

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

80046-15

Name Western Golf Properties City Lake Forest State CAIndependent Consultant Soil and Water Consulting Date 6/25/2021

Sample Location	YUCAIPA VALLEY GC					FAIRWAY
Sample Identification						12
Lab Number						1227-1
Total Exchange Capacity (ME/100 g)						12.55
pH (H ₂ O 1:1)						a 7.7
Organic Matter (360°C LOI) %						3.11
Estimated Nitrogen Release lb/A						81
ANIONS	SOLUBLE SULFUR*	ppm				83
	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				41 9
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm				3186 1593
	MAGNESIUM*	lb/A ppm				610 305
	POTASSIUM*	lb/A ppm				252 126
	SODIUM*	lb/A ppm				576 288
BASE SATURATION PERCENT						
	Calcium	%				63.47
	Magnesium	%				20.25
	Potassium	%				2.57
	Sodium	%				9.98
	Other Bases	%				3.70
	Hydrogen	%				0.00
EXTRACTABLE MINORS						
	Boron** (ppm)					1.21
	Iron** (ppm)					297
	Manganese** (ppm)					29
	Copper** (ppm)					2.61
	Zinc** (ppm)					3.92
	Aluminum** (ppm)					334
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)					1.8
	NH ₄ -N (ppm)					3.4

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

lb/A

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SOIL AUDIT AND INVENTORY REPORT

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 Name Western Golf Properties City Lake Forest State CA

 Independent Consultant Soil and Water Consulting Date 6/25/2021

Sample Location	YUCAIPA VALLEY GC				GREEN	
Sample Identification					14	
Lab Number					1228-1	
Total Exchange Capacity (ME/100 g)					7.41	
pH (H ₂ O 1:1)					7.1	
Organic Matter (360°C LOI) %					2.21	
Estimated Nitrogen Release lb/A					64	
ANIONS	SOLUBLE SULFUR*	ppm			129	
	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			101 22	
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm			1916 958	
	MAGNESIUM*	lb/A ppm			298 149	
	POTASSIUM*	lb/A ppm			312 156	
	SODIUM*	lb/A ppm			304 152	
BASE SATURATION PERCENT						
	Calcium	%			64.64	
	Magnesium	%			16.76	
	Potassium	%			5.40	
	Sodium	%			8.92	
	Other Bases	%			4.30	
	Hydrogen	%			0.00	
EXTRACTABLE MINORS						
	Boron** (ppm)				0.80	
	Iron** (ppm)				324	
	Manganese** (ppm)				28	
	Copper** (ppm)				2.57	
	Zinc** (ppm)				10.04	
	Aluminum** (ppm)				75	
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)				3.6	
	NH ₄ -N (ppm)				3.3	

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable