

lb/A

BROOKSIDE LABORATORIES, INC.

SOIL AUDIT AND INVENTORY REPORT

91413-2

Name Porter Valley Country Club City Northridge State CA

Independent Consultant Soil and Water Consulting Date 10/29/2024

Sample Location			TEE	2	10	17		
Sample Identification								
Lab Number				1171-1	1172-1	1174-1		
Total Exchange Capacity (ME/100 g)				11.98	9.31	11.73		
pH (H ₂ O 1:1)				5.6	6.0	5.8		
Organic Matter (360°C LOI) %				4.09	2.76	3.80		
Estimated Nitrogen Release lb/A				91	75	88		
ANIONS	SOLUBLE SULFUR* ppm			73	69	87		
	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	394 86	188 41	302 66			
EXCHANGEABLE CATIONS	CALCIUM*		lb/A	2402	2240	2596		
			ppm	1201	1120	1298		
	MAGNESIUM*		lb/A	292	262	296		
			ppm	146	131	148		
	POTASSIUM*		lb/A	330	268	352		
			ppm	165	134	176		
	SODIUM*		lb/A	164	174	190		
			ppm	82	87	95		
BASE SATURATION PERCENT								
Calcium %				50.13	60.15	55.33		
Magnesium %				10.16	11.73	10.51		
Potassium %				3.53	3.69	3.85		
Sodium %				2.98	4.06	3.52		
Other Bases %				6.20	5.40	5.80		
Hydrogen %				27.00	15.00	21.00		
EXTRACTABLE MINORS								
Boron** (ppm)				1.05	1.16	1.08		
Iron** (ppm)				497	348	514		
Manganese** (ppm)				15	14	12		
Copper** (ppm)				2.63	1.29	2.05		
Zinc** (ppm)				25.12	9.20	18.88		
Aluminum** (ppm)				277	153	191		
OTHER TESTS	Soluble Salts (mmhos/cm)							
	Chlorides (ppm)							
	NO3-N (ppm)			46.9	32.0	51.0		
	NH4-N (ppm)			10.0	7.5	5.1		

* Ammonium Acetate Extractable (pH of 8.1)

** Mehlich III Extractable

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Sample Location			FAIRWAY	2	10	17		
Sample Identification								
Lab Number				1175-1	1176-1	1177-1		
Total Exchange Capacity (ME/100 g)				21.19	19.26	17.92		
pH (H ₂ O 1:1)				7.3	7.0	6.8		
Organic Matter (360°C LOI) %				9.00	12.50	6.54		
Estimated Nitrogen Release lb/A				120	126	108		
ANIONS	SOLUBLE SULFUR* ppm			58	78	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	165 36	151 33	160 35			
EXCHANGEABLE CATIONS	CALCIUM*		lb/A	6014	5004	4642		
			ppm	3007	2502	2321		
	MAGNESIUM*		lb/A	850	896	812		
			ppm	425	448	406		
	POTASSIUM*		lb/A	738	960	756		
			ppm	369	480	378		
	SODIUM*		lb/A	368	432	278		
			ppm	184	216	139		
BASE SATURATION PERCENT								
Calcium %				70.95	64.95	64.76		
Magnesium %				16.71	19.38	18.88		
Potassium %				4.47	6.39	5.41		
Sodium %				3.78	4.88	3.37		
Other Bases %				4.10	4.40	4.60		
Hydrogen %				0.00	0.00	3.00		
EXTRACTABLE MINORS								
Boron** (ppm)				2.13	2.74	1.80		
Iron** (ppm)				328	333	427		
Manganese** (ppm)				13	10	7		
Copper** (ppm)				3.46	3.70	2.76		
Zinc** (ppm)				20.86	14.96	15.87		
Aluminum** (ppm)				99	126	138		
OTHER TESTS	Soluble Salts (mmhos/cm)							
	Chlorides (ppm)							
	NO3-N (ppm)			13.5	26.8	9.9		
	NH4-N (ppm)			3.1	4.5	3.9		

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Name Porter Valley Country Club City Northridge State CAIndependent Consultant Soil and Water Consulting Date 10/29/2024

Sample Location	GREEN	2	10	17		
Sample Identification						
Lab Number		1178-1	1179-1	1180-1		
Total Exchange Capacity (ME/100 g)		4.38	4.96	4.89		
pH (H ₂ O 1:1)		a 7.4	a 7.5	a 7.6		
Organic Matter (360°C LOI) %		0.86	0.90	0.97		
Estimated Nitrogen Release lb/A		34	36	39		
ANIONS	SOLUBLE SULFUR*	ppm	16	14	15	
	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	87 19	105 23	
EXCHANGEABLE CATIONS	CALCIUM*	lb/A ppm	1376 688	1558 779	1544 772	
	MAGNESIUM*	lb/A ppm	106 53	124 62	116 58	
	POTASSIUM*	lb/A ppm	94 47	104 52	108 54	
	SODIUM*	lb/A ppm	92 46	100 50	104 52	
BASE SATURATION PERCENT						
	Calcium	%	78.54	78.53	78.94	
	Magnesium	%	10.08	10.42	9.88	
	Potassium	%	2.75	2.69	2.83	
	Sodium	%	4.57	4.38	4.62	
	Other Bases	%	4.00	3.90	3.80	
	Hydrogen	%	0.00	0.00	0.00	
EXTRACTABLE MINORS						
	Boron** (ppm)		1.02	0.82	1.05	
	Iron** (ppm)		187	145	225	
	Manganese** (ppm)		77	61	90	
	Copper** (ppm)		2.04	1.75	1.80	
	Zinc** (ppm)		8.12	6.20	10.52	
	Aluminum** (ppm)		76	72	93	
OTHER TESTS	Soluble Salts (mmhos/cm)					
	Chlorides (ppm)					
	NO ₃ -N (ppm)		2.9	2.1	2.5	
	NH ₄ -N (ppm)		< 0.5	< 0.5	< 0.5	

a - alkaline soil

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