

# **West Virginia Board of Registration for Foresters**

## **Exam Review Reference Guide**

The West Virginia Board of Registration for Foresters has requested expert input in the development of this list of reference documents. The Board does not openly endorse these links or publishers, rather lists these as recommended from experts as a source for review.

## Mensuration

Forest Mensuration, Forth Edition, Husch, Beers and Kershaw  
<http://www.amazon.com/Forest-Mensuration-Bertram-Husch/dp/0471018503>

Forest Measurements, Fifth Edition, Avery and Burkhart  
<https://www.waveland.com/browse.php?t=668&pgtitle=Thomas%20Eugene%20Avery,%20Harold%20E.%20Burkhart>

## Dendrology

Liang, J. and Watson, J.V. 2012. Handbook of Trees (Available at the WVU University Bookstore)

Hicks, R.R., Jr. 2007. Trees of West Virginia  
<http://www.amazon.com/Trees-West-Virginia-Ray-Hicks/dp/0934115028>

Virginia Tech VTree  
<http://dendro.cnre.vt.edu/dendrology/factsheets.cfm>

Harlow and Harrar's Textbook of Dendrology, 9<sup>TH</sup> EDITION, James Hardin and Donald Leopold and Fred White, McGraw Hill, 2001.  
<http://www.mheducation.com/highered/product.M0073661716.html>

Trees of West Virginia Farms and Woodlots  
<http://www.agriculture.wv.gov/divisions/comm/Documents/Publications%20Print/Trees%20of%20W.Va.%20full%20book%20Final.pdf>

## Ecology

Ecology and Management of Central Hardwood Forests, Dr. Ray R. Hicks, Wiley Press  
<http://www.wiley.com/WileyCDA/WileyTitle/productCd-0471137588.html>

West Virginia Invasive Plants  
<http://www.wvdnr.gov/Wildlife/DirtyDozen.shtm>  
<http://www.wvdnr.gov/Wildlife/InvasiveWV.shtm>

## Silviculture

The Practice of Silviculture: Applied Forest Ecology, 9th Edition, David M. Smith, Bruce C. Larson, Matthew J. Kelty, P. Mark S. Ashton, Wiley Press, 1997  
<http://www.wiley.com/WileyCDA/WileyTitle/productCd-047110941X.html>

Silviculture: Concepts and Applications 2nd Edition by Ralph D. Nyland, Waveland Press Inc; 2007.  
<http://www.amazon.com/Silviculture-Concepts-Applications-Ralph-Nyland/dp/1577665279>

Silvics of North America, USDA Forest Service  
[http://www.na.fs.fed.us/pubs/silvics\\_manual/table\\_of\\_contents.shtm](http://www.na.fs.fed.us/pubs/silvics_manual/table_of_contents.shtm)

## **Forest Management**

Forest Management. 2001. Davis, Johnson, Bettinger, and Howard. 4th edition. McGraw-Hill, New York, NY.  
<http://www.amazon.com/Forest-Management-Lawrence-S-Davis/dp/0070326940>

Forest Management and Planning. 2009. Bettinger, Boston, Siry, and Grebner. Elsevier Press.  
<http://www.amazon.com/Forest-Management-Planning-Pete-Bettinger/dp/0123743044>

## **Wood Science**

Textbook of Wood Technology: Structure, Identification, Properties, and Uses of the Commercial Woods of the United States and Canada (McGraw-Hill series in forest resources) (v. 1)  
<http://www.amazon.com/Textbook-Wood-Technology-Identification-McGraw-Hill/dp/0070484414>

Forest Products and Wood Science, 6th Edition Rubin Shmulsky, P. David Jones, Wiley-Blackwell Press, 2011  
<http://www.wiley.com/WileyCDA/WileyTitle/productCd-081382074X.html>

## **Wildlife Management**

Endangered Species  
<http://www.fws.gov/endangered/species/us-species.html>

Rare, Threatened and Endangered Species in WV  
<http://www.wvdnr.gov/wildlife/endangered.shtm>

Wildlife Ecology, Conservation, and Management, 3rd Edition John M. Fryxell, Anthony R. E. Sinclair, Graeme Caughley, Wiley-Blackwell Press, 2014  
<http://www.wiley.com/WileyCDA/WileyTitle/productCd-1118291077.html>

Indiana Bat  
<http://www.fws.gov/MIDWEST/endangered/mammals/inba/index.html>

Northern Long-eared Bat  
<http://www.fws.gov/midwest/endangered/mammals/nleb/pdf/FRnlebFinal4dRulePublicInspection13Jan2016.pdf>

West Virginia Northern Flying Squirrel  
<http://www.fws.gov/northeast/newsroom/wvnfsq.html>

## **Pathology/Entomology**

Forest & Shade Tree Pathology

<http://www.forestpathology.org/>

Field and Laboratory Guide to Tree Pathology, Robert O. Blanchard, Academic Press (September 28, 1981)

