Sample Location: Center Lake Hanna
Collector(s): Baker / Lusinoti
Date/Time: 10/1/79 - 12
Received By: N. Ray
Date/Time: 10/1/79 - 13
Remarks:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dissolved Oxygen</td>
<td>1.5 mg/l</td>
</tr>
<tr>
<td>BOD₅</td>
<td>2.0 mg/l</td>
</tr>
<tr>
<td>Nitrites</td>
<td>0.08 mg/l</td>
</tr>
<tr>
<td>N-Kjel</td>
<td>0.03 mg/l</td>
</tr>
<tr>
<td>Total Coliforms</td>
<td>500/100 ml</td>
</tr>
<tr>
<td>Fecal Coliforms</td>
<td>300/100 ml</td>
</tr>
</tbody>
</table>

Lab Supervisor: L. A. Cardinale
Date: 10-8-79
Sample Location: Lake Hama
Collector(s): R. Baker / E. Lesniew Date/Time: 10-1-79 11:30
Received By: N. Rey Date/Time: 10-1-79 13:00
Remarks:

\[
\text{Total Coliform} = 500/100mL
\]

\[
\text{Fecal Coliform} = 300/100mL
\]

Lab Supervisor: T. Cardicale Date: 10-3-79
HILLSBOROUGH COUNTY ENVIRONMENTAL PROTECTION COMMISSION
BACTERIOLOGICAL RESULTS
MEMBRANE FILTER DATA SHEET

Location: Center of Lake Hama
Collector (s): Baker Haspert
Received by: N. Roy
Coll. Date: 10-1-79
Time: 1130
Analyzed by: N.E.
Date: 10-1-79
Time: 1300
Date: 10-1-79

Code: TNTC Too Numerous to Count
      T Typical Colonies
      AT Atypical Colonies
      NC No Colonies

<table>
<thead>
<tr>
<th>MF No.</th>
<th>MEDIUM</th>
<th>SAMPLE VOL ML.</th>
<th>COUNT</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>M-Ends</td>
<td>1.0</td>
<td>5</td>
<td>TAT</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>0.1</td>
<td>0</td>
<td>AT</td>
</tr>
<tr>
<td>1</td>
<td>MFC</td>
<td>1.0</td>
<td>3</td>
<td>TAT</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>0.1</td>
<td>0</td>
<td>AT</td>
</tr>
</tbody>
</table>

35.50°C Final Presumptive Coliform Count: 500 Colonies/100 ml.

Calculation: No. of Colonies of Indicator Organism
No. of ml. of Sample filtered x 100 = No. of Colonies/100 ml. Sample

44.50°C Final Confirmed Fecal Coliform Count: 360 Colonies/100 ml.
### FIVE-DAY BOD ANALYSIS - LAB SHEET

**Sample Source:** Lake Hanna  
**Date Collected:** 10-2-79  
**Date Set-up:** 10-3-79  

<table>
<thead>
<tr>
<th>Sample</th>
</tr>
</thead>
</table>
| Percent Conc. | 100%  
| mls/liter | 1000  
| BOD Bottle # | 662  
| D.O. Meter - Initial | 8.11  
| D.O. Meter - Final Reading mg/l | 6.10  
| Actual Depletion mg/l | 2.01  
| Dilution Factor | 1  
| BOD mg/l | $2.0 \times 0.83 = 1.7$  

BOD mg/l = Actual Depletion mg/l $\times$ Dilution Factor

\[
\text{Avg. Ins. BOD} = \frac{(\text{Avg. Inf. BOD}) - (\text{Avg. Eff. BOD})}{\text{Avg. Inf. BOD}} \times 100
\]

\[
\text{% BOD removal} = \frac{\text{(Avg. Inf. BOD)} - (\text{Avg. Eff. BOD})}{\text{Avg. Inf. BOD}} \times 100
\]

*Note: Values multiplied by 6-day BOD factor ($5\% = 0.93$)*