

# BROOKSIDE LABORATORIES, INC.

## \*\* WATER ANALYSIS REPORT \*\*

Tucson Country Club  
2950 N. Camino Principal  
Tucson, AZ 85715

File Number: 34998  
Date Received: 6/23/2020  
Date Reported: 6/24/2020

Submitted By: Soil and Water Consulting

|                    |                    |
|--------------------|--------------------|
| Lab Number         | 1302               |
| Sample Location    | Effluent Lake      |
| Sample Description | Irrigation<br>Feed |

|                                 |              |        |
|---------------------------------|--------------|--------|
| pH                              |              | 7.17   |
| Hardness                        | (ppm)        | 294.83 |
| Hardness                        | (grains/gal) | 17.24  |
| Conductivity                    | (mmhos/cm)   | 1.20   |
| Sodium Adsorp. Ratio            |              | 3.27   |
| Adjusted SAR                    |              | 6.91   |
| Adjusted RNa                    |              | 4.44   |
| pHc                             |              | 7.29   |
| Residual Sodium Carbonate (RSC) |              | -1.45  |

|                    |         | (ppm)  | meq/l | lbs/ac in |
|--------------------|---------|--------|-------|-----------|
| Calcium            | (Ca)    | 90.36  | 4.51  | 20.49     |
| Magnesium          | (Mg)    | 16.77  | 1.38  | 3.80      |
| Potassium          | (K)     | 9.62   | 0.25  | 2.18      |
| Sodium             | (Na)    | 129.20 | 5.62  | 29.30     |
| Iron               | (Fe)    | < 0.10 |       |           |
| Total Alkalinity   | (CaCO3) | 221.94 |       | 50.33     |
| Carbonate          | (CO3)   | 0.00   |       |           |
| Bicarbonate        | (HCO3)  | 270.81 | 4.44  | 61.42     |
| Hydroxide          | (OH)    | 0.00   |       |           |
| Chloride           | (Cl)    | 129.02 | 3.64  | 29.26     |
| Sulfur as          | (S04)   | 182.37 | 3.80  | 41.36     |
| Salt Concentration | (TDS)   | 765.95 |       | 173.72    |
| Boron              | (B)     | 0.26   |       | 0.06      |

|           |      |         |  |  |
|-----------|------|---------|--|--|
| Manganese | (Mn) | < 0.020 |  |  |
| Copper    | (Cu) | < 0.020 |  |  |
| Zinc      | (Zn) | < 0.040 |  |  |
| Aluminum  | (Al) | < 0.200 |  |  |

|                    |      |
|--------------------|------|
| Cation/Anion Ratio | 0.98 |
|--------------------|------|

|               |      |
|---------------|------|
| NO3-N (ppm)   | 6.80 |
| Total P (ppm) | 0.86 |

Reviewed by:

