

# GROUNDWATER MONITORING DATA 2015

Landtasia Organic Farms Pty Ltd is required to publish environmental monitoring data under Section 66 (6) of the POEO Act 1997.

| Pollutant                   | UNIT OF MEASURE       | FREQUENCY | SAMPLING METHOD | Jan-15  | Apr-15  | Jul-15  | Oct-15  | No of samples required by license | No of samples collected & analysed | Lowest sample value | Mean of sample | Highest sample value |
|-----------------------------|-----------------------|-----------|-----------------|---------|---------|---------|---------|-----------------------------------|------------------------------------|---------------------|----------------|----------------------|
| Total Alkalinity            | Milligrams per litre  | Yearly    | Grab            | 247.00  |         |         |         | 1                                 | 1                                  | 247.00              | 247.00         | 247.00               |
| Calcium                     | Milligrams per litre  | Quarterly | Grab            | 80.00   | 81.00   | 76.00   | 80.00   | 4                                 | 4                                  | 76.00               | 79.25          | 81.00                |
| Chloride                    | Milligrams per litre  | Quarterly | Grab            | 629.00  | 610.00  | 625.00  | 575.00  | 4                                 | 4                                  | 575.00              | 609.75         | 629.00               |
| Fluoride                    | Milligrams per litre  | Quarterly | Grab            | 0.90    | 0.90    | 1.00    | 1.10    | 4                                 | 4                                  | 0.90                | 0.98           | 1.10                 |
| Iron                        | Milligrams per litre  | Quarterly | Grab            | 0.42    | 0.17    | 0.14    | 0.24    | 4                                 | 4                                  | 0.14                | 0.24           | 0.42                 |
| Magnesium                   | Milligrams per litre  | Quarterly | Grab            | 59.20   | 58.80   | 58.00   | 56.80   | 4                                 | 4                                  | 56.80               | 58.20          | 59.20                |
| Manganese                   | Milligrams per litre  | Quarterly | Grab            | 0.10    | 0.07    | 0.04    | 0.02    | 4                                 | 4                                  | 0.02                | 0.06           | 0.10                 |
| Nitrate                     | Milligrams per litre  | Quarterly | Grab            | 0.97    | 1.04    | 1.22    | 1.13    | 4                                 | 4                                  | 0.97                | 1.09           | 1.22                 |
| Nitrogen (NH <sub>3</sub> ) | Milligrams per litre  | Quarterly | Grab            | ND      | ND      | ND      | ND      | 4                                 | 4                                  | ND                  | ND             | ND                   |
| Organochlorine Pesticides   | Micrograms per litre  | Yearly    | Grab            | ND      |         |         |         | 1                                 | 1                                  | ND                  | ND             | ND                   |
| Organophosphate Pesticides  | Micrograms per litres | Yearly    | Grab            | ND      |         |         |         | 1                                 | 1                                  | ND                  | ND             | ND                   |
| pH                          | pH                    | Quarterly | in situ         | 6.99    | 7.10    | 7.18    | 7.09    | 4                                 | 4                                  | 6.99                | 7.09           | 7.18                 |
| Potassium                   | Milligrams per litre  | Quarterly | Grab            | 1.20    | 1.00    | 1.00    | 1.10    | 4                                 | 4                                  | 1.00                | 1.08           | 1.20                 |
| Sodium                      | Milligrams per litre  | Quarterly | Grab            | 312.00  | 329.00  | 311.00  | 309.00  | 4                                 | 4                                  | 309.00              | 315.25         | 329.00               |
| Sulphate                    | Milligrams per litre  | Quarterly | Grab            | 17.40   | 16.50   | 18.30   | 20.90   | 4                                 | 4                                  | 16.50               | 18.28          | 20.90                |
| TDS                         | Milligrams per litre  | Quarterly | Grab            | 1300.00 | 1420.00 | 1350.00 | 1360.00 | 4                                 | 4                                  | 1300.00             | 1357.50        | 1420.00              |
| TOC                         | Milligrams per litre  | Quarterly | Grab            | 3.00    | 4.00    | 3.00    | 4.00    | 4                                 | 4                                  | 3.00                | 3.50           | 4.00                 |
| Total Phenolics             | Micrograms per litres | Yearly    | Grab            | ND      |         |         |         | 1                                 | 1                                  | ND                  | ND             | ND                   |
| VOCs                        | Milligrams per litre  | Yearly    | Grab            | ND      |         |         |         | 1                                 | 1                                  | ND                  | ND             | ND                   |

\*ND = Not Detected