Maine Phytoplankton Monitoring Program
ID and Analysis Decision Tree

**Critical HAB Early Warning**

Field Sample Collection

Microscope Analysis

Target Cells

Biodiversity (Volunteers Only)

Count Cells

Dominant Species Index

**AL** ≥ 1
≥1 Cell/L

**PN** ≥ 2,000 Large or
>15,000 Small Cells/L

Scotia Rapid Test

*Used for *Alexandrium* identification only if needed. New DMR staff must complete for first two identifications or have a trained staff member confirm identification.*

**Whole Seawater Counts on Request**

**PN** >2,000 Large or
>15,000 Small Cells/L

**AL** ≥ 1
PN ≥ 100
D. spp/PL ≥ 100

**Target Cell Alert Email**

*Used to determine toxin production. Discontinue Scotia testing if positive result.*

**Lugols On DMR Request Only**

**Datasheet Report**

Updated 5/21/2020