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Cc: [Whiting, David D.](#); [DeAngelo, Gregory](#); [Espy, Julie](#)
Subject: Algal Bloom Resampling Guidance
Date: Friday, August 27, 2021 3:23:16 PM
Attachments: [image001.png](#)

Hi all,

There are many factors to consider when determining whether you need to resample a site for algal bloom response. The following decision tree should be helpful for teams when you're trying to sort that out. As always, feel free to check in with me, Alicia, Kalina, or Dave if you aren't sure.

When we receive an algal bloom report, we collect a sample if the site meets our criteria (water of state, public access, etc – see training for those details). Resampling timeframes below are the target timeframes. Resampling is generally more urgent if detections are higher and/or it's a heavy recreation area. Once toxin results are received, follow this decision key to determine if you need to resample:

1a. Any toxin detected at any level - 2

1b. Toxins not detected - 4

2a. The detection is >PQL – resample the following week

2b. The detection is between the MDL and PQL (trace level, I-qualified) - 3

3a. There have been 0-5 previous trace detections *for this toxin* at this site – resample 2-4 weeks later

3b. This is the 6th trace level result for this toxin - STOP

4a. Algal ID sample dominated by toxin producing taxa and the corrected chlorophyll *a* result is >20 µg/L – resample 2-4 weeks later

4b. Algal ID sample dominated by toxin producing taxa and the corrected chlorophyll *a* result is ≤20 µg/L – 5

4c. Algal ID sample NOT dominated by toxin producing taxa - 5

5a. Bloom condition still visible - resample 2-4 weeks later if this is the first or second time you have resampled for this reason. Do not sample more than 3 times if toxins continue to be non-detect.

5b. Bloom condition not still visible - STOP.

Thanks all!



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