

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

91413-3

Name Porter Valley Country Club City Northridge State CAIndependent Consultant Soil and Water Consulting Date 5/6/2025

Sample Location	TEE	1	5	18		
Sample Identification						
Lab Number		2611-1	2612-1	2613-1		
Total Exchange Capacity (ME/100 g)		9.56	12.17	10.41		
pH (H ₂ O 1:1)		6.4	6.2	5.8		
Organic Matter (360°C LOI) %		3.75	4.56	2.83		
Estimated Nitrogen Release	lb/A	88	96	77		
ANIONS	SOLUBLE SULFUR*	ppm	58	27	28	
	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	412 90	247 54	197 43	
EXCHANGEABLE CATIONS	CALCIUM*	lb/A	2512	2992	2270	
		ppm	1256	1496	1135	
	MAGNESIUM*	lb/A	264	412	298	
		ppm	132	206	149	
	POTASSIUM*	lb/A	340	354	282	
		ppm	170	177	141	
	SODIUM*	lb/A	188	196	158	
		ppm	94	98	79	
BASE SATURATION PERCENT						
	Calcium	%	65.69	61.46	54.51	
	Magnesium	%	11.51	14.11	11.93	
	Potassium	%	4.56	3.73	3.47	
	Sodium	%	4.28	3.50	3.30	
	Other Bases	%	5.00	5.20	5.80	
	Hydrogen	%	9.00	12.00	21.00	
EXTRACTABLE MINORS						
	Boron** (ppm)		1.13	1.04	0.88	
	Iron** (ppm)		460	493	464	
	Manganese** (ppm)		20	12	11	
	Copper** (ppm)		1.91	4.58	1.39	
	Zinc** (ppm)		13.49	25.10	12.28	
	Aluminum** (ppm)		102	262	217	
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		6.7	8.3	8.0	
	NH ₄ -N (ppm)		3.4	3.4	4.1	

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

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Sample Location		FAIRWAY	1	5	18		
Sample Identification							
Lab Number			2614-1	2615-1	2616-1		
Total Exchange Capacity (ME/100 g)			21.21	21.22	22.41		
pH (H ₂ O 1:1)			6.6	6.6	7.2		
Organic Matter (360°C LOI) %			10.95	9.32	10.37		
Estimated Nitrogen Release		lb/A	125	122	125		
ANIONS	SOLUBLE SULFUR*	ppm	32	31	107		
	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	147 32	229 50	128 28		
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	5324 2662	5170 2585	6130 3065		
	MAGNESIUM*	lb/A ppm	914 457	952 476	888 444		
	POTASSIUM*	lb/A ppm	962 481	1118 559	896 448		
	SODIUM*	lb/A ppm	262 131	278 139	594 297		
BASE SATURATION PERCENT							
	Calcium	%	62.75	60.91	68.38		
	Magnesium	%	17.96	18.69	16.51		
	Potassium	%	5.81	6.75	5.13		
	Sodium	%	2.69	2.85	5.76		
	Other Bases	%	4.80	4.80	4.20		
	Hydrogen	%	6.00	6.00	0.00		
EXTRACTABLE MINORS							
	Boron** (ppm)		2.02	2.25	4.06		
	Iron** (ppm)		415	305	298		
	Manganese** (ppm)		9	11	11		
	Copper** (ppm)		3.15	2.85	3.95		
	Zinc** (ppm)		20.62	16.94	23.71		
	Aluminum** (ppm)		127	134	20		
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)		26.5	24.7	23.6		
	NH ₄ -N (ppm)		7.4	6.6	5.7		

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Sample Location		GREEN	1	5	18		
Sample Identification							
Lab Number			2617-1	2618-1	2619-1		
Total Exchange Capacity (ME/100 g)			4.64	4.44	4.66		
pH (H ₂ O 1:1)			7.1	7.3	7.2		
Organic Matter (360°C LOI) %			1.23	1.08	1.04		
Estimated Nitrogen Release		lb/A	45	42	41		
ANIONS	SOLUBLE SULFUR*	ppm	21	22	20		
	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	23 5	82 18	37 8		
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	1448 724	1414 707	1474 737		
	MAGNESIUM*	lb/A ppm	136 68	122 61	130 65		
	POTASSIUM*	lb/A ppm	48 24	40 20	44 22		
	SODIUM*	lb/A ppm	90 45	76 38	84 42		
BASE SATURATION PERCENT							
	Calcium	%	78.02	79.62	79.08		
	Magnesium	%	12.21	11.45	11.62		
	Potassium	%	1.33	1.16	1.21		
	Sodium	%	4.22	3.72	3.92		
	Other Bases	%	4.30	4.10	4.20		
	Hydrogen	%	0.00	0.00	0.00		
EXTRACTABLE MINORS							
	Boron** (ppm)		0.86	0.71	0.84		
	Iron** (ppm)		159	140	160		
	Manganese** (ppm)		57	61	56		
	Copper** (ppm)		1.48	1.11	0.90		
	Zinc** (ppm)		6.93	7.54	7.18		
	Aluminum** (ppm)		62	63	64		
OTHER TESTS	Soluble Salts (mmhos/cm)						
	Chlorides (ppm)						
	NO ₃ -N (ppm)		3.3	2.5	3.1		
	NH ₄ -N (ppm)		1.3	1.4	1.5		

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