

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

56022-1

Name Iron Wolf Golf & Country Club City Lake Havasu City State AZIndependent Consultant Soil and Water Consulting Date 10/05/2011

Sample Location	TEE	5			
Sample Identification					
Lab Number		0614-1			
Total Exchange Capacity (ME/100 g)		8.27			
pH (H ₂ O 1:1)		a 8.9			
Organic Matter (360°C LOI) %		0.42			
Estimated Nitrogen Release	lb/A	17			
ANIONS	SOLUBLE SULFUR*	ppm	34		
	MEHLICH III	lb/A P as P ₂ O ₅ ppm of P			
	BRAY II	lb/A P as P ₂ O ₅ ppm of P			
	OLSEN	lb/A P as P ₂ O ₅ ppm of P	32 7		
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	2504 1252		
	MAGNESIUM*	lb/A ppm	204 102		
	POTASSIUM*	lb/A ppm	166 83		
	SODIUM*	lb/A ppm	340 170		
BASE SATURATION PERCENT					
	Calcium	%	75.70		
	Magnesium	%	10.28		
	Potassium	%	2.57		
	Sodium	%	8.94		
	Other Bases	%	2.50		
	Hydrogen	%	0.00		
EXTRACTABLE MINORS					
	Boron M3 (ppm)				
	Iron** (ppm)		3		
	Manganese** (ppm)		< 1		
	Copper** (ppm)		< 0.2		
	Zinc** (ppm)		0.69		
	Aluminum (ppm)				
OTHER TESTS	Soluble Salts (mmhos/cm)				
	Chlorides (ppm)				

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** DTPA Extractable

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Sample Location		FAIRWAY	5				
Sample Identification							
Lab Number			0615-1				
Total Exchange Capacity (ME/100 g)			13.64				
pH (H ₂ O 1:1)			a 8.9				
Organic Matter (360°C LOI) %			0.55				
Estimated Nitrogen Release lb/A			22				
ANIONS	SOLUBLE SULFUR*	ppm	125				
	PHOSPHORUS	MEHLICH III lb/A P as P ₂ O ₅ ppm of P					
		BRAY II lb/A P as P ₂ O ₅ ppm of P					
		OLSEN lb/A P as P ₂ O ₅ ppm of P	37 8				
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	3672 1836				
	MAGNESIUM*	lb/A ppm	312 156				
	POTASSIUM*	lb/A ppm	334 167				
	SODIUM*	lb/A ppm	1102 551				
	BASE SATURATION PERCENT						
	Calcium %		67.30				
	Magnesium %		9.53				
	Potassium %		3.14				
	Sodium %		17.56				
	Other Bases %		2.50				
	Hydrogen %		0.00				
EXTRACTABLE MINORS							
	Boron M3 (ppm)						
	Iron** (ppm)		2				
	Manganese** (ppm)		< 1				
	Copper** (ppm)		< 0.2				
	Zinc** (ppm)		0.92				
	Aluminum (ppm)						
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						

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Name Iron Wolf Golf & Country Club City Lake Havasu City State AZIndependent Consultant Soil and Water Consulting Date 10/05/2011

Sample Location		GREEN	5				
Sample Identification							
Lab Number			0616-1				
Total Exchange Capacity (ME/100 g)			8.44				
pH (H ₂ O 1:1)			a 8.4				
Organic Matter (360°C LOI) %			0.46				
Estimated Nitrogen Release lb/A			18				
ANIONS	SOLUBLE SULFUR*	ppm	36				
	PHOSPHORUS	MEHLICH III lb/A P as P ₂ O ₅ ppm of P					
		BRAY II lb/A P as P ₂ O ₅ ppm of P					
		OLSEN lb/A P as P ₂ O ₅ ppm of P	32 7				
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	2360 1180				
	MAGNESIUM*	lb/A ppm	286 143				
	POTASSIUM*	lb/A ppm	176 88				
	SODIUM*	lb/A ppm	400 200				
	BASE SATURATION PERCENT						
	Calcium %		69.91				
	Magnesium %		14.12				
	Potassium %		2.67				
	Sodium %		10.30				
	Other Bases %		3.00				
	Hydrogen %		0.00				
EXTRACTABLE MINORS							
	Boron M3 (ppm)						
	Iron** (ppm)		1				
	Manganese** (ppm)		< 1				
	Copper** (ppm)		< 0.2				
	Zinc** (ppm)		0.44				
	Aluminum (ppm)						
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						

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