

# BROOKSIDE LABORATORIES, INC.

## SOIL AUDIT AND INVENTORY REPORT

Name Diamante Cabo San Lucas City Cabo San Lucas State BCS

Independent Consultant Soil and Water Consulting Date 8/25/2022

|                                    |                                |                     |   |          |  |
|------------------------------------|--------------------------------|---------------------|---|----------|--|
| Sample Location                    | EL CARDONAL                    | FAIRWAY1            |   |          |  |
| Sample Identification              |                                | 0-6"                |   |          |  |
| Lab Number                         |                                | 0252-1              |   |          |  |
| Total Exchange Capacity (ME/100 g) |                                | 4.57                |   |          |  |
| pH (H <sub>2</sub> O 1:1)          |                                | <sup>a</sup><br>7.8 |   |          |  |
| Organic Matter (360°C LOI) %       |                                | 1.29                |   |          |  |
| Estimated Nitrogen Release         | lb/A                           | 46                  |   |          |  |
| <b>ANIONS</b>                      | SOLUBLE SULFUR*                | ppm                 | 26  |          |  |
|                                    | <b>PHOSPHORUS</b>              | MEHLICH III         | lb/A P as P <sub>2</sub> O <sub>5</sub><br>ppm of P |          |  |
|                                    |                                | BRAY II             | lb/A P as P <sub>2</sub> O <sub>5</sub><br>ppm of P |          |  |
|                                    |                                | OLSEN               | lb/A P as P <sub>2</sub> O <sub>5</sub><br>ppm of P | 87<br>19 |  |
| <b>EXCHANGEABLE CATIONS</b>        | CALCIUM*                       | lb/A<br>ppm         | 958<br>479  |          |  |
|                                    | MAGNESIUM*                     | lb/A<br>ppm         | 152<br>76   |          |  |
|                                    | POTASSIUM*                     | lb/A<br>ppm         | 304<br>152  |          |  |
|                                    | SODIUM*                        | lb/A<br>ppm         | 452<br>226  |          |  |
|                                    | <b>BASE SATURATION PERCENT</b> |                     |   |          |  |
|                                    | Calcium                        | %                   | 52.41   |          |  |
|                                    | Magnesium                      | %                   | 13.86   |          |  |
|                                    | Potassium                      | %                   | 8.53  |          |  |
|                                    | Sodium                         | %                   | 21.50   |          |  |
|                                    | Other Bases                    | %                   | 3.60  |          |  |
|                                    | Hydrogen                       | %                   | 0.00  |          |  |
| <b>EXTRACTABLE MINORS</b>          |                                |                     |   |          |  |
|                                    | Boron** (ppm)                  |                     | 1.33  |          |  |
|                                    | Iron** (ppm)                   |                     | 57  |          |  |
|                                    | Manganese** (ppm)              |                     | 9   |          |  |
|                                    | Copper** (ppm)                 |                     | 0.22  |          |  |
|                                    | Zinc** (ppm)                   |                     | 1.07  |          |  |
|                                    | Aluminum** (ppm)               |                     | 195   |          |  |
| <b>OTHER TESTS</b>                 | Soluble Salts (mmhos/cm)       |                     |   |          |  |
|                                    | Chlorides (ppm)                |                     |   |          |  |
|                                    | NO <sub>3</sub> -N (ppm)       |                     | 7.9   |          |  |
|                                    | NH <sub>4</sub> -N (ppm)       |                     | 0.8   |          |  |

a - alkaline soil

\* Ammonium Acetate Extractable (pH of 8.1)

\*\* Mehlich III Extractable