

2019 Water Quality (B/C) – FRESHWATER (Yr. 1)

PART 1 – ECOLOGICAL PRINCIPLES

EPA's Surf Your Watershed

<http://www.epa.gov/surf/>

Limnology Basics

<https://cfpub.epa.gov/watertrain/pdf/limnology.pdf>

Lake Ecology

<http://www.waterontheweb.org/under/lakeecology/lakeecology.pdf>

Basics of Stream Ecology

<http://chamisa.freeshell.org/ecology.htm>

World Education Foundation

<http://www.water-ed.org/>

Hydrological Cycle

[http://ww2010.atmos.uiuc.edu/\(Gh\)/guides/mtr/hyd/home.rxml](http://ww2010.atmos.uiuc.edu/(Gh)/guides/mtr/hyd/home.rxml)

Hydrological or Water Cycle

[http://ww2010.atmos.uiuc.edu/\(Gh\)/guides/mtr/hyd/home.rxml](http://ww2010.atmos.uiuc.edu/(Gh)/guides/mtr/hyd/home.rxml)

PART 2-AQUATIC INVERTEBRATES AND NUISANCE SPECIES

Biological monitoring of Fresh Water

<http://www.chebucto.ns.ca/Science/SWCS/ZOOBENTH/BENTHOS/ii.html>

<http://lakes.chebucto.org/ZOOBENTH/BENTHOS/benthos.html>

<https://www.thoughtco.com/water-monitoring-and-aquatic-macroinvertebrates-1968647>

Leaf Pack Network

<http://www.stroudcenter.org/lpn/>

Pond Key

<http://watermonitoring.uwex.edu/pdf/level1/pondkey.pdf>

River Key

<http://watermonitoring.uwex.edu/pdf/level1/riverkey.pdf>

Aquatic Insect Fact Sheets

<https://sites.allegHENY.edu/creekconnections/aquatic-macroinvertebrate-fact-sheets/>

Name that Bug – an identification activity

<http://www.rayswords.com/bugs/bugs.htm>

Guide to Aquatic Invertebrates of the Upper Midwest – chapters are downloadable

<http://www.dep.wv.gov/WWE/getinvolved/sos/Pages/UMW.aspx>

Stream Study

http://www.ecospark.ca/uploads/File/ID_guides.pdf

http://www.ecospark.ca/uploads/File/data_analysis_handout.pdf

Stream Ecology and Biology

<http://chamisa.freeshell.org/index.htm>

Stream Study guides

<https://dep.wv.gov/WWE/getinvolved/sos/Pages/default.aspx>

PART 3- CHEMICAL ANALYSIS

Chemical monitoring of Fresh Water

<https://extension.psu.edu/interpreting-water-tests-for-ponds-and-lakes>

http://www.who.int/water_sanitation_health/resourcesquality/wqmchap6.pdf

<https://extension.psu.edu/interpreting-water-tests-for-ponds-and-lakes>

Understanding Lake Data

<http://learningstore.uwex.edu/Assets/pdfs/G3582.pdf>

Making a Salinometer or Hydrometer

https://www.soinc.org/sites/default/files/uploaded_files/Making%20A%20Simple%20Salinometer12.pdf

<https://www.wikihow.com/Build-a-Hydrometer>

<https://xellers.wordpress.com/electronics/digital-salinometer/>