

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

Iron Wolf Golf & Country Club
3275 N Latrobe Drive
Lake Havasu City, AZ 86404

File Number: 56022
Date Received: 3/24/2025
Date Reported: 3/25/2025

Submitted By: Soil and Water Consulting

Lab Number	0043
Description	TEE
	5

pH	8.1
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	2737					
Chloride	1236					
Nitrate (NO3-N)	45.9					
Bicarbonate	451.65					

Sulfur	297.13					
Phosphorus	3.35					
Calcium	314.90	15.71	26.69			
Magnesium	85.60	7.04	11.96			
Potassium	59.47	1.52	2.58			
Sodium	795.84	34.60	58.77			
TOTAL		58.88	100			

Boron	0.86					
Iron	1.10					
Manganese	0.24					
Copper	0.06					
Zinc	0.10					
Aluminum	1.39					
Ammonium (NH4-N)	11.5					

ESP (calculated)	12.18					
SAR (calculated)	10.26					

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0044
Description	FAIRWAY
	5

pH	8.3
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	1078					
Chloride	152					
Nitrate (NO3-N)	3.3					
Bicarbonate	347.05					
Sulfur	70.11					
Phosphorus	7.45					
Calcium	62.62	3.12	14.09			
Magnesium	18.06	1.49	6.70			
Potassium	30.94	0.79	3.57			
Sodium	385.98	16.78	75.65			
TOTAL		22.18	100			
Boron	0.53					
Iron	6.08					
Manganese	0.21					
Copper	0.07					
Zinc	0.12					
Aluminum	9.48					
Ammonium (NH4-N)	5.3					
ESP (calculated)	13.08					
SAR (calculated)	11.05					

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0045			0046			
Description	GREEN			GREEN			
	5			14			
pH	8.0			8.1			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	516			778			
Chloride	85			147			
Nitrate (NO3-N)	10.1			8.2			
Bicarbonate	112.36			145.58			
Sulfur	29.70			72.58			
Phosphorus	3.13			3.59			
Calcium	20.70	1.03	12.49	35.84	1.79	12.46	
Magnesium	6.84	0.56	6.80	10.89	0.90	6.24	
Potassium	13.49	0.35	4.17	20.14	0.52	3.59	
Sodium	145.54	6.33	76.53	256.45	11.15	77.70	
TOTAL		8.27	100		14.35	100	
Boron	0.53			0.69			
Iron	3.15			2.54			
Manganese	0.21			0.18			
Copper	0.04			0.03			
Zinc	0.05			0.03			
Aluminum	6.06			5.37			
Ammonium (NH4-N)	3.3			6.6			
ESP (calculated)	8.42			11.45			
SAR (calculated)	7.09			9.62			

* Soluble Salts: mmhos/cm = ppm / 640