

BROOKSIDE LABORATORIES, INC.

** WATER ANALYSIS REPORT **

San Ramon Golf Club
9430 Fircrest Lane
94582

File Number: 78605
Date Received: 9/15/2017
Date Reported: 9/18/2017

Submitted By: Soil and Water Consulting

Lab Number	2375
Sample Location	IRRIGATION WATER
Sample Description	POND
	Well

pH		7.66
Hardness	(ppm)	206.34
Hardness	(grains/gal)	12.07
Conductivity	(mmhos/cm)	1.20
Sodium Adsorp. Ratio		4.93
Adjusted SAR		9.44
Adjusted RNa		6.02
pHc		7.48
Residual Sodium Carbonate (RSC)		0.91

		(ppm)	meq/l	lbs/ac in
Calcium	(Ca)	49.91	2.49	11.32
Magnesium	(Mg)	19.81	1.63	4.49
Potassium	(K)	1.34	0.03	0.30
Sodium	(Na)	162.60	7.07	36.88
Iron	(Fe)	< 0.10		
Total Alkalinity	(CaCO3)	251.69		57.08
Carbonate	(CO3)	0.00		
Bicarbonate	(HCO3)	307.11	5.03	69.65
Hydroxide	(OH)	0.00		
Chloride	(Cl)	225.53	6.36	51.15
Sulfur as	(S04)	1.11	0.02	0.25
Salt Concentration	(TDS)	770.56		174.76
Boron	(B)	1.21		0.27

Manganese	(Mn)	0.023		0.005
Copper	(Cu)	< 0.020		
Zinc	(Zn)	< 0.040		
Aluminum	(Al)	< 0.200		

Cation/Anion Ratio	0.98
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NO3-N (ppm)	< 0.10
Total P (ppm)	< 0.20

Reviewed by:



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Lab Number	2376
Sample Location	IRRIGATION WATER
Sample Description	HOLE # 9 Stream

pH	7.91
Hardness (ppm)	374.30
Hardness (grains/gal)	21.89
Conductivity (mmhos/cm)	1.19
Sodium Adsorp. Ratio	2.66
Adjusted SAR	6.29
Adjusted RNa	3.54
pHc	7.03
Residual Sodium Carbonate (RSC)	0.87

		(ppm)	meq/l	lbs/ac in
Calcium	(Ca)	89.07	4.44	20.20
Magnesium	(Mg)	36.86	3.03	8.36
Potassium	(K)	2.17	0.06	0.49
Sodium	(Na)	118.20	5.14	26.81
Iron	(Fe)	< 0.10		
Total Alkalinity	(CaCO3)	417.10		94.60
Carbonate	(CO3)	0.00		
Bicarbonate	(HCO3)	508.94	8.34	115.43
Hydroxide	(OH)	0.00		
Chloride	(Cl)	104.00	2.93	23.59
Sulfur as	(S04)	66.21	1.38	15.02
Salt Concentration	(TDS)	760.96		172.59
Boron	(B)	0.39		0.09
Manganese	(Mn)	0.030		0.007
Copper	(Cu)	< 0.020		
Zinc	(Zn)	< 0.040		
Aluminum	(Al)	< 0.200		

Cation/Anion Ratio	1.00
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NO3-N (ppm)	1.11
Total P (ppm)	< 0.20

Reviewed by:

