

BROOKSIDE LABORATORIES, INC.

** WATER ANALYSIS REPORT **

Western Golf Properties
Lake Forest, CA

File Number: 80044
Date Received: 9/20/2019
Date Reported: 9/23/2019

Submitted By: Soil and Water Consulting

Lab Number	2239
Sample Location	SAN RAMON GC
Sample Description	STREAM
	#9

pH	7.12
Hardness (ppm)	218.29
Hardness (grains/gal)	12.77
Conductivity (mmhos/cm)	0.68
Sodium Adsorp. Ratio	2.06
Adjusted SAR	4.10
Adjusted RNa	2.53
pHc	7.40
Residual Sodium Carbonate (RSC)	0.95

		(ppm)	meq/l	lbs/ac in
Calcium	(Ca)	52.98	2.64	12.02
Magnesium	(Mg)	20.85	1.71	4.73
Potassium	(K)	4.93	0.13	1.12
Sodium	(Na)	69.79	3.03	15.83
Iron	(Fe)	< 0.10		
Total Alkalinity	(CaCO3)	265.20		60.15
Carbonate	(CO3)	0.00		
Bicarbonate	(HCO3)	323.60	5.30	73.39
Hydroxide	(OH)	0.00		
Chloride	(Cl)	54.64	1.54	12.39
Sulfur as	(S04)	55.05	1.15	12.49
Salt Concentration	(TDS)	436.22		98.93
Boron	(B)	0.26		0.06

Cation/Anion Ratio	0.94
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Reviewed by:



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File Number: 80044
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Submitted By: Soil and Water Consulting

Lab Number	2240
Sample Location	SAN RAMON GC
Sample Description	POND
	POND #18

pH	8.50
Hardness (ppm)	253.70
Hardness (grains/gal)	14.84
Conductivity (mmhos/cm)	1.10
Sodium Adsorp. Ratio	4.05
Adjusted SAR	7.38
Adjusted RNa	4.38
pHc	7.58
Residual Sodium Carbonate (RSC)	2.01

		(ppm)	meq/l	lbs/ac in
Calcium	(Ca)	29.33	1.46	6.65
Magnesium	(Mg)	43.80	3.60	9.93
Potassium	(K)	5.05	0.13	1.15
Sodium	(Na)	148.10	6.44	33.59
Iron	(Fe)	< 0.10		
Total Alkalinity	(CaCO ₃)	354.00		80.29
Carbonate	(CO ₃)	38.89	1.30	8.82
Bicarbonate	(HCO ₃)	352.88	5.78	80.03
Hydroxide	(OH)	0.00		
Chloride	(Cl)	118.46	3.34	26.87
Sulfur as	(S04)	82.98	1.73	18.82
Salt Concentration	(TDS)	703.30		159.51
Boron	(B)	0.49		0.11

Cation/Anion Ratio	0.96
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Reviewed by:

