

1b/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

37202-1

Name McDonald Ranch City Las Vegas State NV

Independent Consultant Sierra Pacific Turf Services Date 06/17/1999

Sample Location			NEVADA READYMIX	SAND				
Sample Identification				SAND				
Lab Number				0228-1				
Total Exchange Capacity (ME/100 g)				102.55				
pH (H ₂ O 1:1)				8.7				
Organic Matter (360°C LOI) %				< 0.10				
Estimated Nitrogen Release lb/A				4				
ANIONS	SOLUBLE SULFUR*							
			ppm	35				
	PHOSPHORUS	MEHLICH III	lb/A P as P ₂ O ₅	32				
				ppm of P	7			
		BRAY II	lb/A P as P ₂ O ₅	46				
				ppm of P	10			
EXCHANGABLE CATIONS	CALCIUM*	lb/A	34592					
		ppm	17296					
	MAGNESIUM*	lb/A	3140					
		ppm	1570					
	POTASSIUM*	lb/A	118					
		ppm	59					
	SODIUM*	lb/A	30					
		ppm	15					
BASE SATURATION PERCENT								
Calcium %				84.33				
Magnesium %				12.76				
Potassium %				0.15				
Sodium %				0.06				
Other Bases %				2.70				
Hydrogen %				0.00				
EXTRACTABLE MINORS								
Boron* (ppm)				0.21				
Iron* (ppm)				13				
Manganese* (ppm)				3				
Copper* (ppm)				0.94				
Zinc* (ppm)				0.59				
Aluminum* (ppm)				28				
OTHER TESTS	Soluble Salts (mmhos/cm)							
	Chlorides (ppm)							
	NO ₃ -N (ppm)			1.7				
	NH ₄ -N (ppm)			0.5				

a - alkaline

* Mehlich III Extractable