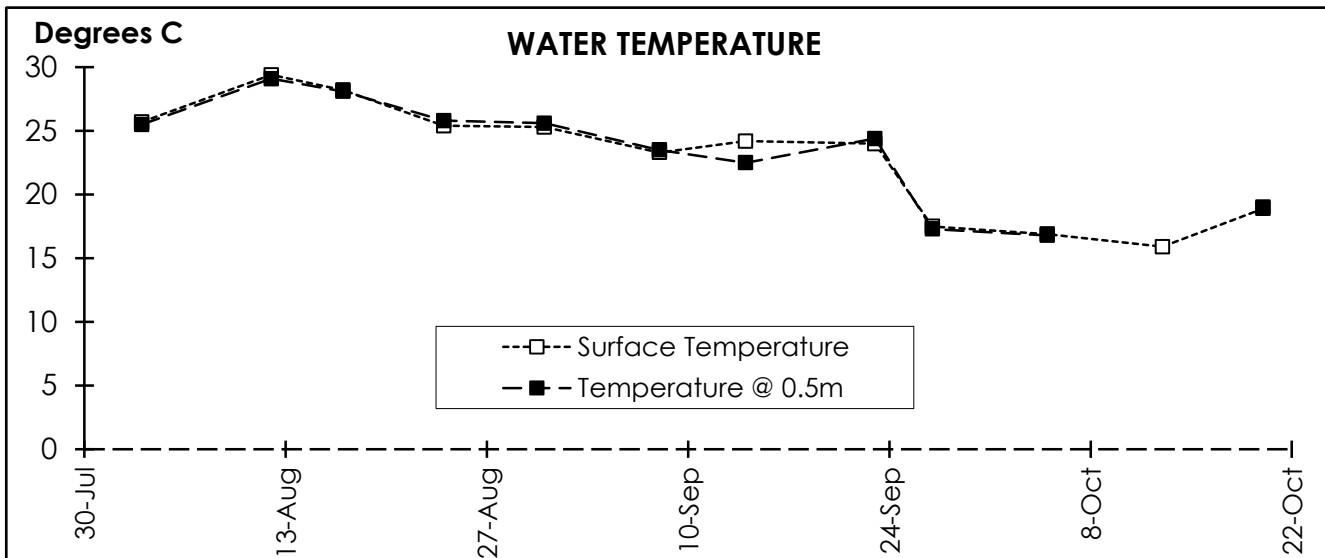
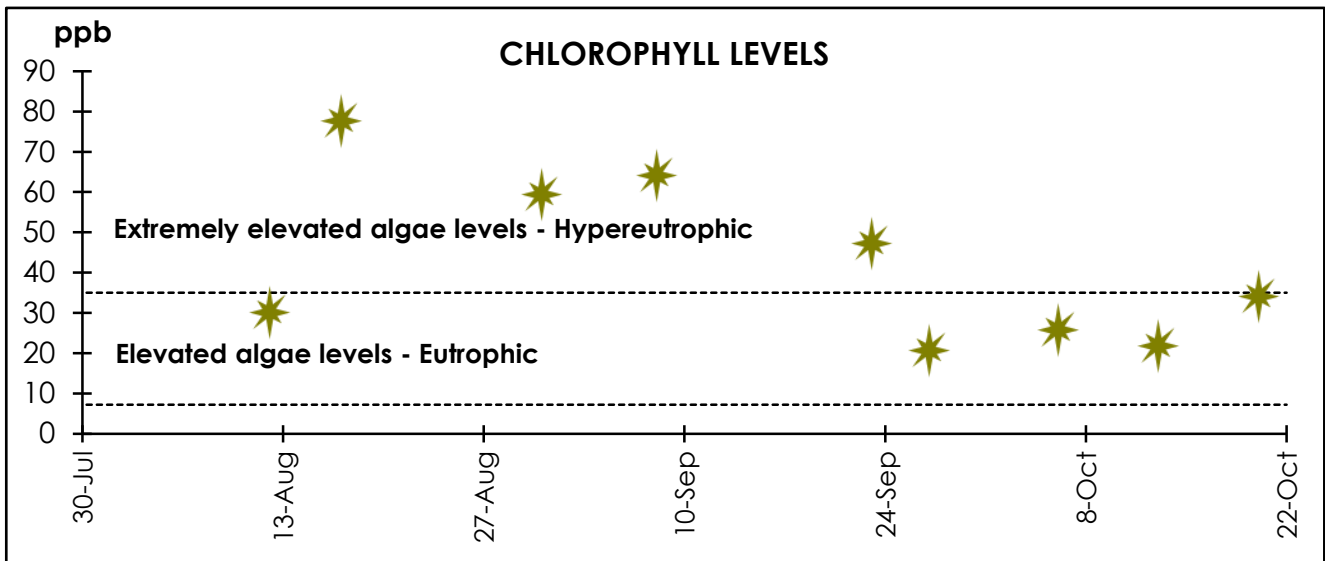
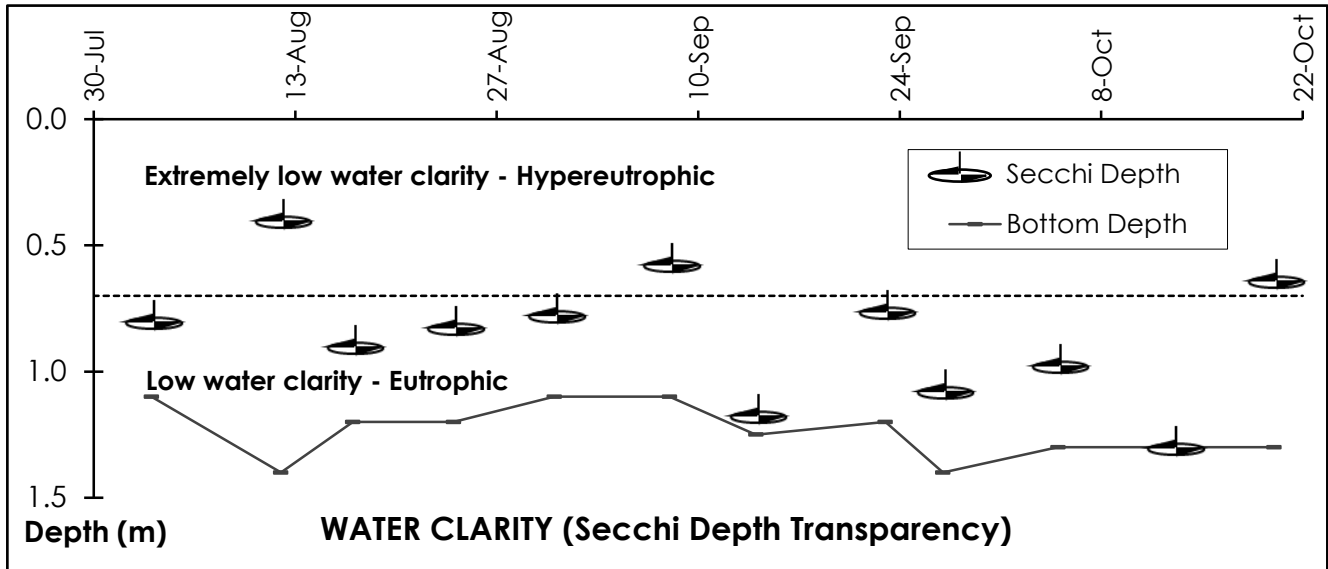


# 2016 Wesquage Pond



## 2016 WESQUAGE POND DATA

| <b>Wesquage Pond</b>                                                                                    | <b>MAY</b>                                            | <b>SEPT</b> | <b>OCT</b> |                |
|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-------------|------------|----------------|
|                                                                                                         | <b>-----Total Phosphorus (ppb) -----</b>              |             |            | <b>Mean</b>    |
| Wesquage Pond @ 0.5 m                                                                                   | -                                                     | 45          | 31         | <b>38</b>      |
| <i>RIDEM lake maximum average TP value 25 ppb</i>                                                       |                                                       |             |            |                |
| <i>CEQ recommends maximum 100 ppb TP instream</i>                                                       |                                                       |             |            |                |
|                                                                                                         | <b>-----Dissolved Phosphorus (ppb) -----</b>          |             |            | <b>Mean</b>    |
| Wesquage Pond @ 0.5 m                                                                                   | -                                                     | 18          | 8          | <b>13</b>      |
|                                                                                                         | <b>----- Total Nitrogen (ppb) -----</b>               |             |            | <b>Mean</b>    |
|                                                                                                         | Rounded to 5 ppb                                      |             |            |                |
| Wesquage Pond @ 0.5 m                                                                                   | -                                                     | 1415        | 1065       | <b>1240</b>    |
| <i>Total nitrogen levels in lakes and ponds above 750 ppb considered elevated.</i>                      |                                                       |             |            |                |
| <i>US EPA recommended maximum total nitrogen levels for northeast streams = 710 ppb</i>                 |                                                       |             |            |                |
|                                                                                                         | <b>----- Nitrate-Nitrogen (ppb) -----</b>             |             |            | <b>Mean</b>    |
|                                                                                                         | Rounded to 5 ppb                                      |             |            |                |
| Wesquage Pond @ 0.5 m                                                                                   | -                                                     | ND          | ND         | <b>&lt;15</b>  |
| <i>ND = No Detect    Limit of Detection = 15 ppb</i>                                                    |                                                       |             |            |                |
| <i>Mean determined with half the limit of detection (7.5 ppb) in place of ND</i>                        |                                                       |             |            |                |
|                                                                                                         | <b>----- Ammonia-Nitrogen (ppb) -----</b>             |             |            | <b>Mean</b>    |
|                                                                                                         | Rounded to 5 ppb                                      |             |            |                |
| Wesquage Pond @ 0.5 m                                                                                   | -                                                     | 75          | 35         | <b>55</b>      |
|                                                                                                         | <b>----- Chlorides (ppm) -----</b>                    |             |            | <b>Mean</b>    |
| Wesquage Pond @ 0.5 m                                                                                   | -                                                     | -           | -          | -              |
| <i>Chlorides not measured because Wesquage is a brackish pond, with high chloride levels naturally.</i> |                                                       |             |            |                |
|                                                                                                         | <b>----- Enterococci (per 100 mLs) -----</b>          |             |            | <b>Maximum</b> |
| Wesquage Pond @ 0.5 m                                                                                   | -                                                     | <10         | <10        | <b>&lt;10</b>  |
| <i>RIHealth Standard for Recreational Contact: Maximum 61 Enterococci per 100 mLs</i>                   |                                                       |             |            |                |
|                                                                                                         | <b>----- pH -----</b>                                 |             |            | <b>Minimum</b> |
| Wesquage Pond @ 0.5 m                                                                                   | -                                                     | 8.7         | 8.9        | <b>8.7</b>     |
| <i>pH of 6 - 9 considered normal</i>                                                                    |                                                       |             |            |                |
|                                                                                                         | <b>----- Alkalinity (mg/l CaCO<sub>3</sub>) -----</b> |             |            | <b>Minimum</b> |
| Wesquage Pond @ 0.5 m                                                                                   | -                                                     | 59.2        | 52.0       | <b>52.0</b>    |

### USEPA Alkalinity Classification:

ACIDIFIED: ( < 1 ppm with pH < 5.0)  
 CRITICAL: ( < 2 ppm)  
 ENDANGERED ( 2-5 ppm)

HIGHLY SENSITIVE: ( 5-10 ppm)  
 SENSITIVE: ( 10-20 ppm)  
 NOT SENSITIVE ( >20 ppm)