

BROOKSIDE LABORATORIES, INC.

** WATER ANALYSIS REPORT **

Anthem Country Club
Phoenix, AZ

File Number: 85330
Date Received: 7/9/2021
Date Reported: 7/12/2021

Submitted By: Soil and Water Consulting

Lab Number	1656
Sample Location	IRONWOOD COURSE
Sample Description	IRRIGATION SOURCE

pH	6.59
Hardness (ppm)	280.19
Hardness (grains/gal)	16.39
Conductivity (mmhos/cm)	1.48
Sodium Adsorp. Ratio	4.55
Adjusted SAR	5.54
Adjusted RNa	4.12
pHc	8.18
Residual Sodium Carbonate (RSC)	-4.78

		(ppm)	meq/l	lbs/ac in
Calcium (Ca)		66.20	3.30	15.01
Magnesium (Mg)		27.87	2.29	6.32
Potassium (K)		12.74	0.33	2.89
Sodium (Na)		174.90	7.60	39.67
Iron (Fe)		< 0.10		
Total Alkalinity (CaCO ₃)		40.80		9.25
Carbonate (CO ₃)		0.00		
Bicarbonate (HCO ₃)		49.78	0.82	11.29
Hydroxide (OH)		0.00		
Chloride (Cl)		208.85	5.89	47.37
Sulfur as (SO ₄)		315.60	6.57	71.58
Salt Concentration (TDS)		949.50		215.35
Boron (B)		0.25		0.06

Manganese (Mn)		0.087		0.020
Copper (Cu)		0.057		0.013
Zinc (Zn)		< 0.040		
Aluminum (Al)		< 0.200		

Cation/Anion Ratio	1.02
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NO ₃ -N (ppm)	0.73
Total P (ppm)	0.32

Reviewed by:



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Submitted By: Soil and Water Consulting

Lab Number	1657
Sample Location	PERSIMON COURSE
Sample Description	IRRIGATION SOURCE, IRR LAKE

pH	6.12
Hardness (ppm)	283.84
Hardness (grains/gal)	16.60
Conductivity (mmhos/cm)	1.49
Sodium Adsorp. Ratio	4.46
Adjusted SAR	4.82
Adjusted RNa	3.71
pHc	8.32
Residual Sodium Carbonate (RSC)	-5.10

		(ppm)	meq/l	lbs/ac in
Calcium	(Ca)	67.84	3.39	15.39
Magnesium	(Mg)	27.76	2.28	6.30
Potassium	(K)	11.95	0.31	2.71
Sodium	(Na)	172.80	7.51	39.19
Iron	(Fe)	< 0.10		
Total Alkalinity	(CaCO ₃)	28.20		6.40
Carbonate	(CO ₃)	0.00		
Bicarbonate	(HCO ₃)	34.41	0.56	7.80
Hydroxide	(OH)	0.00		
Chloride	(Cl)	212.42	5.99	48.18
Sulfur as	(S04)	289.38	6.02	65.63
Salt Concentration	(TDS)	953.09		216.16
Boron	(B)	0.25		0.06

Manganese	(Mn)	0.076		0.017
Copper	(Cu)	0.074		0.017
Zinc	(Zn)	< 0.040		
Aluminum	(Al)	< 0.200		

Cation/Anion Ratio	1.07
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NO ₃ -N (ppm)	0.73
Total P (ppm)	0.21

Reviewed by:

