

General Aquatic Ecology Resources

Watersheds, the water cycle, and water quality

<http://water.epa.gov/type/rsl/monitoring/vms21.cfm>

Managing for healthy riparian areas:

http://www.wildlife.state.nh.us/Wildlife/Northeast_Mgt_Guide/Ch09_Riparian_Zones.pdf

<http://ohioline.osu.edu/lis-fact/0001.html>

Wetland function and values:

<http://cfpub.epa.gov/watertrain/pdf/modules/WetlandsFunctions.pdf>

Lake Ecology:

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

Aquatic Ecology Monitoring Techniques:

<http://water.epa.gov/type/rsl/monitoring/index.cfm>

(Note: In particular see the links to Stream, Lake, and Wetland Volunteer Methods Manuals)

Wetlands as Habitat for Wildlife/Fisheries (species, life history traits, and how to manage for them):

Invertebrates:

http://www.dep.wv.gov/WWE/getinvolved/sos/Documents/Benthic/WVSOS_MacroIDGuide.pdf

<http://dnr.maryland.gov/education/envirothon/Aquatic%20Insect%20Ecology.pdf>

Fish:

<http://anrcatalog.ucdavis.edu/pdf/8112.pdf>

The amphibian leaflet mentions habitat requirements and the negative effects of bullfrogs:

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs143_022220.pdf

Habitat needs and Managing wetlands for wading birds:

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs143_022165.pdf

The most relevant sections of the mammal leaflet are the management techniques for wetlands and discussion about the benefits of beavers and minimizing damage caused by them.

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs143_022221.pdf

Theme-specific Aquatic Ecology References:

Agriculture:

General guide to farm pond management:

http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs143_022244.pdf

Managing livestock to protect riparian and wetland areas:

<http://ohioline.osu.edu/lis-fact/0004.html>

Urban Forestry:

Urban Wetlands, Emporia State University

<http://home.kc.surewest.net/kcmallonees/wetlands/urbanwetlands.htm>

Note: Not Colorado-specific but has good information. Pay special attention to the "References" section for links to other resources.

EFFECTS OF HUMAN SETTLEMENT ON BIRD COMMUNITIES IN LOWLAND RIPARIAN AREAS OF COLORADO

[http://millerlab.nres.illinois.edu/pdfs/Effects%20of%20Human%20Settlement%20on%20Bird%20Communities%20in%20Lowland%20Riparian%20Areas%20of%20Colorado%20\(USA\).pdf](http://millerlab.nres.illinois.edu/pdfs/Effects%20of%20Human%20Settlement%20on%20Bird%20Communities%20in%20Lowland%20Riparian%20Areas%20of%20Colorado%20(USA).pdf)

Note: pay attention to the concepts and findings of the study and don't get intimidated by the statistical methods.

Effects of Urban Sprawl on the Little Blackwater River, MD

<http://www.fws.gov/northeast/marylandfisheries/reports/Final%20report%20triad%20study%20C10-03.pdf>

Note: Again, not Colorado-specific but covers important concepts that apply to any urban area. Pay attention also to the techniques used to evaluate water quality. Read through all three of these references pretending to be a city planner for where you live (or some other urban area) and you are in charge of balancing the development needs of the city with environmental responsibility and regulations.