

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

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

File Number: 92894
Date Received: 10/7/2024
Date Reported: 10/9/2024

Submitted By: Soil and Water Consulting

Lab Number	0001
Description	TEE
	2

pH	8.2
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	765					
Chloride	206					
Nitrate (NO ₃ -N)	4.3					
Bicarbonate	191.60					
Sulfur	45.46					
Phosphorus	3.51					
Calcium	51.38	2.56	19.79			
Magnesium	16.23	1.33	10.30			
Potassium	28.80	0.74	5.68			
Sodium	191.40	8.32	64.23			
TOTAL		12.96	100			

Boron	0.38
Iron	0.82
Manganese	0.05
Copper	0.05
Zinc	0.02
Aluminum	0.96
Ammonium (NH ₄ -N)	< 0.5

ESP (calculated)	7.00
SAR (calculated)	5.96

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0002
Description	FAIRWAY
	2

pH	8.2
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	(ppm)	meq/l	%	(ppm)	meq/l	%
Soluble Salts *	714					
Chloride	187					
Nitrate (NO ₃ -N)	4.4					
Bicarbonate	195.44					
Sulfur	41.91					
Phosphorus	2.30					
Calcium	41.16	2.05	16.54			
Magnesium	11.42	0.94	7.56			
Potassium	17.26	0.44	3.55			
Sodium	206.66	8.99	72.35			
TOTAL		12.42	100			
Boron	0.42					
Iron	2.61					
Manganese	0.06					
Copper	0.05					
Zinc	0.03					
Aluminum	3.40					
Ammonium (NH ₄ -N)	< 0.5					
ESP (calculated)	8.74					
SAR (calculated)	7.35					

* Soluble Salts: mmhos/cm = ppm / 640

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Lab Number	0003			0004			
Description	GREEN			GREEN			
	2			9			
pH	8.0			8.0			
	(ppm)	meq/l	%	(ppm)	meq/l	%	
Soluble Salts *	471			700			
Chloride	63			164			
Nitrate (NO3-N)	30.1			27.2			
Bicarbonate	103.64			115.12			
Sulfur	15.43			34.21			
Phosphorus	2.38			3.06			
Calcium	20.34	1.01	17.21	46.31	2.31	19.28	
Magnesium	6.74	0.55	9.39	14.99	1.23	10.29	
Potassium	10.10	0.26	4.38	17.68	0.45	3.77	
Sodium	93.61	4.07	69.02	183.78	7.99	66.66	
TOTAL		5.90	100		11.99	100	
Boron	0.11			0.31			
Iron	2.06			0.81			
Manganese	0.13			0.04			
Copper	0.02			0.04			
Zinc	0.02			0.02			
Aluminum	4.45			1.40			
Ammonium (NH4-N)	18.0			< 0.5			
ESP (calculated)	5.23			7.06			
SAR (calculated)	4.60			6.00			

* Soluble Salts: mmhos/cm = ppm / 640