

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

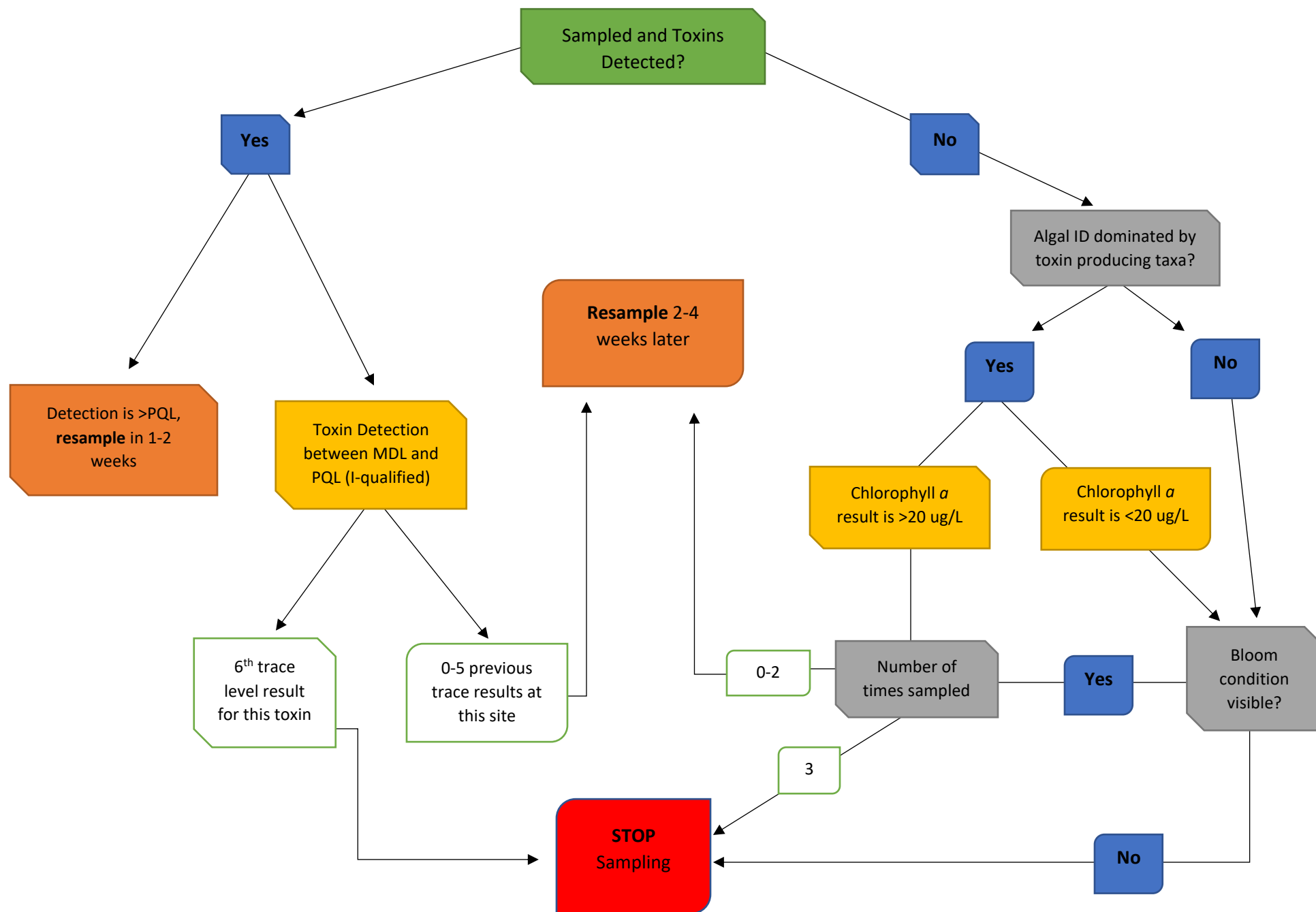
4b. Algal ID sample dominated by toxin producing taxa and the corrected chlorophyll *a* result is ≤20 µg/L – 5

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

5a. Bloom condition 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 visible - STOP.

Algal Bloom Sampling Flowchart



This chart is subject to change and resampling timeframes are the goal – discuss with supervisor if timeframe is not achievable due to other priorities