

BROOKSIDE LABORATORIES, INC.

** WATER ANALYSIS REPORT **

Western Golf Properties
Lake Forest, CA

File Number: 80044
Date Received: 10/22/2020
Date Reported: 10/23/2020

Submitted By: Soil and Water Consulting

Lab Number	2758
Sample Location	SAN RAMON GC
Sample Description	POND
	POND #18

pH	7.60
Hardness (ppm)	163.20
Hardness (grains/gal)	9.54
Conductivity (mmhos/cm)	1.17
Sodium Adsorp. Ratio	5.79
Adjusted SAR	9.71
Adjusted RNa	6.51
pHc	7.72
Residual Sodium Carbonate (RSC)	1.43

		(ppm)	meq/l	lbs/ac in
Calcium	(Ca)	30.90	1.54	7.01
Magnesium	(Mg)	20.84	1.71	4.73
Potassium	(K)	6.29	0.16	1.43
Sodium	(Na)	169.80	7.38	38.51
Iron	(Fe)	0.15		0.03
Total Alkalinity	(CaCO ₃)	234.43		53.17
Carbonate	(CO ₃)	0.00		
Bicarbonate	(HCO ₃)	286.05	4.69	64.88
Hydroxide	(OH)	0.00		
Chloride	(Cl)	199.14	5.62	45.16
Sulfur as	(S04)	3.14	0.07	0.71
Salt Concentration	(TDS)	748.48		169.76
Boron	(B)	1.09		0.25

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

Cation/Anion Ratio	1.04
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NO ₃ -N (ppm)	< 0.10
Total P (ppm)	< 0.20

Reviewed by:



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Lab Number	2759
Sample Location	SAN RAMON GC
Sample Description	STREAM
	#9

pH	7.83
Hardness (ppm)	320.46
Hardness (grains/gal)	18.74
Conductivity (mmhos/cm)	1.17
Sodium Adsorp. Ratio	2.90
Adjusted SAR	6.55
Adjusted RNa	3.73
pHc	7.14
Residual Sodium Carbonate (RSC)	1.43

		(ppm)	meq/l	lbs/ac in
Calcium	(Ca)	72.27	3.61	16.39
Magnesium	(Mg)	33.97	2.79	7.70
Potassium	(K)	6.95	0.18	1.58
Sodium	(Na)	119.30	5.19	27.06
Iron	(Fe)	< 0.10		
Total Alkalinity	(CaCO ₃)	391.51		88.79
Carbonate	(CO ₃)	0.00		
Bicarbonate	(HCO ₃)	477.72	7.83	108.35
Hydroxide	(OH)	0.00		
Chloride	(Cl)	98.21	2.77	22.27
Sulfur as	(S04)	74.34	1.55	16.86
Salt Concentration	(TDS)	750.91		170.31
Boron	(B)	0.35		0.08

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

Cation/Anion Ratio	0.97
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NO ₃ -N (ppm)	0.88
Total P (ppm)	< 0.20

Reviewed by:

