

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

80046-45

Name Western Golf Properties City Lake Forest State CAIndependent Consultant Soil and Water Consulting Date 6/26/2025

Sample Location	YUCAIPA VALLEY GC	TEE	TEE	TEE		
Sample Identification		2	10	17		
Lab Number		1240-1	1241-1	1242-1		
Total Exchange Capacity (ME/100 g)		7.80	8.01	8.18		
pH (H ₂ O 1:1)		a 7.4	7.2	a 7.4		
Organic Matter (360°C LOI) %		3.32	3.61	6.49		
Estimated Nitrogen Release lb/A		83	86	107		
ANIONS	SOLUBLE SULFUR* ppm	43	43	55		
	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	115 25	87 19	41 9		
EXCHANGEABLE CATIONS	CALCIUM* lb/A	2004	2122	2176		
	ppm	1002	1061	1088		
	MAGNESIUM* lb/A	390	404	408		
	ppm	195	202	204		
	POTASSIUM* lb/A	184	172	154		
	ppm	92	86	77		
	SODIUM* lb/A	282	214	236		
	ppm	141	107	118		
BASE SATURATION PERCENT						
	Calcium %	64.23	66.23	66.50		
	Magnesium %	20.83	21.02	20.78		
	Potassium %	3.02	2.75	2.41		
	Sodium %	7.86	5.81	6.27		
	Other Bases %	4.00	4.20	4.00		
	Hydrogen %	0.00	0.00	0.00		
EXTRACTABLE MINORS						
	Boron M3 (ppm)					
	Iron** (ppm)	44	38	39		
	Manganese** (ppm)	< 1	< 1	< 1		
	Copper** (ppm)	1.41	0.96	0.90		
	Zinc** (ppm)	3.67	4.41	3.56		
	Aluminum (ppm)					
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

a - alkaline soil

* Ammonium Acetate Extractable (pH of 8.1)

** DTPA Extractable

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Sample Location		YUCAIPA VALLEY GC	FAIRWAY	FAIRWAY	FAIRWAY		
Sample Identification			2	10	17		
Lab Number			1243-1	1244-1	1245-1		
Total Exchange Capacity (ME/100 g)			15.40	10.44	11.59		
pH (H ₂ O 1:1)			a 8.0	a 7.8	a 7.9		
Organic Matter (360°C LOI) %			4.28	3.42	3.39		
Estimated Nitrogen Release lb/A			93	84	84		
ANIONS	SOLUBLE SULFUR*	ppm	53	50	51		
	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	46 10	23 5	101 22		
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	3906 1953	2700 1350	3042 1521		
	MAGNESIUM*	lb/A ppm	796 398	510 255	562 281		
	POTASSIUM*	lb/A ppm	186 93	232 116	292 146		
	SODIUM*	lb/A ppm	716 358	412 206	396 198		
BASE SATURATION PERCENT							
Calcium		%	63.41	64.66	65.62		
Magnesium		%	21.54	20.35	20.20		
Potassium		%	1.55	2.85	3.23		
Sodium		%	10.11	8.58	7.43		
Other Bases		%	3.40	3.60	3.50		
Hydrogen		%	0.00	0.00	0.00		
EXTRACTABLE MINORS							
Boron M3 (ppm)							
Iron** (ppm)			32	22	27		
Manganese** (ppm)			2	1	1		
Copper** (ppm)			1.33	0.74	0.98		
Zinc** (ppm)			2.51	2.94	2.16		
Aluminum (ppm)							
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						

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Sample Location	YUCAIPA VALLEY GC	GREEN	GREEN	GREEN	GREEN	
Sample Identification		2	5	10	17	
Lab Number		1246-1	1247-1	1248-1	1249-1	
Total Exchange Capacity (ME/100 g)		7.95	5.99	6.33	5.88	
pH (H ₂ O 1:1)		a 7.8	a 7.5	a 7.7	7.3	
Organic Matter (360°C LOI) %		1.47	2.54	2.31	2.04	
Estimated Nitrogen Release lb/A		49	71	66	61	
ANIONS	SOLUBLE SULFUR* ppm	41	36	50	42	
	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	151 33	96 21	115 25	165 36	
EXCHANGEABLE CATIONS	CALCIUM* lb/A	2480	1634	1742	1618	
	ppm	1240	817	871	809	
	MAGNESIUM* lb/A	194	220	232	216	
	ppm	97	110	116	108	
	POTASSIUM* lb/A	234	246	264	222	
	ppm	117	123	132	111	
	SODIUM* lb/A	162	200	202	188	
	ppm	81	100	101	94	
BASE SATURATION PERCENT						
	Calcium %	77.99	68.20	68.80	68.79	
	Magnesium %	10.17	15.30	15.27	15.31	
	Potassium %	3.77	5.27	5.35	4.84	
	Sodium %	4.43	7.26	6.94	6.95	
	Other Bases %	3.60	3.90	3.70	4.10	
	Hydrogen %	0.00	0.00	0.00	0.00	
EXTRACTABLE MINORS						
	Boron M3 (ppm)					
	Iron** (ppm)	14	21	23	23	
	Manganese** (ppm)	< 1	1	1	1	
	Copper** (ppm)	0.93	2.05	2.22	2.12	
	Zinc** (ppm)	4.10	7.04	6.92	6.73	
	Aluminum (ppm)					
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					

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