



2022 NH Envirothon

Aquatic Ecology Resources

Aquatic Ecosystems

- Information provided at the 2021 Envirothon Aquatics Team teacher training webinar (copy and paste the link into a web browser):
https://drive.google.com/drive/folders/1NW-T5PcmhkB1G-SjjOy2LTvOA_Qfo00X

Dam Safety and Dam Removal

- [Dam Removal and River Restoration](#)
- [The Souhegan River Flood Control Sites of New Ipswich, NH](#)
- [Dams - the Advantages and Disadvantages](#)
- [Dams Help the NW Cope with Climate Change](#)
- [Climate Change Complicates the Whole Dam Debate](#)

Water Quality and Macroinvertebrates

- “An Image-Based Key To Stream Insects” , University of New Hampshire Center for Freshwater Biology”: <http://cfb.unh.edu/StreamKey/html/index.html>
 - A secondary image based key that provides additional images that may help you differentiate macroinvertebrate types.
- “BioSITE” curriculum, Children’s Discovery Museum of San Jose:
<http://www.cdm.org/biosite/curriculum.html>
 - Unit 8, Macroinvertebrates**, see the **Introduction to Macroinvertebrates** activity which includes brief intros to pollution tolerance, types of macros, adaptations and metamorphosis.
- [Interpreting VRAP Water Quality Monitoring Chemical Parameters](#)
- Water Quality Parameters Explanation: <https://www.fondriest.com/environmental-measurements/parameters/water-quality/>

Stream Dynamics and Geomorphology

- 💧 <https://www.youtube.com/watch?v=yyvT0wOuS2c>
- 💧 <https://www.youtube.com/watch?v=oxowZSjbGXE>
- 💧 <https://www.youtube.com/watch?v=54FELLjNcRU>
- 💧 <https://www.youtube.com/watch?v=E-nEAqe7gIU>

Climate Change, Floodplains and River Impacts

- 💧 As recently as October 2017, a very heavy rain event caused a house to fall into the Baker River at Warren, travel downstream and be destroyed when impacting a nearby bridge. View the video at this link, and specifically focus on the first 34 seconds:
<https://www.youtube.com/watch?v=nr--P9mGzjE>

Best Management Practices (BMP's)

- 💧 [Best Management Wetlands Practices \(BMWP's\) for Agriculture](#) (review pages 145-156)
- 💧 [The Good Neighbor Guide to Keeping Horses](#)
- 💧 [Manual of Best Management Practices \(BMPs\) for Agriculture in New Hampshire](#) (review pages 9-22)
- 💧 [Manure and Nutrient Management](#)