

**Division of Water Monitoring and Standards
Bureau of Freshwater & Biological Monitoring (BFBM)
Harmful Algae Bloom (HAB) Situational Status Report**

July 25, 2018

Status Report #1 - Initial

Incident Description

- **Deal Lake, Asbury Park, Monmouth County**
 - Date of Incident: 7/23/18
 - Date Reported to BFBM: 7/23/18
 - DEP Hotline Case # 18-07-25-1457-55
- **Reported Information:** Suspected HAB reported by Monmouth County Health Department(MCHD).
- **Waterbody Ownership:** Monmouth County
- **Partner Agency (s):** Monmouth County Health Dept.(MCHD)
- **External Notifications:** None at this time.

Current Assessment

- **Drinking Water Source:** No
- **Recreational Exposure:** There are no freshwater bathing beaches in Monmouth County. Recreation at Deal Lake is mostly boating (e.g. kayaking, canoeing) and fishing.
- **Upstream/ Downstream Impacts:** Outlet to ocean, but no beach impacts.

Investigation Status

Response

MCHD sampled suspected HAB at Deal Lake on 7/23/2018 and delivered samples to BFBM for analysis.

Results .

Cell Count: > 20,000 cells/ml. *Dolichospermum*, *Pseudanabaena*, *Aphanizomenon*, and *Cylindrospermopsis* dominant taxa.

Microcystins: 0.70 µg/L

*NJ Health Advisory Guidance Levels Cell Count > 20,000 cells/ml;
Microcystins 3µg/L

Advisory

Recommended:

The following advisory posted at public access points:

Danger/ High Risk - No Contact and Ingestion (Humans and Animals)

A confirmed Harmful Algal Bloom is present with levels quantified at or above the NJ Health Advisory Guidance. Do not drink or have contact with the water including, but not limited to, swimming, wading, and watersports. Fish caught in this waterbody should not be eaten. Pets and livestock should not contact or drink the water.

Continued Actions

Recommend continued surveillance until bloom subsides below NJ Health Advisory Guidance Levels. BFBM will perform follow-up analysis when informed by MCHD the bloom has visually subsided.

Next Updates

Following confirmation analysis when bloom subsides, or change in status by MCHD.