

BROOKSIDE LABORATORIES, INC.

** WATER ANALYSIS REPORT **

Western Golf Properties
Lake Forest, CA

File Number: 80044
Date Received: 10/20/2023
Date Reported: 10/23/2023

Submitted By: Soil and Water Consulting

Lab Number	2339
Sample Location	SAN RAMON GC
Sample Description	POND
	POND #18

pH	7.43
Hardness (ppm)	210.15
Hardness (grains/gal)	12.29
Conductivity (mmhos/cm)	1.05
Sodium Adsorp. Ratio	4.52
Adjusted SAR	8.88
Adjusted RNa	5.54
pHc	7.43
Residual Sodium Carbonate (RSC)	1.61

		(ppm)	meq/l	lbs/ac in
Calcium	(Ca)	48.33	2.41	10.96
Magnesium	(Mg)	21.68	1.78	4.92
Potassium	(K)	3.40	0.09	0.77
Sodium	(Na)	150.42	6.54	34.12
Iron	(Fe)	0.13		0.03
Total Alkalinity	(CaCO ₃)	290.38		65.86
Carbonate	(CO ₃)	0.00		
Bicarbonate	(HCO ₃)	354.32	5.81	80.36
Hydroxide	(OH)	0.00		
Chloride	(Cl)	168.17	4.74	38.14
Sulfur as	(S04)	2.65	0.06	0.60
Salt Concentration	(TDS)	673.73		152.80
Boron	(B)	0.78		0.18

Manganese	(Mn)	< 0.020
Copper	(Cu)	< 0.020
Zinc	(Zn)	< 0.040
Aluminum	(Al)	< 0.200

Cation/Anion Ratio	1.02
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NO ₃ -N (ppm)	< 0.10
Total P (ppm)	< 0.20

Reviewed by:



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File Number: 80044
Date Received: 10/20/2023
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Submitted By: Soil and Water Consulting

Lab Number	2340
Sample Location	SAN RAMON GC
Sample Description	STREAM
	#9

pH	7.52
Hardness (ppm)	310.71
Hardness (grains/gal)	18.17
Conductivity (mmhos/cm)	1.00
Sodium Adsorp. Ratio	2.45
Adjusted SAR	5.45
Adjusted RNa	3.15
pHc	7.18
Residual Sodium Carbonate (RSC)	0.76

		(ppm)	meq/l	lbs/ac in
Calcium	(Ca)	73.13	3.65	16.59
Magnesium	(Mg)	31.08	2.56	7.05
Potassium	(K)	2.19	0.06	0.50
Sodium	(Na)	99.21	4.31	22.50
Iron	(Fe)	< 0.10		
Total Alkalinity	(CaCO ₃)	348.45		79.03
Carbonate	(CO ₃)	0.00		
Bicarbonate	(HCO ₃)	425.18	6.97	96.43
Hydroxide	(OH)	0.00		
Chloride	(Cl)	96.68	2.73	21.93
Sulfur as	(S04)	59.32	1.24	13.45
Salt Concentration	(TDS)	638.46		144.80
Boron	(B)	0.33		0.07

Manganese	(Mn)	< 0.020
Copper	(Cu)	< 0.020
Zinc	(Zn)	< 0.040
Aluminum	(Al)	< 0.200

Cation/Anion Ratio	0.96
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NO ₃ -N (ppm)	1.40
Total P (ppm)	< 0.20

Reviewed by:

