

lb/A

BROOKSIDE LABORATORIES, INC.

91413-1

SOIL AUDIT AND INVENTORY REPORT

Name Porter Valley Country Club City Northridge State CAIndependent Consultant Soil and Water Consulting Date 2/22/2024

Sample Location	TEE	4	9	14		
Sample Identification						
Lab Number		0849-1	0850-1	0851-1		
Total Exchange Capacity (ME/100 g)		9.59	10.51	14.01		
pH (H ₂ O 1:1)		6.7	5.8	7.1		
Organic Matter (360°C LOI) %		3.42	3.98	10.65		
Estimated Nitrogen Release	lb/A	84	90	125		
ANIONS	SOLUBLE SULFUR*	ppm	38	10	22	
	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	266 58	293 64	87 19	
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	2734 1367	2370 1185	3798 1899	
	MAGNESIUM*	lb/A ppm	302 151	288 144	654 327	
	POTASSIUM*	lb/A ppm	238 119	302 151	540 270	
	SODIUM*	lb/A ppm	142 71	84 42	226 113	
BASE SATURATION PERCENT						
	Calcium	%	71.27	56.37	67.77	
	Magnesium	%	13.12	11.42	19.45	
	Potassium	%	3.18	3.68	4.94	
	Sodium	%	3.22	1.74	3.51	
	Other Bases	%	4.70	5.80	4.30	
	Hydrogen	%	4.50	21.00	0.00	
EXTRACTABLE MINORS						
	Boron** (ppm)		1.24	0.83	1.93	
	Iron** (ppm)		374	487	352	
	Manganese** (ppm)		8	9	10	
	Copper** (ppm)		2.59	1.95	2.69	
	Zinc** (ppm)		18.50	19.21	14.58	
	Aluminum** (ppm)		203	277	162	
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		6.8	3.8	8.4	
	NH ₄ -N (ppm)		4.2	5.2	4.0	

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

lb/A

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Sample Location	FAIRWAY	4	9	14		
Sample Identification						
Lab Number		0852-1	0853-1	0854-1		
Total Exchange Capacity (ME/100 g)		18.94	14.17	14.03		
pH (H ₂ O 1:1)	a	7.8	7.0	7.1		
Organic Matter (360°C LOI) %		7.82	12.95	11.28		
Estimated Nitrogen Release lb/A		114	126	126		
ANIONS	SOLUBLE SULFUR*	ppm	32	12	22	
	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	55 12	133 29	105 23	
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	5666 2833	3748 1874	3820 1910	
	MAGNESIUM*	lb/A ppm	622 311	700 350	644 322	
	POTASSIUM*	lb/A ppm	676 338	666 333	540 270	
	SODIUM*	lb/A ppm	292 146	188 94	230 115	
BASE SATURATION PERCENT						
	Calcium	%	74.79	66.13	68.07	
	Magnesium	%	13.68	20.58	19.13	
	Potassium	%	4.58	6.03	4.93	
	Sodium	%	3.35	2.88	3.56	
	Other Bases	%	3.60	4.40	4.30	
	Hydrogen	%	0.00	0.00	0.00	
EXTRACTABLE MINORS						
	Boron** (ppm)		2.66	1.68	1.88	
	Iron** (ppm)		171	272	328	
	Manganese** (ppm)		29	12	10	
	Copper** (ppm)		3.94	2.31	2.54	
	Zinc** (ppm)		11.40	14.87	15.27	
	Aluminum** (ppm)		65	100	154	
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		14.3	9.9	9.0	
	NH ₄ -N (ppm)		6.8	6.9	6.2	

a - alkaline soil

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Name Porter Valley Country Club City Northridge State CAIndependent Consultant Soil and Water Consulting Date 2/22/2024

Sample Location	GREEN	4	9	14		
Sample Identification						
Lab Number		0855-1	0856-1	0857-1		
Total Exchange Capacity (ME/100 g)		2.28	4.07	4.33		
pH (H ₂ O 1:1)		6.4	7.2	7.2		
Organic Matter (360°C LOI) %		1.03	0.84	0.95		
Estimated Nitrogen Release lb/A		41	34	38		
ANIONS	SOLUBLE SULFUR*	ppm	5	4	3	
	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	60 13	32 7	37 8	
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	616 308	1358 679	1470 735	
	MAGNESIUM*	lb/A ppm	76 38	94 47	84 42	
	POTASSIUM*	lb/A ppm	48 24	38 19	48 24	
	SODIUM*	lb/A ppm	20 10	30 15	30 15	
BASE SATURATION PERCENT						
	Calcium	%	67.54	83.42	84.87	
	Magnesium	%	13.89	9.62	8.08	
	Potassium	%	2.70	1.20	1.42	
	Sodium	%	1.91	1.60	1.51	
	Other Bases	%	5.00	4.20	4.20	
	Hydrogen	%	9.00	0.00	0.00	
EXTRACTABLE MINORS						
	Boron** (ppm)		< 0.20	0.63	0.80	
	Iron** (ppm)		134	124	141	
	Manganese** (ppm)		35	56	70	
	Copper** (ppm)		1.32	1.78	1.10	
	Zinc** (ppm)		6.81	6.06	5.66	
	Aluminum** (ppm)		158	63	66	
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		0.6	1.6	1.6	
	NH ₄ -N (ppm)		3.7	3.4	2.6	

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** Mehlich III Extractable