

BROOKSIDE LABORATORIES, INC.

** WATER ANALYSIS REPORT **

Tucson Country Club
2950 N. Camino Principal
Tucson, AZ 85715

File Number: 34998
Date Received: 9/23/2019
Date Reported: 9/24/2019

Submitted By: Soil and Water Consulting

Lab Number	2256
Sample Location	IRRIGATION WATER
Sample Description	HOLE #7

pH	7.18
Hardness (ppm)	72.89
Hardness (grains/gal)	4.26
Conductivity (mmhos/cm)	0.38
Sodium Adsorp. Ratio	3.12
Adjusted SAR	4.42
Adjusted RNa	3.26
pHc	7.98
Residual Sodium Carbonate (RSC)	1.26

		(ppm)	meq/l	lbs/ac in
Calcium (Ca)	24.78	1.24	5.62	
Magnesium (Mg)	2.21	0.18	0.50	
Potassium (K)	1.75	0.04	0.40	
Sodium (Na)	60.38	2.63	13.69	
Iron (Fe)	1.07		0.24	
Total Alkalinity (CaCO ₃)	133.80		30.35	
Carbonate (CO ₃)	0.00			
Bicarbonate (HCO ₃)	163.26	2.68	37.03	
Hydroxide (OH)	0.00			
Chloride (Cl)	27.91	0.79	6.33	
Sulfur as (S04)	26.83	0.56	6.09	
Salt Concentration (TDS)	242.94		55.10	
Boron (B)	0.12		0.03	

Cation/Anion Ratio	1.02
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Reviewed by:



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Submitted By: Soil and Water Consulting

Lab Number	2252
Sample Location	IRRIGATION WATER
Sample Description	LAKE #15

pH	7.62
Hardness (ppm)	48.50
Hardness (grains/gal)	2.84
Conductivity (mmhos/cm)	0.30
Sodium Adsorp. Ratio	2.82
Adjusted SAR	2.87
Adjusted RNa	2.37
pHc	8.38
Residual Sodium Carbonate (RSC)	0.59

		(ppm)	meq/l	lbs/ac in
Calcium (Ca)		16.12	0.80	3.66
Magnesium (Mg)		1.96	0.16	0.44
Potassium (K)		1.93	0.05	0.44
Sodium (Na)		45.08	1.96	10.22
Iron (Fe)		< 0.10		
Total Alkalinity (CaCO ₃)		78.00		17.69
Carbonate (CO ₃)		0.00		
Bicarbonate (HCO ₃)		95.18	1.56	21.59
Hydroxide (OH)		0.00		
Chloride (Cl)		26.38	0.74	5.98
Sulfur as (SO ₄)		29.08	0.61	6.59
Salt Concentration (TDS)		189.31		42.94
Boron (B)		0.09		0.02

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

Cation/Anion Ratio	1.02
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NO ₃ -N (ppm)	< 0.10
Total P (ppm)	< 0.20

Reviewed by:

