

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name Coyote Springs Golf Club City Coyote Springs State NV

Independent Consultant Soil and Water Consulting Date 9/30/2019

Sample Location TEE			7	16			
Sample Identification							
Lab Number			0359-1	0360-1			
Total Exchange Capacity (ME/100 g)			16.81	17.00			
pH (H ₂ O 1:1)			a 8.4	a 8.8			
Organic Matter (360°C LOI) %			1.93	1.45			
Estimated Nitrogen Release lb/A			59	49			
ANIONS	SOLUBLE SULFUR* ppm		19	23			
	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		55 12	96 21			
	CALCIUM* lb/A		4962	5020			
	ppm		2481	2510			
	MAGNESIUM* lb/A		620	646			
	ppm		310	323			
	POTASSIUM* lb/A		648	648			
	ppm		324	324			
	SODIUM* lb/A		226	224			
	ppm		113	112			
BASE SATURATION PERCENT							
Calcium %			73.80	73.82			
Magnesium %			15.37	15.83			
Potassium %			4.94	4.89			
Sodium %			2.92	2.86			
Other Bases %			3.00	2.60			
Hydrogen %			0.00	0.00			
EXTRACTABLE MINORS							
Boron** (ppm)			1.06	1.13			
Iron** (ppm)			34	16			
Manganese** (ppm)			23	13			
Copper** (ppm)			0.75	0.48			
Zinc** (ppm)			3.48	3.06			
Aluminum** (ppm)			16	5			
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)		< 0.5	0.5			
	NH ₄ -N (ppm)		4.8	3.9			

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name Coyote Springs Golf Club City Coyote Springs State NV

Independent Consultant Soil and Water Consulting Date 9/30/2019

Sample Location FAIRWAY			7	16			
Sample Identification							
Lab Number			0361-1	0362-1			
Total Exchange Capacity (ME/100 g)			16.03	16.25			
pH (H ₂ O 1:1)			a 8.5	a 9.1			
Organic Matter (360°C LOI) %			1.84	1.62			
Estimated Nitrogen Release lb/A			57	52			
ANIONS	SOLUBLE SULFUR* ppm		38	26			
	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	188 41			
	CALCIUM* lb/A ppm		4752 2376	4696 2348			
	MAGNESIUM* lb/A ppm		582 291	650 325			
	POTASSIUM* lb/A ppm		558 279	612 306			
	SODIUM* lb/A ppm		252 126	294 147			
BASE SATURATION PERCENT							
Calcium %			74.11	72.25			
Magnesium %			15.13	16.67			
Potassium %			4.46	4.83			
Sodium %			3.42	3.93			
Other Bases %			2.90	2.30			
Hydrogen %			0.00	0.00			
EXTRACTABLE MINORS							
Boron** (ppm)			1.00	1.55			
Iron** (ppm)			15	14			
Manganese** (ppm)			14	12			
Copper** (ppm)			0.43	0.37			
Zinc** (ppm)			2.05	2.60			
Aluminum** (ppm)			5	5			
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)		< 0.5	0.6			
	NH ₄ -N (ppm)		5.2	4.8			

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name Coyote Springs Golf Club City Coyote Springs State NV

Independent Consultant Soil and Water Consulting Date 9/30/2019

Sample Location <u>GREEN</u>			7	16			
Sample Identification							
Lab Number			0363-1	0364-1			
Total Exchange Capacity (ME/100 g)			9.95	8.47			
pH (H ₂ O 1:1)			a 9.0	a 9.0			
Organic Matter (360°C LOI) %			0.84	1.23			
Estimated Nitrogen Release lb/A			34	45			
ANIONS	SOLUBLE SULFUR* ppm		48	34			
	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		110 24	92 20			
	CALCIUM* lb/A ppm		3064 1532	2608 1304			
	MAGNESIUM* lb/A ppm		296 148	270 135			
	POTASSIUM* lb/A ppm		268 134	198 99			
	SODIUM* lb/A ppm		218 109	168 84			
BASE SATURATION PERCENT							
Calcium %			76.98	76.98			
Magnesium %			12.40	13.28			
Potassium %			3.45	3.00			
Sodium %			4.76	4.31			
Other Bases %			2.40	2.40			
Hydrogen %			0.00	0.00			
EXTRACTABLE MINORS							
Boron** (ppm)			1.06	1.13			
Iron** (ppm)			38	45			
Manganese** (ppm)			49	74			
Copper** (ppm)			1.87	2.01			
Zinc** (ppm)			7.38	9.33			
Aluminum** (ppm)			62	101			
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)		1.3	0.5			
	NH ₄ -N (ppm)		2.5	2.0			

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable