

BROOKSIDE LABORATORIES, INC.

** WATER ANALYSIS REPORT **

The Summit
Las Vegas, NV

File Number: 73668
Date Received: 5/14/2018
Date Reported: 5/15/2018

Submitted By: Soil and Water Consulting

Lab Number	0956
Sample Location	IRRIGATION WATER
Sample Description	IRRIGATION POND
	WET WELL

pH	7.82
Hardness (ppm)	319.29
Hardness (grains/gal)	18.67
Conductivity (mmhos/cm)	1.11
Sodium Adsorp. Ratio	2.41
Adjusted SAR	4.56
Adjusted RNa	2.88
pHc	7.51
Residual Sodium Carbonate (RSC)	-3.76

		(ppm)	meq/l	lbs/ac in
Calcium	(Ca)	90.23	4.50	20.46
Magnesium	(Mg)	22.79	1.87	5.17
Potassium	(K)	5.16	0.13	1.17
Sodium	(Na)	98.97	4.30	22.45
Iron	(Fe)	< 0.10		
Total Alkalinity	(CaCO ₃)	130.90		29.69
Carbonate	(CO ₃)	0.00		
Bicarbonate	(HCO ₃)	159.72	2.62	36.22
Hydroxide	(OH)	0.00		
Chloride	(Cl)	96.34	2.72	21.85
Sulfur as	(S04)	254.31	5.29	57.68
Salt Concentration	(TDS)	710.72		161.19
Boron	(B)	0.13		0.03

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)	0.55
Total P (ppm)	0.20

Reviewed by:



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File Number: 73668
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Submitted By: Soil and Water Consulting

Lab Number	0957
Sample Location	IRRIGATION WATER
Sample Description	POTABLE SUPPLY POINT

pH		7.82
Hardness	(ppm)	273.96
Hardness	(grains/gal)	16.02
Conductivity	(mmhos/cm)	0.92
Sodium Adsorp. Ratio		2.23
Adjusted SAR		4.18
Adjusted RNa		2.65
pHc		7.53
Residual Sodium Carbonate (RSC)		-2.47

		(ppm)	meq/l	lbs/ac in
Calcium	(Ca)	73.84	3.68	16.75
Magnesium	(Mg)	21.72	1.79	4.93
Potassium	(K)	3.82	0.10	0.87
Sodium	(Na)	84.99	3.70	19.28
Iron	(Fe)	< 0.10		
Total Alkalinity	(CaCO3)	149.94		34.01
Carbonate	(CO3)	0.00		
Bicarbonate	(HCO3)	182.96	3.00	41.50
Hydroxide	(OH)	0.00		
Chloride	(Cl)	78.81	2.22	17.87
Sulfur as	(S04)	188.55	3.93	42.76
Salt Concentration	(TDS)	591.81		134.22
Boron	(B)	0.11		0.03

Manganese	(Mn)	< 0.020	
Copper	(Cu)	< 0.020	
Zinc	(Zn)	0.075	0.017
Aluminum	(Al)	< 0.200	

Cation/Anion Ratio	1.01
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NO3-N (ppm)	0.49
Total P (ppm)	< 0.20

Reviewed by:

