

# BROOKSIDE LABORATORIES, INC.

## SATURATED SOIL ANALYSIS

Anaheim Hills Golf Course  
6501 Nohl Ranch Rd  
Anaheim, CA 92807

File Number: 91698  
Date Received: 4/24/2025  
Date Reported: 4/28/2025

Submitted By: Soil and Water Consulting

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|             |      |
|-------------|------|
| Lab Number  | 0036 |
| Description | TEE  |
|             | 1    |

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|    |     |
|----|-----|
| pH | 7.8 |
|----|-----|

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|                              | (ppm)  | meq/l | % | (ppm) | meq/l | % |
|------------------------------|--------|-------|---|-------|-------|---|
| Soluble Salts *              | 515    |       |   |       |       |   |
| Chloride                     | 55     |       |   |       |       |   |
| Nitrate (NO <sub>3</sub> -N) | < 0.5  |       |   |       |       |   |
| Bicarbonate                  | 106.73 |       |   |       |       |   |

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|            |       |      |       |  |  |  |
|------------|-------|------|-------|--|--|--|
| Sulfur     | 70.81 |      |       |  |  |  |
| Phosphorus | 1.39  |      |       |  |  |  |
| Calcium    | 51.85 | 2.59 | 33.38 |  |  |  |
| Magnesium  | 14.59 | 1.20 | 15.48 |  |  |  |
| Potassium  | 20.93 | 0.54 | 6.91  |  |  |  |
| Sodium     | 78.86 | 3.43 | 44.24 |  |  |  |
| TOTAL      |       | 7.75 | 100   |  |  |  |

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|                               |      |
|-------------------------------|------|
| Boron                         | 0.24 |
| Iron                          | 2.47 |
| Manganese                     | 0.06 |
| Copper                        | 0.04 |
| Zinc                          | 0.06 |
| Aluminum                      | 1.90 |
| Ammonium (NH <sub>4</sub> -N) | 0.7  |

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|                  |      |
|------------------|------|
| ESP (calculated) | 2.36 |
| SAR (calculated) | 2.49 |

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

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|             |         |
|-------------|---------|
| Lab Number  | 0037    |
| Description | FAIRWAY |
|             | 1       |

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|    |     |
|----|-----|
| pH | 7.9 |
|----|-----|

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|                               | (ppm)  | meq/l | %     | (ppm) | meq/l | % |
|-------------------------------|--------|-------|-------|-------|-------|---|
| Soluble Salts *               | 451    |       |       |       |       |   |
| Chloride                      | 75     |       |       |       |       |   |
| Nitrate (NO <sub>3</sub> -N)  | < 0.5  |       |       |       |       |   |
| Bicarbonate                   | 131.64 |       |       |       |       |   |
| Sulfur                        | 50.63  |       |       |       |       |   |
| Phosphorus                    | 3.80   |       |       |       |       |   |
| Calcium                       | 39.94  | 1.99  | 25.76 |       |       |   |
| Magnesium                     | 19.49  | 1.60  | 20.72 |       |       |   |
| Potassium                     | 27.98  | 0.72  | 9.25  |       |       |   |
| Sodium                        | 78.80  | 3.43  | 44.28 |       |       |   |
| TOTAL                         |        | 7.74  | 100   |       |       |   |
| Boron                         | 0.24   |       |       |       |       |   |
| Iron                          | 23.05  |       |       |       |       |   |
| Manganese                     | 0.19   |       |       |       |       |   |
| Copper                        | 0.06   |       |       |       |       |   |
| Zinc                          | 0.15   |       |       |       |       |   |
| Aluminum                      | 29.96  |       |       |       |       |   |
| Ammonium (NH <sub>4</sub> -N) | < 0.5  |       |       |       |       |   |
| ESP (calculated)              | 2.45   |       |       |       |       |   |
| SAR (calculated)              | 2.55   |       |       |       |       |   |

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

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|                               |        |       |       |        |       |       |  |
|-------------------------------|--------|-------|-------|--------|-------|-------|--|
| Lab Number                    | 0038   |       |       | 0039   |       |       |  |
| Description                   | GREEN  |       |       | GREEN  |       |       |  |
|                               | 1      |       |       | 10     |       |       |  |
| pH                            | 7.6    |       |       | 7.3    |       |       |  |
|                               | (ppm)  | meq/l | %     | (ppm)  | meq/l | %     |  |
| Soluble Salts *               | 251    |       |       | 245    |       |       |  |
| Chloride                      | 17     |       |       | 27     |       |       |  |
| Nitrate (NO <sub>3</sub> -N)  | < 0.5  |       |       | < 0.5  |       |       |  |
| Bicarbonate                   | 40.04  |       |       | 41.43  |       |       |  |
| Sulfur                        | 35.72  |       |       | 35.30  |       |       |  |
| Phosphorus                    | 0.25   |       |       | 0.32   |       |       |  |
| Calcium                       | 30.59  | 1.53  | 38.25 | 24.80  | 1.24  | 33.50 |  |
| Magnesium                     | 7.57   | 0.62  | 15.59 | 8.27   | 0.68  | 18.40 |  |
| Potassium                     | 4.75   | 0.12  | 3.05  | 8.06   | 0.21  | 5.58  |  |
| Sodium                        | 39.57  | 1.72  | 43.11 | 36.12  | 1.57  | 42.51 |  |
| TOTAL                         |        | 3.99  | 100   |        | 3.69  | 100   |  |
| Boron                         | 0.09   |       |       | 0.17   |       |       |  |
| Iron                          | 0.59   |       |       | 3.62   |       |       |  |
| Manganese                     | 0.02   |       |       | 0.06   |       |       |  |
| Copper                        | < 0.01 |       |       | < 0.01 |       |       |  |
| Zinc                          | 0.01   |       |       | 0.04   |       |       |  |
| Aluminum                      | 1.17   |       |       | 7.92   |       |       |  |
| Ammonium (NH <sub>4</sub> -N) | < 0.5  |       |       | < 0.5  |       |       |  |
| ESP (calculated)              | 1.17   |       |       | 1.09   |       |       |  |
| SAR (calculated)              | 1.66   |       |       | 1.60   |       |       |  |

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