

# NH Envirothon

## Aquatic Ecology Resources

### 2024

These resources are meant to be helpful places to start student studying efforts. This should not be used as an exclusive list but more as a guide. In addition, there may be topics on this list that are not directly tested on but are there to build your basic understanding for more complex questions.

#### Hydrosphere

- 💧 [The Water Cycle | U.S. Geological Survey \(usgs.gov\)](#) (information about water cycle)
- 💧 [Water Basics Information by Topic | U.S. Geological Survey \(usgs.gov\)](#) (basic information about Earth's water resources)

#### Aquatic Ecosystems

- 💧 [Slide 1 \(wordpress.com\)](#) (how to delineate watersheds and understand topographic maps)
- 💧 [How to Read a Topographic Map and Delineate a Watershed \(state.mn.us\)](#) (how to determine stream flow from a topographic map)
- 💧 <https://www.youtube.com/watch?v=yvT0wOuS2c> (video on sediment and streamflow)

#### Organisms

- 💧 “An Image-Based Key To Stream Insects” , University of New Hampshire Center for Freshwater Biology”: <http://cfb.unh.edu/StreamKey/html/index.html>
- 💧 [Macroinvertebrate ID Resources – Virginia Save Our Streams \(vasos.org\)](#) (specifically the macroinvertebrate pollution sensitivities)
- 💧 <https://dnr.maryland.gov/education/Documents/Aquatic%20Insect%20Ecology.pdf>
- 💧 [Fish Species of NH | State of New Hampshire Fish and Game](#) (species of fish found in NH)

#### Aquatics and Society

- 💧 [ASDSO Dam Safety Toolbox \(damtoolbox.org\)](#)
- 💧 [Dam Removal and River Restoration](#)
- 💧 [Dams - the Advantages and Disadvantages](#)
- 💧 [Climate Change Complicates the Whole Dam Debate](#)
- 💧 [Climate Impacts of Hydropower: Enormous Differences among Facilities and over Time \(fomb.org\)](#) (Research paper on the climate impacts of hydropower)
- 💧 [es-2016-04447e 1.8 \(vt.edu\)](#) (research paper concerning Hydroelectric Power/Methylmercury-2016)
- 💧 [Benefits of Hydropower | Department of Energy](#)
- 💧 [Best Management Wetlands Practices \(BMWP's\) for Agriculture](#)

#### Field Skills

- 💧 [Interpreting VRAP Water Quality Monitoring Chemical Parameters](#)