

BROOKSIDE LABORATORIES, INC.

** WATER ANALYSIS REPORT **

The Heights Golf Club
16066 Bernardo Heights Pkwy
San Diego, CA 92128

File Number: 93984
Date Received: 4/10/2025
Date Reported: 4/11/2025

Submitted By: Soil and Water Consulting

Lab Number	0712
Sample Location	IRRIGATION WATER
Sample Description	HOLE #1

pH	7.30
Hardness (ppm)	393.43
Hardness (grains/gal)	23.01
Conductivity (mmhos/cm)	1.94
Sodium Adsorp. Ratio	6.18
Adjusted SAR	12.17
Adjusted RNa	6.74
pHc	7.43
Residual Sodium Carbonate (RSC)	-6.03

		(ppm)	meq/l	lbs/ac in
Calcium (Ca)		87.55	4.37	19.86
Magnesium (Mg)		42.36	3.48	9.61
Potassium (K)		4.03	0.10	0.91
Sodium (Na)		281.62	12.24	63.87
Iron (Fe)		0.26		0.06
Total Alkalinity (CaCO ₃)		94.27		21.38
Carbonate (CO ₃)		0.00		
Bicarbonate (HCO ₃)		111.03	1.82	25.18
Hydroxide (OH)		0.00		
Chloride (Cl)		443.56	12.51	100.60
Sulfur as (S04)		282.52	5.88	64.07
Salt Concentration (TDS)		1240.32		281.30
Boron (B)		0.27		0.06

Manganese (Mn)	0.287	0.065
Copper (Cu)	< 0.020	
Zinc (Zn)	< 0.040	
Aluminum (Al)	< 0.200	

Cation/Anion Ratio	NA
--------------------	----

NO ₃ -N (ppm)	< 0.10
Total P (ppm)	< 0.20

Reviewed by:



BROOKSIDE LABORATORIES, INC.

** WATER ANALYSIS REPORT **

The Heights Golf Club
16066 Bernardo Heights Pkwy
San Diego, CA 92128

File Number: 93984
Date Received: 4/10/2025
Date Reported: 4/11/2025

Submitted By: Soil and Water Consulting

Lab Number	0713
Sample Location	IRRIGATION WATER
Sample Description	LAKE WELL FILL

pH		7.92
Hardness	(ppm)	381.04
Hardness	(grains/gal)	22.28
Conductivity	(mmhos/cm)	1.89
Sodium Adsorp. Ratio		7.13
Adjusted SAR		16.59
Adjusted RNa		8.66
pHc		7.07
Residual Sodium Carbonate (RSC)		-3.20

		(ppm)	meq/l	lbs/ac in
Calcium	(Ca)	82.71	4.13	18.76
Magnesium	(Mg)	42.16	3.47	9.56
Potassium	(K)	13.32	0.34	3.02
Sodium	(Na)	319.36	13.89	72.43
Iron	(Fe)	0.55		0.12
Total Alkalinity	(CaCO3)	223.17		50.61
Carbonate	(CO3)	0.00		
Bicarbonate	(HCO3)	268.31	4.40	60.85
Hydroxide	(OH)	0.00		
Chloride	(Cl)	471.99	13.31	107.05
Sulfur as	(S04)	125.73	2.62	28.52
Salt Concentration	(TDS)	1207.04		273.76
Boron	(B)	0.33		0.07

Manganese	(Mn)	0.025		0.006
Copper	(Cu)	< 0.020		
Zinc	(Zn)	< 0.040		
Aluminum	(Al)	< 0.200		

Cation/Anion Ratio	NA
--------------------	----

NO3-N (ppm)	< 0.10
Total P (ppm)	< 0.20

Reviewed by:

