

BROOKSIDE LABORATORIES, INC.

** WATER ANALYSIS REPORT **

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

File Number: 34998
Date Received: 3/14/2016
Date Reported: 3/15/2016

Submitted By: Soil and Water Consulting

Lab Number	0522
Sample Location	Effluent Lake
Sample Description	Irrigation

pH	7.69
Hardness (ppm)	70.05
Hardness (grains/gal)	4.10
Conductivity (mmhos/cm)	0.44
Sodium Adsorp. Ratio	2.90
Adjusted SAR	3.97
pHc	8.03
Residual Sodium Carbonate (RSC)	0.96

		(ppm)	meq/l	lbs/ac in
Calcium	(Ca)	25.08	1.25	5.69
Magnesium	(Mg)	1.76	0.14	0.40
Potassium	(K)	1.93	0.05	0.44
Sodium	(Na)	55.70	2.42	12.63
Iron	(Fe)	< 0.10		
Total Alkalinity	(CaCO ₃)	118.00		26.76
Carbonate	(CO ₃)	0.00		
Bicarbonate	(HCO ₃)	143.98	2.36	32.65
Hydroxide	(OH)	0.00		
Chloride	(Cl)	30.98	0.87	7.03
Sulfur as	(SO ₄)	35.88	0.75	8.14
Salt Concentration	(TDS)	279.04		63.29
Boron	(B)	0.11		0.03

Manganese	(Mn)	< 0.020	
Copper	(Cu)	< 0.020	
Zinc	(Zn)	< 0.040	
Aluminum	(Al)	0.231	0.052

Cation/Anion Ratio	0.97
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NO ₃ -N (ppm)	1.15
Total P (ppm)	< 0.20

Reviewed by:



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Lab Number	0523
Sample Location	Potable Lake
Sample Description	Irrigation

pH	7.78
Hardness (ppm)	98.81
Hardness (grains/gal)	5.78
Conductivity (mmhos/cm)	0.39
Sodium Adsorp. Ratio	1.35
Adjusted SAR	1.98
pHc	7.94
Residual Sodium Carbonate (RSC)	0.09

		(ppm)	meq/l	lbs/ac in
Calcium	(Ca)	34.87	1.74	7.91
Magnesium	(Mg)	2.80	0.23	0.64
Potassium	(K)	2.28	0.06	0.52
Sodium	(Na)	30.79	1.34	6.98
Iron	(Fe)	0.12		0.03
Total Alkalinity	(CaCO ₃)	103.25		23.42
Carbonate	(CO ₃)	0.00		
Bicarbonate	(HCO ₃)	125.99	2.06	28.57
Hydroxide	(OH)	0.00		
Chloride	(Cl)	22.30	0.63	5.06
Sulfur as	(SO ₄)	39.69	0.83	9.00
Salt Concentration	(TDS)	251.52		57.04
Boron	(B)	0.06		0.01

Cation/Anion Ratio	0.96
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Reviewed by:

