

2018 Aquatics Ecology Resources

Aquatics Resources

1. Streamkeepers Field Guide
2. Healthy Water, Healthy People Water Quality Educators Guide—Contact Tina Harding, ND Project WET Coordinator for hard copy: tinamharding@nd.gov
3. Healthy Water, Healthy People Field Monitoring Guide Contact Tina Harding, ND Project WET Coordinator for hard copy: tinamharding@nd.gov
4. Living with a River Handbook:
https://www.ndhealth.gov/WQ/SW/Z1_NPS/PDF_Files/ProjectPublications/Living_With_A_River_Handbook.pdf
5. EPA Volunteer Stream Monitoring Manual: <https://www.epa.gov/sites/production/files/2015-06/documents/stream.pdf>
6. EPA Environmental Education: <https://www.epa.gov/education>
7. USGS Water Science School: <https://water.usgs.gov/edu/waterquality.html>

Here are some additional resources that will relate to North Dakota

- North Dakota State Water Commission: <http://swc.nd.gov>
 - A reference Guide to North Dakota Waters:
http://www.swc.nd.gov/pdfs/water_reference_guide.pdf
- Prairie Waters Education and Research Center: <http://www.vcsu.edu/prairiewaters/?cm=1>
 - <http://www.waterbugkey.vcsu.edu/>
 - <http://www.ndfreshwaterinverts.vcsu.edu/>
- ND Department of Health:
 - https://www.ndhealth.gov/WQ/SW/Z1_NPS/C_Educ_Links.htm
 - <https://www.epa.gov/students>

National Envirothon Aquatics Resources:

Abiotic Factors:

1. [USGS Water Science Basics: What is the Water Cycle?](#)
2. [Basic concepts on Watersheds](#)
3. [How to Read a Topographic Map and Delineate a Watershed](#)

Biotic Factors:

1. [Introduction to Watershed Ecology: Watershed Academy Web](#)
2. [NOAA The Endangered Species Act: Marine Species](#)
3. [Introduction to Freshwater Fish as Biological Indicators Pages 3-12](#)

Aquatic Environments

1. [USGS Ground water](#)
2. [Types of Wetlands](#)

3. Wetland Functions and Values
4. Benefits of Riparian Zones
5. Riparian Zones: Managing Early-Successional Habitats near the Water's Edge

Water Protection and Conservation

1. ANS Task Force
2. Summary of the Federal Clean Water Act: (SDWA)
3. The Quality of Our Nation's Water
4. GIS and Hydrology
5. Water Resources
6. Water Conservation
7. Polluted Runoff: Nonpoint Source Pollution

2018 Current Issue: Western Rangeland Management: Balancing Diverse Views

See national Envirothon website for resources

Tips for studying for the aquatics test questions:

- Review the curriculum guidelines posted on the national envirothon website :
<https://www.envirothon.org/the-competition/curriculum-guidelines>

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ADVISOR TO AQUATICS

- Review test writing formats and guidelines posted on the national envirothon website:
<https://www.envirothon.org/the-competition/test-writing>