

BROOKSIDE LABORATORIES, INC.

SATURATED SOIL ANALYSIS

El Dorado Golf and Beach Club
 23410 San Jose del Cabo
 BCS, MEX

File Number: 87790
 Date Received: 9/28/2022
 Date Reported: 9/30/2022

Submitted By: Soil and Water Consulting

| Lab Number | 0021 | | | | 0022 | | | | |
|------------------|-------|-------|-------|--|-------|--|-------|-------|-------|
| Description | TEE | | | | TEE | | | | |
| | 1 | | | | 18 | | | | |
| pH | 7.8 | | | | 7.9 | | | | |
| | (ppm) | meq/l | % | | | | (ppm) | meq/l | % |
| Soluble Salts * | 356 | | | | 299 | | | | |
| Chloride | 68 | | | | 47 | | | | |
| Nitrate (NO3-N) | 4.8 | | | | 5.8 | | | | |
| Bicarbonate | 72.77 | | | | 79.05 | | | | |
| Sulfur | 28.38 | | | | 15.42 | | | | |
| Phosphorus | 3.11 | | | | 3.90 | | | | |
| Calcium | 18.69 | 0.93 | 15.62 | | | | 16.35 | 0.82 | 16.51 |
| Magnesium | 4.74 | 0.39 | 6.53 | | | | 4.52 | 0.37 | 7.53 |
| Potassium | 19.37 | 0.50 | 8.29 | | | | 19.90 | 0.51 | 10.30 |
| Sodium | 95.57 | 4.16 | 69.56 | | | | 74.61 | 3.24 | 65.66 |
| TOTAL | | 5.97 | 100 | | | | | 4.94 | 100 |
| Boron | 0.33 | | | | 0.27 | | | | |
| Iron | 7.73 | | | | 9.89 | | | | |
| Manganese | 0.68 | | | | 0.98 | | | | |
| Copper | 0.05 | | | | 0.06 | | | | |
| Zinc | 0.06 | | | | 0.08 | | | | |
| Aluminum | 6.05 | | | | 8.86 | | | | |
| Ammonium (NH4-N) | < 0.5 | | | | < 0.5 | | | | |
| ESP (calculated) | 5.91 | | | | 4.72 | | | | |
| SAR (calculated) | 5.11 | | | | 4.21 | | | | |

* Soluble Salts: mmhos/cm = ppm / 640

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| Lab Number | 0023 | | | | 0024 | | |
|------------------|---------|-------|-------|--------|---------|-------|--|
| Description | FAIRWAY | | | | FAIRWAY | | |
| | 1 | | | | 18 | | |
| pH | 8.4 | | | | 8.3 | | |
| | (ppm) | meq/l | % | (ppm) | meq/l | % | |
| Soluble Salts * | 1464 | | | | 723 | | |
| Chloride | 440 | | | | 152 | | |
| Nitrate (NO3-N) | 9.0 | | | | 15.4 | | |
| Bicarbonate | 225.88 | | | | 167.84 | | |
| Sulfur | 181.02 | | | | 50.04 | | |
| Phosphorus | 2.60 | | | | 4.13 | | |
| Calcium | 84.14 | 4.20 | 13.71 | 50.14 | 2.50 | 18.72 | |
| Magnesium | 22.19 | 1.82 | 5.96 | 11.96 | 0.98 | 7.36 | |
| Potassium | 75.31 | 1.93 | 6.29 | 51.80 | 1.32 | 9.91 | |
| Sodium | 521.77 | 22.69 | 74.05 | 196.82 | 8.56 | 64.02 | |
| TOTAL | | 30.63 | 100 | | 13.37 | 100 | |
| Boron | 0.81 | | | | 0.56 | | |
| Iron | 2.66 | | | | 1.43 | | |
| Manganese | 0.10 | | | | 0.08 | | |
| Copper | 0.09 | | | | 0.09 | | |
| Zinc | 0.05 | | | | 0.04 | | |
| Aluminum | 5.42 | | | | 1.97 | | |
| Ammonium (NH4-N) | < 0.5 | | | | < 0.5 | | |
| ESP (calculated) | 15.27 | | | | 7.67 | | |
| SAR (calculated) | 13.07 | | | | 6.48 | | |

* Soluble Salts: mmhos/cm = ppm / 640

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| Lab Number | 0025 | | | 0026 | | |
|-------------------------------|-------|-------|-------|-------|-------|-------|
| Description | GREEN | | | GREEN | | |
| | 1 | | | 18 | | |
| pH | 7.7 | | | 7.6 | | |
| | (ppm) | meq/l | % | (ppm) | meq/l | % |
| Soluble Salts * | 376 | | | 374 | | |
| Chloride | 67 | | | 74 | | |
| Nitrate (NO ₃ -N) | 12.1 | | | 12.5 | | |
| Bicarbonate | 41.83 | | | 35.10 | | |
| Sulfur | 24.58 | | | 22.07 | | |
| Phosphorus | 2.82 | | | 2.86 | | |
| Calcium | 15.07 | 0.75 | 13.79 | 14.99 | 0.75 | 13.91 |
| Magnesium | 4.32 | 0.35 | 6.51 | 4.77 | 0.39 | 7.29 |
| Potassium | 21.59 | 0.55 | 10.13 | 17.22 | 0.44 | 8.19 |
| Sodium | 87.22 | 3.79 | 69.57 | 87.32 | 3.80 | 70.61 |
| TOTAL | | 5.45 | 100 | | 5.38 | 100 |
| Boron | 0.17 | | | 0.14 | | |
| Iron | 1.22 | | | 1.09 | | |
| Manganese | 0.21 | | | 0.27 | | |
| Copper | 0.03 | | | 0.03 | | |
| Zinc | 0.02 | | | 0.02 | | |
| Aluminum | 0.81 | | | 0.80 | | |
| Ammonium (NH ₄ -N) | < 0.5 | | | < 0.5 | | |
| ESP (calculated) | 5.89 | | | 5.80 | | |
| SAR (calculated) | 5.10 | | | 5.03 | | |

* Soluble Salts: mmhos/cm = ppm / 640