

BROOKSIDE LABORATORIES, INC.

** WATER ANALYSIS REPORT **

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

File Number: 34998
Date Received: 03/09/2018
Date Reported: 03/12/2018

Submitted By: Soil and Water Consulting

Lab Number	0319
Sample Location	IRRIGATION WATER
Sample Description	SMALL LAKE
	#15

pH	6.11
Hardness (ppm)	92.99
Hardness (grains/gal)	5.44
Conductivity (mmhos/cm)	0.37
Sodium Adsorp. Ratio	2.03
Adjusted SAR	3.09
Adjusted RNa	2.18
pHc	7.88
Residual Sodium Carbonate (RSC)	0.62

		(ppm)	meq/l	lbs/ac in
Calcium	(Ca)	33.89	1.69	7.69
Magnesium	(Mg)	1.99	0.16	0.45
Potassium	(K)	4.31	0.11	0.98
Sodium	(Na)	45.00	1.96	10.21
Iron	(Fe)	< 0.10		
Total Alkalinity	(CaCO ₃)	123.76		28.07
Carbonate	(CO ₃)	0.00		
Bicarbonate	(HCO ₃)	151.01	2.48	34.25
Hydroxide	(OH)	0.00		
Chloride	(Cl)	16.85	0.48	3.82
Sulfur as	(S04)	26.10	0.54	5.92
Salt Concentration	(TDS)	236.29		53.59
Boron	(B)	0.08		0.02

Cation/Anion Ratio	1.12
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Reviewed by:



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Submitted By: Soil and Water Consulting

Lab Number	0320
Sample Location	IRRIGATION WATER
Sample Description	BIG LAKE
	#2

pH	7.32
Hardness (ppm)	63.66
Hardness (grains/gal)	3.72
Conductivity (mmhos/cm)	0.36
Sodium Adsorp. Ratio	2.91
Adjusted SAR	3.98
Adjusted RNa	2.95
pHc	8.03
Residual Sodium Carbonate (RSC)	1.28

		(ppm)	meq/l	lbs/ac in
Calcium	(Ca)	22.67	1.13	5.14
Magnesium	(Mg)	1.67	0.14	0.38
Potassium	(K)	2.29	0.06	0.52
Sodium	(Na)	53.32	2.32	12.09
Iron	(Fe)	< 0.10		
Total Alkalinity	(CaCO ₃)	127.33		28.88
Carbonate	(CO ₃)	0.00		
Bicarbonate	(HCO ₃)	155.37	2.55	35.24
Hydroxide	(OH)	0.00		
Chloride	(Cl)	15.66	0.44	3.55
Sulfur as	(S04)	20.57	0.43	4.67
Salt Concentration	(TDS)	227.33		51.56
Boron	(B)	0.10		0.02

Cation/Anion Ratio	1.07
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Reviewed by:

