

BROOKSIDE LABORATORIES, INC.

** WATER ANALYSIS REPORT **

The Summit
Las Vegas, NV

File Number: 73668
Date Received: 6/24/2019
Date Reported: 6/25/2019

Submitted By: Soil and Water Consulting

Lab Number	1448
Sample Location	IRRIGATION WATER
Sample Description	HOLE #16
	POTABLE

pH	8.05
Hardness (ppm)	266.92
Hardness (grains/gal)	15.61
Conductivity (mmhos/cm)	0.87
Sodium Adsorp. Ratio	2.23
Adjusted SAR	4.12
Adjusted RNa	2.50
pHc	7.56
Residual Sodium Carbonate (RSC)	-2.43

		(ppm)	meq/l	lbs/ac in
Calcium	(Ca)	69.95	3.49	15.86
Magnesium	(Mg)	22.37	1.84	5.07
Potassium	(K)	4.61	0.12	1.05
Sodium	(Na)	83.90	3.65	19.03
Iron	(Fe)	< 0.10		
Total Alkalinity	(CaCO3)	145.20		32.93
Carbonate	(CO3)	18.16	0.61	4.12
Bicarbonate	(HCO3)	140.26	2.30	31.81
Hydroxide	(OH)	0.00		
Chloride	(Cl)	78.98	2.23	17.91
Sulfur as	(S04)	195.12	4.06	44.25
Salt Concentration	(TDS)	553.98		125.64
Boron	(B)	0.11		0.03

Manganese	(Mn)	< 0.020		
Copper	(Cu)	< 0.020		
Zinc	(Zn)	0.083		0.019
Aluminum	(Al)	< 0.200		

Cation/Anion Ratio	0.99
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NO3-N (ppm)	0.47
Total P (ppm)	< 0.20

Reviewed by:



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Lab Number	1449
Sample Location	IRRIGATION WATER
Sample Description	HOLE #17 "EFFLUENT"

pH	8.23
Hardness (ppm)	278.92
Hardness (grains/gal)	16.31
Conductivity (mmhos/cm)	0.83
Sodium Adsorp. Ratio	1.89
Adjusted SAR	3.48
Adjusted RNa	2.09
pHc	7.55
Residual Sodium Carbonate (RSC)	-2.64

		(ppm)	meq/l	lbs/ac in
Calcium (Ca)		69.40	3.46	15.74
Magnesium (Mg)		25.62	2.11	5.81
Potassium (K)		5.73	0.15	1.30
Sodium (Na)		72.42	3.15	16.42
Iron (Fe)		< 0.10		
Total Alkalinity (CaCO3)		146.41		33.21
Carbonate (CO3)		18.88	0.63	4.28
Bicarbonate (HCO3)		140.26	2.30	31.81
Hydroxide (OH)		0.00		
Chloride (Cl)		64.68	1.82	14.67
Sulfur as (SO4)		194.22	4.04	44.05
Salt Concentration (TDS)		532.03		120.66
Boron (B)		0.11		0.02

Manganese (Mn)		< 0.020		
Copper (Cu)		< 0.020		
Zinc (Zn)		0.054		0.012
Aluminum (Al)		< 0.200		

Cation/Anion Ratio	1.01
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NO3-N (ppm)	0.48
Total P (ppm)	< 0.20

Reviewed by:

