

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name Braemar Country Club City Tarzana State CA

Independent Consultant Soil and Water Consulting Date 7/3/2018

Sample Location <u>MASTERS</u>		TEE				
Sample Identification		5				
Lab Number		1798-1				
Total Exchange Capacity (ME/100 g)		14.31				
pH (H ₂ O 1:1)		7.2				
Organic Matter (360°C LOI) %		7.50				
Estimated Nitrogen Release lb/A		112				
ANIONS	SOLUBLE SULFUR* ppm	65				
	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	279 61				
EXCHANGEABLE CATIONS	CALCIUM* lb/A	4176				
	ppm	2088				
	MAGNESIUM* lb/A	566				
	ppm	283				
	POTASSIUM* lb/A	360				
	ppm	180				
	SODIUM* lb/A	208				
	ppm	104				
BASE SATURATION PERCENT						
Calcium %		72.96				
Magnesium %		16.48				
Potassium %		3.23				
Sodium %		3.16				
Other Bases %		4.20				
Hydrogen %		0.00				
EXTRACTABLE MINORS						
Boron** (ppm)		1.31				
Iron** (ppm)		386				
Manganese** (ppm)		7				
Copper** (ppm)		10.85				
Zinc** (ppm)		44.12				
Aluminum** (ppm)		314				
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)	14.6				
	NH ₄ -N (ppm)	9.6				

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

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Sample Location <u>US OPEN</u>		TEE				
Sample Identification		5				
Lab Number		1799-1				
Total Exchange Capacity (ME/100 g)		9.49				
pH (H ₂ O 1:1)		7.2				
Organic Matter (360°C LOI) %		2.95				
Estimated Nitrogen Release lb/A		79				
ANIONS	SOLUBLE SULFUR* ppm	68				
	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	151 33				
EXCHANGEABLE CATIONS	CALCIUM* lb/A	2724				
	ppm	1362				
	MAGNESIUM* lb/A	368				
	ppm	184				
	POTASSIUM* lb/A	318				
	ppm	159				
	SODIUM* lb/A	158				
	ppm	79				
BASE SATURATION PERCENT						
Calcium %		71.76				
Magnesium %		16.16				
Potassium %		4.30				
Sodium %		3.62				
Other Bases %		4.20				
Hydrogen %		0.00				
EXTRACTABLE MINORS						
Boron** (ppm)		0.95				
Iron** (ppm)		207				
Manganese** (ppm)		11				
Copper** (ppm)		2.14				
Zinc** (ppm)		13.48				
Aluminum** (ppm)		143				
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)	8.4				
	NH ₄ -N (ppm)	5.5				

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Sample Location <u>WESTERN</u>		TEE				
Sample Identification		5				
Lab Number		1800-1				
Total Exchange Capacity (ME/100 g)		15.58				
pH (H ₂ O 1:1)		7.0				
Organic Matter (360°C LOI) %		5.13				
Estimated Nitrogen Release lb/A		101				
ANIONS	SOLUBLE SULFUR* ppm	96				
	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	234 51				
EXCHANGEABLE CATIONS	CALCIUM* lb/A	3882				
	ppm	1941				
	MAGNESIUM* lb/A	966				
	ppm	483				
	POTASSIUM* lb/A	498				
	ppm	249				
	SODIUM* lb/A	242				
	ppm	121				
BASE SATURATION PERCENT						
Calcium %		62.29				
Magnesium %		25.83				
Potassium %		4.10				
Sodium %		3.38				
Other Bases %		4.40				
Hydrogen %		0.00				
EXTRACTABLE MINORS						
Boron** (ppm)		1.16				
Iron** (ppm)		373				
Manganese** (ppm)		21				
Copper** (ppm)		3.87				
Zinc** (ppm)		19.43				
Aluminum** (ppm)		172				
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)	10.5				
	NH ₄ -N (ppm)	12.3				

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Sample Location <u>MASTERS</u>		FAIRWAY				
Sample Identification		5				
Lab Number		1801-1				
Total Exchange Capacity (ME/100 g)		21.40				
pH (H ₂ O 1:1)		^a 7.6				
Organic Matter (360°C LOI) %		5.94				
Estimated Nitrogen Release lb/A		105				
ANIONS	SOLUBLE SULFUR* ppm	82				
	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	110 24				
EXCHANGEABLE CATIONS	CALCIUM* lb/A	5668				
	ppm	2834				
	MAGNESIUM* lb/A	936				
	ppm	468				
	POTASSIUM* lb/A	1386				
	ppm	693				
	SODIUM* lb/A	342				
	ppm	171				
BASE SATURATION PERCENT						
Calcium %		66.21				
Magnesium %		18.22				
Potassium %		8.30				
Sodium %		3.47				
Other Bases %		3.80				
Hydrogen %		0.00				
EXTRACTABLE MINORS						
Boron** (ppm)		1.59				
Iron** (ppm)		195				
Manganese** (ppm)		26				
Copper** (ppm)		1.34				
Zinc** (ppm)		8.68				
Aluminum** (ppm)		47				
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)	10.2				
	NH ₄ -N (ppm)	8.8				

a - alkaline soil

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Sample Location			US OPEN	FAIRWAY				
Sample Identification				5				
Lab Number				1802-1				
Total Exchange Capacity (ME/100 g)				25.69				
pH (H ₂ O 1:1)				6.5				
Organic Matter (360°C LOI) %				12.46				
Estimated Nitrogen Release			lb/A	126				
ANIONS	SOLUBLE SULFUR*			ppm	145			
	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	192 42			
EXCHANGEABLE CATIONS	CALCIUM*		lb/A	6254				
			ppm	3127				
	MAGNESIUM*		lb/A	1132				
			ppm	566				
	POTASSIUM*		lb/A	890				
			ppm	445				
	SODIUM*		lb/A	464				
			ppm	232				
BASE SATURATION PERCENT								
Calcium %				60.86				
Magnesium %				18.36				
Potassium %				4.44				
Sodium %				3.93				
Other Bases %				4.90				
Hydrogen %				7.50				
EXTRACTABLE MINORS								
Boron** (ppm)				1.66				
Iron** (ppm)				213				
Manganese** (ppm)				7				
Copper** (ppm)				2.61				
Zinc** (ppm)				14.63				
Aluminum** (ppm)				143				
OTHER TESTS	Soluble Salts (mmhos/cm)							
	Chlorides (ppm)							
	NO3-N (ppm)			9.1				
	NH4-N (ppm)			8.6				

