

# BROOKSIDE LABORATORIES, INC.

## SATURATED SOIL ANALYSIS

Jumping Brook Country Club  
210 Jumping Brook Road  
Neptune, NJ 07753

File Number: 74738  
Date Received: 10/10/2023  
Date Reported: 10/12/2023

Submitted By: Soil and Water Consulting

|                               |       |       |       |       |       |       |  |
|-------------------------------|-------|-------|-------|-------|-------|-------|--|
| Lab Number                    | 0008  |       |       | 0009  |       |       |  |
| Description                   | TEE   |       |       | TEE   |       |       |  |
|                               | 13    |       |       | 15    |       |       |  |
| pH                            | 7.6   |       |       | 7.1   |       |       |  |
|                               | (ppm) | meq/l | %     | (ppm) | meq/l | %     |  |
| Soluble Salts *               | 160   |       |       | 218   |       |       |  |
| Chloride                      | 18    |       |       | 37    |       |       |  |
| Nitrate (NO <sub>3</sub> -N)  | < 0.5 |       |       | < 0.5 |       |       |  |
| Bicarbonate                   | 57.06 |       |       | 24.37 |       |       |  |
| Sulfur                        | 7.11  |       |       | 24.53 |       |       |  |
| Phosphorus                    | 1.65  |       |       | 0.53  |       |       |  |
| Calcium                       | 17.79 | 0.89  | 37.18 | 21.72 | 1.08  | 32.59 |  |
| Magnesium                     | 5.28  | 0.43  | 18.19 | 4.81  | 0.40  | 11.90 |  |
| Potassium                     | 22.04 | 0.56  | 23.60 | 27.72 | 0.71  | 21.31 |  |
| Sodium                        | 11.55 | 0.50  | 21.03 | 26.16 | 1.14  | 34.19 |  |
| TOTAL                         |       | 2.39  | 100   |       | 3.33  | 100   |  |
| Boron                         | 0.01  |       |       | 0.06  |       |       |  |
| Iron                          | 0.97  |       |       | 3.66  |       |       |  |
| Manganese                     | 0.07  |       |       | 0.50  |       |       |  |
| Copper                        | 0.07  |       |       | 0.07  |       |       |  |
| Zinc                          | 0.04  |       |       | 0.05  |       |       |  |
| Aluminum                      | 2.36  |       |       | 3.27  |       |       |  |
| Ammonium (NH <sub>4</sub> -N) | 3.0   |       |       | 1.6   |       |       |  |
| ESP (calculated)              | < .01 |       |       | 0.69  |       |       |  |
| SAR (calculated)              | 0.62  |       |       | 1.32  |       |       |  |

\* Soluble Salts: mmhos/cm = ppm / 640

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|------------------|---------|-------|-------|---------|-------|-------|--|
| Lab Number       | 0010    |       |       | 0011    |       |       |  |
| Description      | FAIRWAY |       |       | FAIRWAY |       |       |  |
|                  | 13      |       |       | 17      |       |       |  |
| pH               | 7.3     |       |       | 7.5     |       |       |  |
|                  | (ppm)   | meq/l | %     | (ppm)   | meq/l | %     |  |
| Soluble Salts *  | 125     |       |       | 192     |       |       |  |
| Chloride         | 23      |       |       | 32      |       |       |  |
| Nitrate (NO3-N)  | < 0.5   |       |       | 3.7     |       |       |  |
| Bicarbonate      | 27.82   |       |       | 58.82   |       |       |  |
| Sulfur           | 7.52    |       |       | 6.60    |       |       |  |
| Phosphorus       | 1.12    |       |       | 4.25    |       |       |  |
| Calcium          | 12.68   | 0.63  | 34.16 | 22.19   | 1.11  | 36.80 |  |
| Magnesium        | 2.47    | 0.20  | 10.98 | 5.02    | 0.41  | 13.73 |  |
| Potassium        | 17.88   | 0.46  | 24.69 | 36.84   | 0.94  | 31.32 |  |
| Sodium           | 12.86   | 0.56  | 30.18 | 12.56   | 0.55  | 18.15 |  |
| TOTAL            |         | 1.85  | 100   |         | 3.01  | 100   |  |
| Boron            | 0.02    |       |       | 0.03    |       |       |  |
| Iron             | 4.85    |       |       | 6.38    |       |       |  |
| Manganese        | 0.14    |       |       | 0.09    |       |       |  |
| Copper           | 0.07    |       |       | 0.11    |       |       |  |
| Zinc             | 0.04    |       |       | 0.07    |       |       |  |
| Aluminum         | 3.70    |       |       | 8.58    |       |       |  |
| Ammonium (NH4-N) | 1.2     |       |       | 3.9     |       |       |  |
| ESP (calculated) | 0.02    |       |       | < .01   |       |       |  |
| SAR (calculated) | 0.86    |       |       | 0.63    |       |       |  |

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|-------------------------------|-------|-------|-------|-------|-------|-------|--|
| Lab Number                    | 0012  |       |       | 0013  |       |       |  |
| Description                   | GREEN |       |       | GREEN |       |       |  |
|                               | 13    |       |       | 15    |       |       |  |
| pH                            | 7.3   |       |       | 7.4   |       |       |  |
|                               | (ppm) | meq/l | %     | (ppm) | meq/l | %     |  |
| Soluble Salts *               | 108   |       |       | 115   |       |       |  |
| Chloride                      | 14    |       |       | 10    |       |       |  |
| Nitrate (NO <sub>3</sub> -N)  | 4.3   |       |       | 3.8   |       |       |  |
| Bicarbonate                   | 25.22 |       |       | 28.35 |       |       |  |
| Sulfur                        | 7.21  |       |       | 7.42  |       |       |  |
| Phosphorus                    | 3.57  |       |       | 3.26  |       |       |  |
| Calcium                       | 12.61 | 0.63  | 34.92 | 12.98 | 0.65  | 34.93 |  |
| Magnesium                     | 2.48  | 0.20  | 11.31 | 2.57  | 0.21  | 11.41 |  |
| Potassium                     | 18.40 | 0.47  | 26.11 | 20.75 | 0.53  | 28.61 |  |
| Sodium                        | 11.47 | 0.50  | 27.67 | 10.69 | 0.46  | 25.05 |  |
| TOTAL                         |       | 1.80  | 100   |       | 1.85  | 100   |  |
| Boron                         | 0.03  |       |       | 0.03  |       |       |  |
| Iron                          | 3.32  |       |       | 4.45  |       |       |  |
| Manganese                     | 0.03  |       |       | 0.04  |       |       |  |
| Copper                        | 0.09  |       |       | 0.08  |       |       |  |
| Zinc                          | 0.10  |       |       | 0.09  |       |       |  |
| Aluminum                      | 3.33  |       |       | 3.14  |       |       |  |
| Ammonium (NH <sub>4</sub> -N) | < 0.5 |       |       | < 0.5 |       |       |  |
| ESP (calculated)              | < .01 |       |       | < .01 |       |       |  |
| SAR (calculated)              | 0.77  |       |       | 0.71  |       |       |  |

\* Soluble Salts: mmhos/cm = ppm / 640