

BROOKSIDE LABORATORIES, INC.

** WATER ANALYSIS REPORT **

Western Golf Properties
Lake Forest, CA

File Number: 80044
Date Received: 10/5/2021
Date Reported: 10/6/2021

Submitted By: Soil and Water Consulting

Lab Number	2493
Sample Location	SAN RAMON GC
Sample Description	POND
	POND #18

pH		7.56
Hardness	(ppm)	203.03
Hardness	(grains/gal)	11.87
Conductivity	(mmhos/cm)	1.09
Sodium Adsorp. Ratio		4.80
Adjusted SAR		9.33
Adjusted RNa		5.88
pHc		7.45
Residual Sodium Carbonate (RSC)		1.62

		(ppm)	meq/l	lbs/ac in
Calcium	(Ca)	47.27	2.36	10.72
Magnesium	(Mg)	20.59	1.69	4.67
Potassium	(K)	2.03	0.05	0.46
Sodium	(Na)	157.00	6.83	35.61
Iron	(Fe)	0.14		0.03
Total Alkalinity	(CaCO3)	283.79		64.36
Carbonate	(CO3)	0.00		
Bicarbonate	(HCO3)	346.28	5.68	78.54
Hydroxide	(OH)	0.00		
Chloride	(Cl)	218.38	6.16	49.53
Sulfur as	(S04)	2.82	0.06	0.64
Salt Concentration	(TDS)	700.03		158.77
Boron	(B)	1.01		0.23

Manganese	(Mn)	0.081		0.018
Copper	(Cu)	< 0.020		
Zinc	(Zn)	< 0.040		
Aluminum	(Al)	< 0.200		

Cation/Anion Ratio	0.92
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NO3-N (ppm)	< 0.10
Total P (ppm)	< 0.20

Reviewed by:



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Lab Number	2494
Sample Location	SAN RAMON GC
Sample Description	STREAM
	#9

pH	7.62
Hardness (ppm)	288.38
Hardness (grains/gal)	16.86
Conductivity (mmhos/cm)	0.98
Sodium Adsorp. Ratio	2.88
Adjusted SAR	6.29
Adjusted RNa	3.66
pHc	7.22
Residual Sodium Carbonate (RSC)	1.26

		(ppm)	meq/l	lbs/ac in
Calcium	(Ca)	66.10	3.30	14.99
Magnesium	(Mg)	29.91	2.46	6.78
Potassium	(K)	2.37	0.06	0.54
Sodium	(Na)	112.40	4.89	25.49
Iron	(Fe)	0.12		0.03
Total Alkalinity	(CaCO ₃)	351.05		79.62
Carbonate	(CO ₃)	0.00		
Bicarbonate	(HCO ₃)	428.35	7.02	97.15
Hydroxide	(OH)	0.00		
Chloride	(Cl)	96.34	2.72	21.85
Sulfur as	(S04)	74.04	1.54	16.79
Salt Concentration	(TDS)	627.58		142.34
Boron	(B)	0.36		0.08

Manganese	(Mn)	0.034		0.008
Copper	(Cu)	< 0.020		
Zinc	(Zn)	< 0.040		
Aluminum	(Al)	< 0.200		

Cation/Anion Ratio	0.95
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NO ₃ -N (ppm)	0.93
Total P (ppm)	< 0.20

Reviewed by:

