Number	0035
Description	TEE
	14

pH	8.3
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	476					
Chloride	62					
Nitrate (NO ₃ -N)	< 0.5					
Bicarbonate	241.77					
Sulfur	16.17					
Phosphorus	1.67					
Calcium	40.23	2.01	27.16			
Magnesium	7.97	0.66	8.86			
Potassium	17.83	0.46	6.17			
Sodium	98.29	4.27	57.81			
TOTAL		7.39	100			
Boron	0.15					
Iron	2.50					
Manganese	0.12					
Copper	0.09					
Zinc	0.07					
Aluminum	4.07					
Ammonium (NH ₄ -N)	1.3					
ESP (calculated)	4.03					
SAR (calculated)	3.70					

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0036
Description	FAIRWAY
	14

pH	8.2
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	621					
Chloride	130					
Nitrate (NO ₃ -N)	11.8					
Bicarbonate	206.58					
Sulfur	36.19					
Phosphorus	4.16					
Calcium	46.86	2.34	21.97			
Magnesium	11.00	0.90	8.50			
Potassium	36.47	0.93	8.76			
Sodium	148.80	6.47	60.77			
TOTAL		10.65	100			

Boron	0.23
Iron	14.23
Manganese	0.31
Copper	0.17
Zinc	0.22
Aluminum	25.02
Ammonium (NH ₄ -N)	< 0.5

ESP (calculated)	5.87
SAR (calculated)	5.08

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0037			0038			
Description	GREEN			GREEN			
	5			14			
pH	8.0			8.2			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	230			231			
Chloride	37			33			
Nitrate (NO ₃ -N)	< 0.5			< 0.5			
Bicarbonate	102.93			108.94			
Sulfur	9.81			10.86			
Phosphorus	1.05			0.84			
Calcium	17.69	0.88	23.16	12.99	0.65	18.42	
Magnesium	4.88	0.40	10.53	3.07	0.25	7.17	
Potassium	9.73	0.25	6.53	7.48	0.19	5.44	
Sodium	52.39	2.28	59.78	55.81	2.43	68.97	
TOTAL		3.81	100		3.52	100	
Boron	0.09			0.10			
Iron	4.21			2.57			
Manganese	0.17			0.10			
Copper	0.02			0.03			
Zinc	0.04			0.02			
Aluminum	6.40			4.26			
Ammonium (NH ₄ -N)	< 0.5			1.1			
ESP (calculated)	2.85			3.91			
SAR (calculated)	2.84			3.62			

* Soluble Salts: mmhos/cm = ppm / 640