

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

Name The Summit City Las Vegas State NV

Independent Consultant Soil and Water Consulting Date 8/26/2016

Sample Location <u>HOLE #3</u>			NATIVE	NATIVE	JEAN	JEAN	
Sample Identification			A	B	A	B	
Lab Number			0166-1	0167-1	0168-1	0169-1	
Total Exchange Capacity (ME/100 g)			71.19	32.54	8.98	5.15	
pH (H ₂ O 1:1)			a 8.0	a 8.1	a 8.6	a 8.8	
Organic Matter (humus) %			0.85	0.70	0.18	0.12	
Estimated Nitrogen Release lb/A			34	28	7	5	
ANIONS	SOLUBLE SULFUR* ppm		8602	2762	216	83	
	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		14 3	32 7	37 8	9 2	
	CALCIUM* lb/A ppm		26158 13079	11704 5852	3004 1502	1662 831	
	MAGNESIUM* lb/A ppm		432 216	342 171	190 95	142 71	
	POTASSIUM* lb/A ppm		264 132	280 140	80 40	44 22	
	SODIUM* lb/A ppm		570 285	194 97	148 74	96 48	
BASE SATURATION PERCENT							
Calcium %			91.86	89.92	83.63	80.68	
Magnesium %			2.53	4.38	8.82	11.49	
Potassium %			0.48	1.10	1.14	1.10	
Sodium %			1.74	1.30	3.58	4.05	
Other Bases %			3.40	3.30	2.80	2.60	
Hydrogen %			0.00	0.00	0.00	0.00	
EXTRACTABLE MINORS							
Boron M3 (ppm)							
Iron** (ppm)			2	2	1	1	
Manganese** (ppm)			< 1	< 1	< 1	< 1	
Copper** (ppm)			< 0.2	< 0.2	< 0.2	< 0.2	
Zinc** (ppm)			0.49	0.43	< 0.4	< 0.4	
Aluminum (ppm)							
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** DTPA Extractable