ENVIRONMENTAL INDICATORS -
Cook's Bay Annual Grades

<table>
<thead>
<tr>
<th>Year</th>
<th>TP (ug/L)</th>
<th>Grade</th>
<th>CLA (ug/L)</th>
<th>Grade</th>
<th>Secchi (m)</th>
<th>Grade</th>
<th>Final Grade</th>
<th>Numeric Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>1969</td>
<td>53.2</td>
<td>C</td>
<td>24.3</td>
<td>C</td>
<td>1.1</td>
<td>D</td>
<td>C-</td>
<td>1.67</td>
</tr>
<tr>
<td>1981</td>
<td>50.0</td>
<td>C</td>
<td>24.0</td>
<td>C</td>
<td>1.6</td>
<td>C</td>
<td>C</td>
<td>2.00</td>
</tr>
<tr>
<td>1982</td>
<td>41.0</td>
<td>C</td>
<td>20.0</td>
<td>B</td>
<td>1.3</td>
<td>C</td>
<td>C+</td>
<td>2.33</td>
</tr>
<tr>
<td>1996</td>
<td>32.6</td>
<td>C</td>
<td>5.2</td>
<td>A</td>
<td>2.9</td>
<td>B</td>
<td>B</td>
<td>3.00</td>
</tr>
<tr>
<td>1997</td>
<td>33.9</td>
<td>C</td>
<td>7.1</td>
<td>A</td>
<td>3.1</td>
<td>A</td>
<td>B+</td>
<td>3.33</td>
</tr>
<tr>
<td>1998</td>
<td>30.9</td>
<td>B</td>
<td>10.0</td>
<td>B</td>
<td>2.3</td>
<td>B</td>
<td>B</td>
<td>3.00</td>
</tr>
<tr>
<td>1999</td>
<td>36.6</td>
<td>C</td>
<td>9.8</td>
<td>A</td>
<td>1.8</td>
<td>C</td>
<td>B-</td>
<td>2.67</td>
</tr>
<tr>
<td>2000</td>
<td>29.5</td>
<td>B</td>
<td>7.5</td>
<td>A</td>
<td>2.5</td>
<td>B</td>
<td>B+</td>
<td>3.33</td>
</tr>
<tr>
<td>2001</td>
<td>26.4</td>
<td>B</td>
<td>7.2</td>
<td>A</td>
<td>2.5</td>
<td>B</td>
<td>B+</td>
<td>3.33</td>
</tr>
<tr>
<td>2002</td>
<td>39.8</td>
<td>C</td>
<td>12.3</td>
<td>B</td>
<td>2.2</td>
<td>B</td>
<td>B-</td>
<td>2.67</td>
</tr>
<tr>
<td>2003</td>
<td>27.9</td>
<td>B</td>
<td>12.0</td>
<td>B</td>
<td>2.3</td>
<td>B</td>
<td>B</td>
<td>3.00</td>
</tr>
<tr>
<td>2004</td>
<td>32.1</td>
<td>C</td>
<td>15.6</td>
<td>B</td>
<td>1.9</td>
<td>C</td>
<td>C+</td>
<td>2.33</td>
</tr>
<tr>
<td>2005</td>
<td>33.5</td>
<td>C</td>
<td>13.3</td>
<td>B</td>
<td>2.5</td>
<td>B</td>
<td>B-</td>
<td>2.67</td>
</tr>
<tr>
<td>2006</td>
<td>29.5</td>
<td>B</td>
<td>9.6</td>
<td>A</td>
<td>2.0</td>
<td>C</td>
<td>B</td>
<td>3.00</td>
</tr>
<tr>
<td>2007</td>
<td>39.1</td>
<td>C</td>
<td>13.1</td>
<td>B</td>
<td>1.7</td>
<td>C</td>
<td>C+</td>
<td>2.33</td>
</tr>
<tr>
<td>2008</td>
<td>25.4</td>
<td>B</td>
<td>12.9</td>
<td>B</td>
<td>2.4</td>
<td>B</td>
<td>B</td>
<td>3.00</td>
</tr>
<tr>
<td>2009</td>
<td>28.6</td>
<td>B</td>
<td>11.8</td>
<td>B</td>
<td>2.3</td>
<td>B</td>
<td>B</td>
<td>3.00</td>
</tr>
</tbody>
</table>

GPA 2.74
B-

THREE FACTORS IN THE LAKE GRADE

<table>
<thead>
<tr>
<th>Total Phosphorus (TP)</th>
<th>The total phosphorus measure. Increased phosphorus relates closely to increased algae, frequency of algae blooms and the increased quantity of blue-green algae.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chlorophyll-a (CLA)</td>
<td>Chlorophyll-a or the green pigment in plants is essential to photosynthesis. A measure of its presence in water estimates algae abundance.</td>
</tr>
<tr>
<td>Secchi Disk (SD)</td>
<td>The Secchi disk transparency. The deeper the Secchi disk is visible, the clearer the water appears.</td>
</tr>
<tr>
<td>------------------------------</td>
<td>---------------------------------------------------------------------</td>
</tr>
<tr>
<td>A 9 lakes (15%)</td>
<td>19 lakes (21%)</td>
</tr>
<tr>
<td>B 13 lakes (21%)</td>
<td>16 lakes (17%)</td>
</tr>
<tr>
<td>C 22 lakes (36%)</td>
<td>26 lakes (28%)</td>
</tr>
<tr>
<td>D 15 lakes (25%)</td>
<td>22 lakes (24%)</td>
</tr>
<tr>
<td>F 2 lakes (3%)</td>
<td>9 lakes (10%)</td>
</tr>
</tbody>
</table>

**COUNTYWIDESTATISTICS OF LAKES MONITORED**

<table>
<thead>
<tr>
<th></th>
<th>2009 H.C. Lakes</th>
<th>10 Yr Ave</th>
<th>Standard Curve</th>
</tr>
</thead>
<tbody>
<tr>
<td>A's</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B's</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C's</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D's</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>F's</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>