

BROOKSIDE LABORATORIES, INC.

** WATER ANALYSIS REPORT **

Canyon Gate Country Club
2001 Canyon Gate Drive
Las Vegas, NV 89117

File Number: 46715
Date Received: 03/02/2016
Date Reported: 03/03/2016

Submitted By: Soil and Water Consulting

Lab Number	0385
Sample Location	Irrigation Water
Sample Description	Effluent Lake

pH	7.27
Hardness (ppm)	264.76
Hardness (grains/gal)	15.48
Conductivity (mmhos/cm)	1.49
Sodium Adsorp. Ratio	4.79
Adjusted SAR	8.38
pHc	7.65
Residual Sodium Carbonate (RSC)	-2.74

		(ppm)	meq/l	lbs/ac in
Calcium	(Ca)	70.19	3.50	15.92
Magnesium	(Mg)	21.70	1.78	4.92
Potassium	(K)	16.12	0.41	3.66
Sodium	(Na)	179.10	7.79	40.62
Iron	(Fe)	< 0.10		
Total Alkalinity	(CaCO ₃)	127.44		28.90
Carbonate	(CO ₃)	0.00		
Bicarbonate	(HCO ₃)	155.50	2.55	35.27
Hydroxide	(OH)	0.00		
Chloride	(Cl)	193.19	5.45	43.82
Sulfur as	(SO ₄)	236.46	4.92	53.63
Salt Concentration	(TDS)	954.24		216.42
Boron	(B)	0.25		0.06

Manganese	(Mn)	< 0.020		
Copper	(Cu)	< 0.020		
Zinc	(Zn)	0.080		0.018
Aluminum	(Al)	< 0.200		

Cation/Anion Ratio	1.02
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NO ₃ -N (ppm)	15.83
Total P (ppm)	1.50

Reviewed by:



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Submitted By: Soil and Water Consulting

Lab Number	0386
Sample Location	Irrigation Water
Sample Description	Fresh Water
	Fill

pH		7.82
Hardness	(ppm)	278.38
Hardness	(grains/gal)	16.28
Conductivity	(mmhos/cm)	1.00
Sodium Adsorp. Ratio		2.42
Adjusted SAR		4.49
pHc		7.55
Residual Sodium Carbonate (RSC)		-2.69

		(ppm)	meq/l	lbs/ac in
Calcium	(Ca)	73.98	3.69	16.78
Magnesium	(Mg)	22.71	1.87	5.15
Potassium	(K)	4.75	0.12	1.08
Sodium	(Na)	92.82	4.04	21.05
Iron	(Fe)	< 0.10		
Total Alkalinity	(CaCO3)	143.37		32.52
Carbonate	(CO3)	0.00		
Bicarbonate	(HCO3)	174.94	2.87	39.68
Hydroxide	(OH)	0.00		
Chloride	(Cl)	85.44	2.41	19.38
Sulfur as	(S04)	219.24	4.56	49.72
Salt Concentration	(TDS)	640.64		145.30
Boron	(B)	0.13		0.03

Manganese	(Mn)	< 0.020		
Copper	(Cu)	< 0.020		
Zinc	(Zn)	0.078		0.018
Aluminum	(Al)	< 0.200		

Cation/Anion Ratio	0.99
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NO3-N (ppm)	0.26
Total P (ppm)	< 0.20

Reviewed by:

