

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

56022-5

Name Iron Wolf Golf & Country Club City Lake Havasu City State AZIndependent Consultant Soil and Water Consulting Date 10/12/2015

Sample Location	FAIRWAY		6			
Sample Identification						
Lab Number			0486-1			
Total Exchange Capacity (ME/100 g)			12.60			
pH (H ₂ O 1:1)			a 9.0			
Organic Matter (360°C LOI) %			0.78			
Estimated Nitrogen Release	lb/A		31			
ANIONS	SOLUBLE SULFUR*	ppm	80			
	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				
EXCHANGEABLE CATIONS	OLSEN	lb/A P as P ₂ O ₅ ppm of P	119 26			
	CALCIUM*	lb/A ppm	3976 1988			
	MAGNESIUM*	lb/A ppm	246 123			
	POTASSIUM*	lb/A ppm	198 99			
	SODIUM*	lb/A ppm	496 248			
BASE SATURATION PERCENT						
	Calcium	%	78.89			
	Magnesium	%	8.13			
	Potassium	%	2.01			
	Sodium	%	8.56			
	Other Bases	%	2.40			
	Hydrogen	%	0.00			
EXTRACTABLE MINORS						
	Boron M3 (ppm)					
	Iron** (ppm)		6			
	Manganese** (ppm)		1			
	Copper** (ppm)		0.24			
	Zinc** (ppm)		1.77			
	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		GREEN		6		
Sample Identification						
Lab Number				0487-1		
Total Exchange Capacity (ME/100 g)				8.70		
pH (H ₂ O 1:1)				a 8.8		
Organic Matter (360°C LOI) %				0.61		
Estimated Nitrogen Release lb/A				24		
ANIONS	SOLUBLE SULFUR* ppm			42		
	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		64 14		
EXCHANGEABLE CATIONS	CALCIUM* lb/A ppm			2420 1210		
	MAGNESIUM* lb/A ppm			256 128		
	POTASSIUM* lb/A ppm			260 130		
	SODIUM* lb/A ppm			470 235		
BASE SATURATION PERCENT						
	Calcium %			69.54		
	Magnesium %			12.26		
	Potassium %			3.83		
	Sodium %			11.74		
	Other Bases %			2.60		
	Hydrogen %			0.00		
EXTRACTABLE MINORS						
	Boron M3 (ppm)					
	Iron** (ppm)			4		
	Manganese** (ppm)			2		
	Copper** (ppm)			0.24		
	Zinc** (ppm)			1.27		
	Aluminum (ppm)					
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

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Sample Location	TEE		6			
Sample Identification						
Lab Number			0488-1			
Total Exchange Capacity (ME/100 g)			12.56			
pH (H ₂ O 1:1)			a 9.1			
Organic Matter (360°C LOI) %			0.81			
Estimated Nitrogen Release	lb/A		32			
ANIONS	SOLUBLE SULFUR*	ppm	56			
	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				
EXCHANGEABLE CATIONS	OLSEN	lb/A P as P ₂ O ₅ ppm of P	137 30			
	CALCIUM*	lb/A ppm	4004 2002			
	MAGNESIUM*	lb/A ppm	258 129			
	POTASSIUM*	lb/A ppm	202 101			
	SODIUM*	lb/A ppm	426 213			
BASE SATURATION PERCENT						
	Calcium	%	79.70			
	Magnesium	%	8.56			
	Potassium	%	2.06			
	Sodium	%	7.37			
	Other Bases	%	2.30			
	Hydrogen	%	0.00			
EXTRACTABLE MINORS						
	Boron M3 (ppm)					
	Iron** (ppm)		5			
	Manganese** (ppm)		< 1			
	Copper** (ppm)		0.30			
	Zinc** (ppm)		1.52			
	Aluminum (ppm)					
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

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