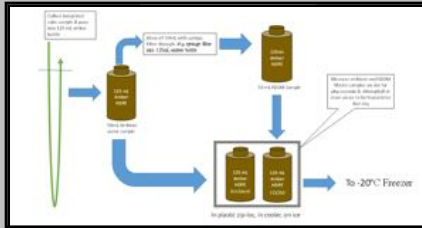




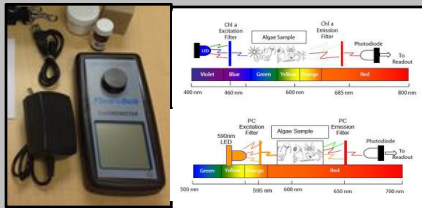
The **NEW ENGLAND CYANOBACTERIA WORKGROUP** uses a **3-prong** approach to **monitor & document cyanobacteria in the region**

CYANO MONITORING

lake water is collected to examine long-term & seasonal patterns of cyanobacteria



collected from shore or boat



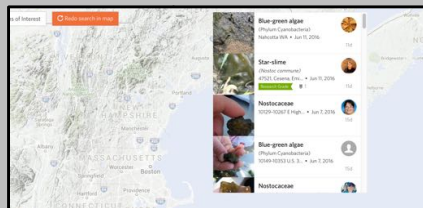
analyzed for phycocyanin and chlorophyll

BLOOMWATCH APP

the bloomWatch App is used to photograph blooms and lake conditions



additional info is documented



picture & details sent to database and relevant state authorities

CYANOSCOPE

cyanobacteria are collected, concentrated and viewed under a microscope



cyanos are ID'ed using the "Dirty Dozen" key



pictures and identification submitted and shared for confirmation and analysis

DATA GATHERED FOR MAPPING & ANALYSIS

pictures and data will be made available online and will be shared with relevant authorities, scientists and other stakeholders

location and duration of HCBs
vulnerability assessment
geomorphology and landcover effects
lake associations
citizen awareness
HCBs related to climatic factors
public health
seasonal cyanobacteria dynamics
educational programs
web-based maps of HCBs
outreach and engagement
local planning
lake management
scientific community general public education and outreach

TRAINING VIA MOBILE LAB



training in all three approaches

all states in the region in 2016

coordinated with local lake organizations

RESOURCES ON CYANOS.ORG

outreach, program information, training, resources, data and analysis

