

lb/A

BROOKSIDE LABORATORIES, INC.

47327-3

SOIL AUDIT AND INVENTORY REPORT

Name Boulder Creek Golf Club City Boulder City State NVIndependent Consultant Soil and Water Consulting Date 6/17/2008

Sample Location			DESSERT HAWK	TEE	FAIRWAY	GREEN		
Sample Identification				9	9	9		
Lab Number				0112-1	0113-1	0114-1		
Total Exchange Capacity (ME/100 g)				45.30	39.84	8.40		
pH (H ₂ O 1:1)				7.1	a 7.4	a 7.6		
Organic Matter (360°C LOI) %				1.07	1.36	2.09		
Estimated Nitrogen Release lb/A				41	47	62		
ANIONS	SOLUBLE SULFUR* ppm			3014	399	30		
	PHOSPHORUS	MEHLICH III lb/A P as P ₂ O ₅	ppm of P	243	247	101		
				53	54	22		
		BRAY II lb/A P as P ₂ O ₅	ppm of P	1058	577	293		
				231	126	64		
	OLSEN lb/A P as P ₂ O ₅	ppm of P						
EXCHANGEABLE CATIONS	CALCIUM*		lb/A	15028	12948	1306		
			ppm	7514	6474	653		
	MAGNESIUM*		lb/A	738	796	212		
			ppm	369	398	106		
	POTASSIUM*		lb/A	676	672	1630		
			ppm	338	336	815		
	SODIUM*		lb/A	846	782	848		
			ppm	423	391	424		
BASE SATURATION PERCENT								
Calcium %				82.94	81.25	38.87		
Magnesium %				6.79	8.32	10.52		
Potassium %				1.91	2.16	24.88		
Sodium %				4.06	4.27	21.95		
Other Bases %				4.30	4.00	3.80		
Hydrogen %				0.00	0.00	0.00		
EXTRACTABLE MINORS								
Boron* (ppm)				0.88	0.89	0.41		
Iron* (ppm)				64	56	45		
Manganese* (ppm)				36	23	18		
Copper* (ppm)				1.20	1.05	0.57		
Zinc* (ppm)				4.81	2.67	2.77		
Aluminum* (ppm)				108	40	183		
OTHER TESTS	Soluble Salts (mmhos/cm)							
	Chlorides (ppm)							

a - alkaline soil

* Mehlich III Extractable

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Sample Location			ELDORADO		TEE	FAIRWAY	GREEN		
Sample Identification					9	9	9		
Lab Number					0115-1	0116-1	0117-1		
Total Exchange Capacity (ME/100 g)					21.39	24.34	8.06		
pH (H ₂ O 1:1)					a 7.9	a 8.0	a 7.8		
Organic Matter (360°C LOI) %					0.77	0.67	2.01		
Estimated Nitrogen Release lb/A					31	27	60		
ANIONS	SOLUBLE SULFUR* ppm				205	119	35		
	PHOSPHORUS	MEHLICH III	lb/A	P as P ₂ O ₅	389	202	119		
				ppm of P	85	44	26		
		BRAY II	lb/A	P as P ₂ O ₅	1420	948	298		
				ppm of P	310	207	65		
EXCHANGEABLE CATIONS	CALCIUM*		lb/A	6192	7502	1266			
			ppm	3096	3751	633			
	MAGNESIUM*		lb/A	648	660	238			
			ppm	324	330	119			
	POTASSIUM*		lb/A	752	596	1462			
			ppm	376	298	731			
	SODIUM*		lb/A	688	572	800			
			ppm	344	286	400			
BASE SATURATION PERCENT									
	Calcium	%		72.37	77.05	39.27			
	Magnesium	%		12.62	11.30	12.30			
	Potassium	%		4.51	3.14	23.26			
	Sodium	%		6.99	5.11	21.58			
	Other Bases	%		3.50	3.40	3.60			
	Hydrogen	%		0.00	0.00	0.00			
EXTRACTABLE MINORS									
	Boron* (ppm)			0.65	0.60	0.53			
	Iron* (ppm)			52	48	42			
	Manganese* (ppm)			32	26	20			
	Copper* (ppm)			1.25	0.89	0.55			
	Zinc* (ppm)			1.96	0.77	1.42			
	Aluminum* (ppm)			203	130	180			
OTHER TESTS	Soluble Salts (mmhos/cm)								
	Chlorides (ppm)								

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Sample Location			COYOTE RUN	TEE	FAIRWAY	GREEN		
Sample Identification				9	9	9		
Lab Number				0118-1	0119-1	0120-1		
Total Exchange Capacity (ME/100 g)				56.83	40.38	7.43		
pH (H ₂ O 1:1)				7.3	a 7.8	a 7.6		
Organic Matter (360°C LOI) %				1.40	1.96	2.09		
Estimated Nitrogen Release lb/A				48	59	62		
ANIONS	SOLUBLE SULFUR* ppm			3776	281	35		
	PHOSPHORUS	MEHLICH III lb/A P as P ₂ O ₅	ppm of P	302	229	82		
				66	50	18		
		BRAY II lb/A P as P ₂ O ₅	ppm of P	664	609	321		
				145	133	70		
	OLSEN lb/A P as P ₂ O ₅	ppm of P						
EXCHANGEABLE CATIONS	CALCIUM*		lb/A	19126	13144	1152		
			ppm	9563	6572	576		
	MAGNESIUM*		lb/A	814	864	180		
			ppm	407	432	90		
	POTASSIUM*		lb/A	862	608	1456		
			ppm	431	304	728		
	SODIUM*		lb/A	1008	774	760		
			ppm	504	387	380		
BASE SATURATION PERCENT								
Calcium %				84.14	81.38	38.76		
Magnesium %				5.97	8.92	10.09		
Potassium %				1.94	1.93	25.12		
Sodium %				3.86	4.17	22.24		
Other Bases %				4.10	3.60	3.80		
Hydrogen %				0.00	0.00	0.00		
EXTRACTABLE MINORS								
Boron* (ppm)				0.84	0.91	0.63		
Iron* (ppm)				57	51	29		
Manganese* (ppm)				19	21	13		
Copper* (ppm)				1.04	0.82	0.27		
Zinc* (ppm)				2.41	5.65	2.08		
Aluminum* (ppm)				103	58	174		
OTHER TESTS	Soluble Salts (mmhos/cm)							
	Chlorides (ppm)							

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