

BROOKSIDE LABORATORIES, INC.

** WATER ANALYSIS REPORT **

Boulder Creek Golf Club
1501 Veterans Memorial Drive
Boulder City, NV 89005

File Number: 47327
Date Received: 10/1/2009
Date Reported: 10/2/2009

Submitted By: Soil and Water Consulting

Lab Number	2452
Sample Location	Corey
Sample Description	Special

pH	8.81
Hardness (ppm)	383.59
Hardness (grains/gal)	22.43
Conductivity (mmhos/cm)	1.97
Sodium Adsorp. Ratio	5.41
Adjusted SAR	9.17
Adjusted RNa	5.98
pHc	7.71
Residual Sodium Carbonate (RSC)	-5.53

		(ppm)	meq/l	lbs/ac in
Calcium	(Ca)	81.35	4.06	18.45
Magnesium	(Mg)	43.69	3.59	9.91
Potassium	(K)	30.71	0.79	6.97
Sodium	(Na)	243.50	10.59	55.23
Iron	(Fe)	0.35		0.08
Total Alkalinity	(CaCO ₃)	106.00		24.04
Carbonate	(CO ₃)	0.00		
Bicarbonate	(HCO ₃)	129.35	2.12	29.34
Hydroxide	(OH)	0.00		
Chloride	(Cl)	303.31	8.55	68.79
Sulfur as	(S04)	444.60	9.26	100.84
Salt Concentration	(TDS)	1259.52		285.66
Boron	(B)	0.53		0.12

Manganese	(Mn)	< 0.020
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)	2.94
Total P (ppm)	0.30

Reviewed by:



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Submitted By: Soil and Water Consulting

Lab Number	2466
Sample Location	Irrigation Water
Sample Description	

pH	7.26
Hardness (ppm)	297.60
Hardness (grains/gal)	17.40
Conductivity (mmhos/cm)	1.03
Sodium Adsorp. Ratio	2.24
Adjusted SAR	4.09
Adjusted RNa	2.58
pHc	7.57
Residual Sodium Carbonate (RSC)	-3.30

		(ppm)	meq/l	lbs/ac in
Calcium	(Ca)	75.73	3.78	17.18
Magnesium	(Mg)	26.17	2.15	5.94
Potassium	(K)	4.77	0.12	1.08
Sodium	(Na)	88.79	3.86	20.14
Iron	(Fe)	0.44		0.10
Total Alkalinity	(CaCO ₃)	131.54		29.83
Carbonate	(CO ₃)	0.00		
Bicarbonate	(HCO ₃)	160.50	2.63	36.40
Hydroxide	(OH)	0.00		
Chloride	(Cl)	78.30	2.21	17.76
Sulfur as	(S04)	272.91	5.68	61.90
Salt Concentration	(TDS)	659.20		149.51
Boron	(B)	0.13		0.03

Cation/Anion Ratio	0.94
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Reviewed by:

