

## Vancouver Lake E-Coli Monitoring 2016

|                   | <u>31-May</u> | <u>13-Jun</u> | <u>27-Jun</u> | <u>11-Jul</u> | <u>25-Jul</u> | <u>8-Aug</u> | <u>22-Aug</u> | <u>6-Sep</u> |
|-------------------|---------------|---------------|---------------|---------------|---------------|--------------|---------------|--------------|
| Temperature C°    | 21            | 20.2          | 23            | 21.2          | 23.5          | 21.7         | 23.2          | 18.7         |
| DO                | 8.9           | 8.7           | 7.51          | 7.87          | 8.1           | 9.48         | 7.17          | 5.24         |
| Percent DO        | 99            | 97.3          | 87.6          | 89.9          | 94.8          | 110          | 82.3          | 58.1         |
| Conductivity (µS) | 140.4         | 129.5         | 142.1         | 140.4         | 150.7         | 134.8        | 149.6         | 145.9        |
| Turbidity (NTU)   |               | 17.4          | 16.9          | 15            | 23.5          | 23.6         | 22.2          | 50.8         |
| pH                | 8.5           | 7.49          | 8.41          | 8.6           | 8.45          | 9.47         | 9             |              |
| Ambient Air F°    | 75.3 °F       | 64.8°F        | 84.8°F        | 74°F          | 78.4°F        | 79°F         | 79.3°F        |              |

### E-Coli Sample Sites

|           |     |      |     |      |           |    |    |      |
|-----------|-----|------|-----|------|-----------|----|----|------|
| VANL63    | 7.4 | 9.8  | <1  | 5.2  | 12.2      | 1  | 1  | 5.2  |
| VANL64    | 4.1 | 7.3  | 4.1 | 4.1  | 6.3       | <1 | 1  | 14.8 |
| VANL65    | 8.6 | 8.5  | 5.2 | 27.6 | 17.1      | <1 | <1 | 10.8 |
| VANL66    | 4.1 | 10.9 | 1   | 9.8  | <b>16</b> | 2  | <1 | 7.5  |
| VANL67    | 2   | 2    | 1   | 5.2  | 17.3      | 1  | 2  | 13.4 |
| Duplicate | 3.1 | 4.1  | 8.6 | 5.2  | 7.4       | 3  | 2  | 8.6  |

| Comments | 31-May   | 13-Jun                            | 27-Jun                        | 11-Jul  | 25-Jul   | 8-Aug   | 22-Aug   | 6-Sep   |
|----------|--|-----------------------------------|-------------------------------|---|--|---|--|---|
|          | Turbidity not taken, observed around a dozen swimmers. No geese present. | Observed 9 swimmers and no geese. | 9 swimmers and a few kayakers | No swimmers present and a few kayakers on lake. | Dozen paddle boarders and 10 swimmers present. | Numerous seagulls and a dozen kayakers present and no swimmers. | Observed no swimmers, around 10 kayakers/paddle boarders | No water fowl or swimmers present. One fisherman present. |

NOTE: The EPA recommended level for closing a beach is 236

\* = duplicate was sampled from that site

## Vancouver Lake Cyanobacteria Results 2016

Cell Density (Number of cells per ml.) composite sample

|               |  |  |  |  |  |      |  |
|---------------|--|--|--|--|--|------|--|
| Sample Date:  |  |  |  |  |  |      |  |
| Toxin Levels: |  |  |  |  |  |      |  |
| Microcystin:  |  |  |  |  |  | 0.3  |  |
| Anatoxin-a:   |  |  |  |  |  | <MDL |  |

\* The standard for closing the swimming area is: microcystin : 6µg/L ; anatoxin-a : 1µg/L