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Name Braemar Country Club City Tarzana State CAIndependent Consultant Soil and Water Consulting Date 7/3/2018

Sample Location			WESTERN	FAIRWAY				
Sample Identification				5				
Lab Number				1803-1				
Total Exchange Capacity (ME/100 g)				20.07				
pH (H ₂ O 1:1)				7.2				
Organic Matter (360°C LOI) %				7.65				
Estimated Nitrogen Release lb/A				113				
ANIONS	SOLUBLE SULFUR* ppm			272				
	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	137 30				
EXCHANGEABLE CATIONS	CALCIUM*		lb/A	5030				
			ppm	2515				
	MAGNESIUM*		lb/A	1162				
			ppm	581				
	POTASSIUM*		lb/A	838				
			ppm	419				
	SODIUM*		lb/A	340				
			ppm	170				
BASE SATURATION PERCENT								
Calcium %				62.66				
Magnesium %				24.12				
Potassium %				5.35				
Sodium %				3.68				
Other Bases %				4.20				
Hydrogen %				0.00				
EXTRACTABLE MINORS								
Boron** (ppm)				2.37				
Iron** (ppm)				236				
Manganese** (ppm)				23				
Copper** (ppm)				2.58				
Zinc** (ppm)				14.78				
Aluminum** (ppm)				122				
OTHER TESTS	Soluble Salts (mmhos/cm)							
	Chlorides (ppm)							
	NO3-N (ppm)			10.0				
	NH4-N (ppm)			6.9				

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Sample Location <u>MASTERS</u>		GREEN				
Sample Identification		5				
Lab Number		1804-1				
Total Exchange Capacity (ME/100 g)		4.60				
pH (H ₂ O 1:1)		a 7.4				
Organic Matter (360°C LOI) %		0.91				
Estimated Nitrogen Release lb/A		36				
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					
	OLSEN lb/A P as P ₂ O ₅ ppm of P	46 10				
EXCHANGEABLE CATIONS	CALCIUM* lb/A	1346				
	ppm	673				
	MAGNESIUM* lb/A	164				
	ppm	82				
	POTASSIUM* lb/A	92				
	ppm	46				
	SODIUM* lb/A	116				
	ppm	58				
BASE SATURATION PERCENT						
Calcium %		73.15				
Magnesium %		14.86				
Potassium %		2.56				
Sodium %		5.48				
Other Bases %		4.00				
Hydrogen %		0.00				
EXTRACTABLE MINORS						
Boron** (ppm)		0.61				
Iron** (ppm)		85				
Manganese** (ppm)		32				
Copper** (ppm)		1.39				
Zinc** (ppm)		7.13				
Aluminum** (ppm)		53				
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)	1.5				
	NH ₄ -N (ppm)	5.2				

a - alkaline soil

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Sample Location <u>US OPEN</u>		GREEN				
Sample Identification		5				
Lab Number		1805-1				
Total Exchange Capacity (ME/100 g)		5.65				
pH (H ₂ O 1:1)		7.3				
Organic Matter (360°C LOI) %		1.42				
Estimated Nitrogen Release lb/A		48				
ANIONS	SOLUBLE SULFUR* ppm	71				
	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	1700				
	ppm	850				
	MAGNESIUM* lb/A	186				
	ppm	93				
	POTASSIUM* lb/A	94				
	ppm	47				
	SODIUM* lb/A	124				
	ppm	62				
BASE SATURATION PERCENT						
Calcium %		75.22				
Magnesium %		13.72				
Potassium %		2.13				
Sodium %		4.77				
Other Bases %		4.10				
Hydrogen %		0.00				
EXTRACTABLE MINORS						
Boron** (ppm)		0.72				
Iron** (ppm)		106				
Manganese** (ppm)		35				
Copper** (ppm)		1.91				
Zinc** (ppm)		10.64				
Aluminum** (ppm)		46				
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)	1.8				
	NH ₄ -N (ppm)	4.0				

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Sample Location		WESTERN	GREEN				
Sample Identification			5				
Lab Number			1806-1				
Total Exchange Capacity (ME/100 g)			4.80				
pH (H ₂ O 1:1)			7.1				
Organic Matter (360°C LOI) %			1.21				
Estimated Nitrogen Release lb/A			44				
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	184				
EXCHANGEABLE CATIONS	CALCIUM* lb/A		1358				
			679				
	MAGNESIUM* lb/A		204				
			102				
	POTASSIUM* lb/A		86				
		43					
SODIUM* lb/A		110					
		55					
BASE SATURATION PERCENT							
Calcium %			70.73				
Magnesium %			17.71				
Potassium %			2.30				
Sodium %			4.98				
Other Bases %			4.30				
Hydrogen %			0.00				
EXTRACTABLE MINORS							
Boron** (ppm)			0.73				
Iron** (ppm)			124				
Manganese** (ppm)			57				
Copper** (ppm)			1.91				
Zinc** (ppm)			11.94				
Aluminum** (ppm)			54				
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)		1.8				
	NH ₄ -N (ppm)		3.5				

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