

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name The Summit City Las Vegas State NV

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

Sample Location <u>GREEN</u>		2	9	18		
Sample Identification						
Lab Number		0329-1	0330-1	0331-1		
Total Exchange Capacity (ME/100 g)		5.79	6.03	5.23		
pH (H ₂ O 1:1)		a 8.1	a 7.8	a 8.1		
Organic Matter (360°C LOI) %		1.18	0.98	0.82		
Estimated Nitrogen Release lb/A		44	39	33		
ANIONS	SOLUBLE SULFUR* ppm	18	18	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					
	OLSEN lb/A P as P ₂ O ₅ ppm of P	87 19	27 6	27 6		
EXCHANGEABLE CATIONS	CALCIUM* lb/A ppm	1756 878	1872 936	1596 798		
	MAGNESIUM* lb/A ppm	208 104	196 98	182 91		
	POTASSIUM* lb/A ppm	112 56	74 37	76 38		
	SODIUM* lb/A ppm	92 46	102 51	96 48		
BASE SATURATION PERCENT						
Calcium %		75.82	77.61	76.29		
Magnesium %		14.97	13.54	14.50		
Potassium %		2.48	1.57	1.86		
Sodium %		3.45	3.68	3.99		
Other Bases %		3.30	3.60	3.30		
Hydrogen %		0.00	0.00	0.00		
EXTRACTABLE MINORS						
Boron** (ppm)		0.69	0.49	1.30		
Iron** (ppm)		47	59	45		
Manganese** (ppm)		10	15	16		
Copper** (ppm)		0.34	0.46	0.33		
Zinc** (ppm)		1.39	0.65	0.53		
Aluminum** (ppm)		56	54	41		
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)	< 0.5	< 0.5	< 0.5		
	NH ₄ -N (ppm)	1.7	2.1	1.3		

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable