

The Monmouth County Board of Health

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Phytoplankton Identification/Enumeration Report

Sample ID 072616.2

Coll 7/26/2016 8:25am L Charbonneau

Location- Sunset Lake Corner of Bond St and Sunset Ave by Outfall Asbury Park, NJ

Dissolved Oxygen: 2.14 mg/l @ 24.0 C

Diatoms Observed:

Rhizosolenia sp (900cells/ml)
Navicula sp (700cells/ml)
Skeletonema sp (200cells/ml)
Chaetoceros sp (200cells/ml)
Straurastrum sp (60cells/ml)

Flagellates Observed:

Trachelomonas sp (4220cells/ml)
Euglena sp (2300cells/ml)
Nannochloris sp (1500cells/ml)
Chlorella sp (600cells/ml)
Prorocentrum sp (260cell/ml)
Chroomonas sp (120cells/ml)
Dinophysis sp (60cell/ml)

Also Noted: High amount of detritus

Field Sampler Observations: Sampled in area with floatables- aquatic grasses and pollen spores. Water appeared fluorescent green.