



WAMPANOAG ENVIRONMENTAL LABORATORY CYANOBACTERIA MONITORING

Sample Date: *July 5, 2022*
Water Body: *Squibnocket Pond*
Sampling Location: *Howland Path landing, Aquinnah, MA*

Warning Tier: **LOW**

Sample Review:

Laboratory field team sampled the Aquinnah's Howland Path access point for Squibnocket Pond, Tuesday, July 5, 2022 for the purpose of cyanobacteria analysis.

The sample was analyzed via fluorometry and microscopy for phycocyanin and cyanobacteria speciation. The sample and environment present indicate that a health advisory would not be required at this time for this location. Algal mats were not observed within the vicinity of the sampling location (See image below). No cyanobacteria cells were present under the microscope. The phycocyanin level was found to be 4.64 ppb. Using the APCC's (Association to Preserve Cape Cod) monitoring program guidelines, our results would warrant a warning tier of "Low" due to the phycocyanin levels being below the threshold of $<160 \mu\text{g/L}$ and no detectable cyanobacteria present.



Images of the Aquinnah access point at the end of the Howland Path at the time of sample collection 7/05/2022

Andrew Jacobs

Andrew Jacobs
Laboratory Manager/Environmental Technician
Wampanoag Environmental Laboratory
Wampanoag Tribe of Gay Head (Aquinnah)