

BROOKSIDE LABORATORIES, INC.

** WATER ANALYSIS REPORT **

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

File Number: 34998
Date Received: 6/28/2016
Date Reported: 6/29/2016

Submitted By: Soil and Water Consulting

Lab Number	1728
Sample Location	Effluent Lake
Sample Description	Irrigation

pH	8.30
Hardness (ppm)	149.71
Hardness (grains/gal)	8.75
Conductivity (mmhos/cm)	0.13
Sodium Adsorp. Ratio	3.24
Adjusted SAR	5.73
pHc	7.63
Residual Sodium Carbonate (RSC)	0.40

		(ppm)	meq/l	lbs/ac in
Calcium	(Ca)	47.90	2.39	10.86
Magnesium	(Mg)	7.27	0.60	1.65
Potassium	(K)	4.56	0.12	1.03
Sodium	(Na)	91.06	3.96	20.65
Iron	(Fe)	< 0.10		
Total Alkalinity	(CaCO ₃)	169.58		38.46
Carbonate	(CO ₃)	0.00		
Bicarbonate	(HCO ₃)	206.92	3.39	46.93
Hydroxide	(OH)	0.00		
Chloride	(Cl)	61.10	1.72	13.86
Sulfur as	(SO ₄)	87.81	1.83	19.92
Salt Concentration	(TDS)	81.86		18.57
Boron	(B)	0.19		0.04

Manganese	(Mn)	< 0.020	
Copper	(Cu)	0.023	0.005
Zinc	(Zn)	< 0.040	
Aluminum	(Al)	< 0.200	

Cation/Anion Ratio	1.01
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NO ₃ -N (ppm)	1.62
Total P (ppm)	0.21

Reviewed by:



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Lab Number	1729
Sample Location	Potable Lake
Sample Description	Irrigation

pH	7.86
Hardness (ppm)	89.61
Hardness (grains/gal)	5.24
Conductivity (mmhos/cm)	0.40
Sodium Adsorp. Ratio	2.10
Adjusted SAR	3.15
pHc	7.90
Residual Sodium Carbonate (RSC)	0.63

		(ppm)	meq/l	lbs/ac in
Calcium	(Ca)	32.28	1.61	7.32
Magnesium	(Mg)	2.00	0.16	0.45
Potassium	(K)	2.55	0.07	0.58
Sodium	(Na)	45.59	1.98	10.34
Iron	(Fe)	0.43		0.10
Total Alkalinity	(CaCO ₃)	120.19		27.26
Carbonate	(CO ₃)	0.00		
Bicarbonate	(HCO ₃)	146.66	2.40	33.26
Hydroxide	(OH)	0.00		
Chloride	(Cl)	21.62	0.61	4.90
Sulfur as	(S04)	35.16	0.73	7.97
Salt Concentration	(TDS)	254.72		57.77
Boron	(B)	0.08		0.02

Cation/Anion Ratio	1.02
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Reviewed by:

