

BROOKSIDE LABORATORIES, INC.

** WATER ANALYSIS REPORT **

The Summit
Las Vegas, NV

File Number: 73668
Date Received: 3/6/2018
Date Reported: 3/7/2018

Submitted By: Soil and Water Consulting

Lab Number	0287
Sample Location	IRRIGATION WATER
Sample Description	HOLE #9
	POTABLE

pH		7.75
Hardness	(ppm)	269.66
Hardness	(grains/gal)	15.77
Conductivity	(mmhos/cm)	0.94
Sodium Adsorp. Ratio		2.33
Adjusted SAR		4.34
Adjusted RNa		2.75
pHc		7.54
Residual Sodium Carbonate (RSC)		-2.37

		(ppm)	meq/l	lbs/ac in
Calcium	(Ca)	72.12	3.60	16.36
Magnesium	(Mg)	21.72	1.79	4.93
Potassium	(K)	4.41	0.11	1.00
Sodium	(Na)	87.89	3.82	19.93
Iron	(Fe)	< 0.10		
Total Alkalinity	(CaCO3)	150.53		34.14
Carbonate	(CO3)	0.00		
Bicarbonate	(HCO3)	183.68	3.01	41.66
Hydroxide	(OH)	0.00		
Chloride	(Cl)	91.91	2.59	20.85
Sulfur as	(S04)	195.75	4.08	44.40
Salt Concentration	(TDS)	600.96		136.30
Boron	(B)	0.14		0.03

Manganese	(Mn)	< 0.020		
Copper	(Cu)	< 0.020		
Zinc	(Zn)	0.077		0.017
Aluminum	(Al)	< 0.200		

Cation/Anion Ratio	0.96
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NO3-N (ppm)	0.35
Total P (ppm)	< 0.20

Reviewed by:



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Lab Number	0288
Sample Location	IRRIGATION WATER
Sample Description	RIVERHEAD WATER

pH	6.79
Hardness (ppm)	446.22
Hardness (grains/gal)	26.09
Conductivity (mmhos/cm)	1.63
Sodium Adsorp. Ratio	3.10
Adjusted SAR	4.19
Adjusted RNa	2.73
pHc	8.05
Residual Sodium Carbonate (RSC)	-8.35

		(ppm)	meq/l	lbs/ac in
Calcium (Ca)		134.90	6.73	30.60
Magnesium (Mg)		26.53	2.18	6.02
Potassium (K)		11.86	0.30	2.69
Sodium (Na)		150.30	6.53	34.09
Iron (Fe)		< 0.10		
Total Alkalinity (CaCO3)		27.96		6.34
Carbonate (CO3)		0.00		
Bicarbonate (HCO3)		34.12	0.56	7.74
Hydroxide (OH)		0.00		
Chloride (Cl)		185.36	5.23	42.04
Sulfur as (S04)		464.70	9.68	105.39
Salt Concentration (TDS)		1044.48		236.89
Boron (B)		0.22		0.05

Manganese (Mn)	< 0.020	
Copper (Cu)	0.041	0.009
Zinc (Zn)	0.040	0.009
Aluminum (Al)	< 0.200	

Cation/Anion Ratio	1.01
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NO3-N (ppm)	3.23
Total P (ppm)	0.46

Reviewed by:

