## Trigger Levels for Human and Animal Health

<table>
<thead>
<tr>
<th>Criteria</th>
<th>No Advisory a</th>
<th>CAUTION (TIER 1)</th>
<th>WARNING (TIER 2)</th>
<th>DANGER (TIER 3)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Microcystins b</td>
<td>&lt; 0.8 µg/L</td>
<td>0.8 µg/L</td>
<td>6 µg/L</td>
<td>20 µg/L</td>
</tr>
<tr>
<td>Anatoxin-a</td>
<td>Non-detect c</td>
<td>Detected c</td>
<td>20 µg/L</td>
<td>90 µg/L</td>
</tr>
<tr>
<td>Cylindrospermopsin</td>
<td>&lt; 1 µg/L</td>
<td>1 µg/L</td>
<td>4 µg/L</td>
<td>17 µg/L</td>
</tr>
<tr>
<td>Cell Density of potential toxin producers</td>
<td>&lt; 4,000 cells/mL</td>
<td>4,000 cells/mL</td>
<td>______</td>
<td>______</td>
</tr>
<tr>
<td>Site-specific indicator(s)</td>
<td>No site-specific indicators present</td>
<td>Discoloration, scum, algal mats, soupy or paint-like appearance.</td>
<td>______</td>
<td>______</td>
</tr>
</tbody>
</table>

* Action levels are met when one or more criteria are met.

a For de-posting, all criteria for no advisory must be met for a minimum of 2 weeks. General awareness sign may remain posted and healthy water habits are still recommended.

b Microcystins refers to the sum of all measured Microcystin congeners.

c Must use an analytical method that detects ≤ 1µg/L Anatoxin-a.
Response Decision Tree for Planktonic Blooms

1) Surveillance and General Awareness

2) Initial Discovery of Potential HAB OR HAB-Related Illness and Reporting*

3) Interagency Response Coordination and Communication

4) Field Screening

5) Sampling for Lab Analysis

6) Posting Advisory Sign

7) Continue Monitoring During Advisory

8) De-posting Advisory and Routine Monitoring

Are Site-Specific Indicators Present? Suspected Illness?

If Results ≥ Trigger Levels Post Advisory Sign

CAUTION WARNING DANGER

Monitor for Changes During Recreation Season (Return to Step 4)

Continue Monitoring During Recreation Season (Return to Step 4)

Does Waterbody Meet De-posting Criteria?

De-Post Advisory

Continue Monitoring for Changes During Recreation Season (Return to Step 4)

*Reports are submitted online at: https://mywaterquality.ca.gov/habs/do/bloomreport.html
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