<http://www.amazon.com/Field-Laboratory-Guide-Tree-Pathology/dp/0124333761>

Invasive Species, USDA Forest Service Northern Research Station

[http://www.nrs.fs.fed.us/disturbance/invasive\\_species/](http://www.nrs.fs.fed.us/disturbance/invasive_species/)

The Insects: An Outline of Entomology, 5th Edition P. J. Gullan, P. S. Cranston, Wiley-Blackwell Press, 2014

<http://www.wiley.com/WileyCDA/WileyTitle/productCd-111884615X.html>

Forest Entomology, William Ciesla, Wiley-Blackwell; 1<sup>st</sup> edition (May 6, 2011)

<http://www.amazon.com/Forest-Entomology-William-Ciesla/dp/1444333143>

## **Forest Roads/Harvesting**

A Landowner's Guide to building forest access roads, Richard L. Wiest, USDA Forest Service, Northeastern Area State and Private Forestry, NA-TP-06-98, 1998

<http://www.na.fs.fed.us/spfo/pubs/stewardship/accessroads/accessroads.htm>

Kochenderfer, James N. 1970. Erosion control on logging roads in the Appalachians. Research Paper NE-158. Radnor, PA: Northeastern Forest Experiment Station, USDA Forest Service

<http://www.treesearch.fs.fed.us/pubs/23767>

West Virginia Water quality and logging sediment control act

<http://www.wvforestry.com/waterquality.cfm?menucall=water>

West Virginia Best Management Practices

<http://www.wvforestry.com/DOFbmpManual2014.pdf>

Forest Operations Textbook, USDA Forest Service

[http://www.fs.fed.us/t-d/programs/forest\\_mgmt/projects/textbook/](http://www.fs.fed.us/t-d/programs/forest_mgmt/projects/textbook/)

## **Economics**

Fundamentals of Forestry Economics, William Duerr, McGraw Hill Publishing Company; 1<sup>st</sup> Edition, 1960.

<http://www.amazon.com/Fundamentals-Forestry-Economics-William-Duerr/dp/B0000CKK3B>

Natural Resource Economics: An Introduction, 3<sup>rd</sup> Edition, Barry C. Field, Waveland Press, Inc. 2016.

<https://www.waveland.com/browse.php?t=316&r=d|112>

## **Hydrology**

Forest Hydrology: An Introduction to Water and Forests, Third Edition, Mingteh Chang, CRC Press, 2012

<https://www.crcpress.com/Forest-Hydrology-An-Introduction-to-Water-and-Forests-Third-Edition/Chang/9781439879948>

Hydrology and the Management of Watersheds, 4th Edition, Kenneth N. Brooks, Peter F. Ffolliott, Joseph A. Magner, Wiley-Blackwell Press, 2012.

<http://www.wiley.com/WileyCDA/WileyTitle/productCd-0470963050.html>

Fifty Years of Watershed Research on the Fernow Experimental Forest, WV: Effects of Forest Management and Air Pollution in Hardwood Forests M.B. Adams, P.J. Edwards, J.N. Kochenderfer, F. Wood, 2004.

[http://www.nrs.fs.fed.us/pubs/jrnl/2004/ne\\_2004\\_adams\\_001.pdf](http://www.nrs.fs.fed.us/pubs/jrnl/2004/ne_2004_adams_001.pdf)

## **GIS**

What is GIS?

<https://www.youtube.com/watch?v=a8RhDpuLPi0>

<http://www.esri.com/industries/forestry>

<https://www.youtube.com/watch?v=af6RINvMO6Q>

## **Soils**

The Nature and Properties of Soils (15th Edition) 15th Edition, Raymond C. Weil, Nyle C. Brady, Prentice Hall; 15 edition (March 11, 2016)

[http://www.amazon.com/Nature-Properties-Soils-15th-Edition/dp/0133254488/ref=dp\\_ob\\_title\\_bk](http://www.amazon.com/Nature-Properties-Soils-15th-Edition/dp/0133254488/ref=dp_ob_title_bk)

Forest Soils: Properties and Management, Osman, Khan Towhid, Springer International Publishing, 2013

<http://www.springer.com/us/book/9783319025407>

<https://www.youtube.com/watch?v=cQ1JahJ7LFI>

## **General References**

Forests of West Virginia, 2014

<http://www.treesearch.fs.fed.us/pubs/49402>

Hemlock woolly adelgid: a threat to eastern forests

<http://www.treesearch.fs.fed.us/pubs/46789>

Factors affecting large peakflows on Appalachian watersheds: lessons from the Fernow Experimental Forest

<http://www.treesearch.fs.fed.us/pubs/12838>

Mile-a-minute weed in the northeast

<http://www.treesearch.fs.fed.us/pubs/43246>

Forest susceptibility to the gypsy moth

<http://www.treesearch.fs.fed.us/pubs/47017>

Silvicultural guidelines for forest stands threatened by the gypsy moth

<http://www.treesearch.fs.fed.us/pubs/4258>

WV Forest Health Protection

[http://www.agriculture.wv.gov/divisions/plantindustries/Pages/Forest\\_Health\\_Protection.aspx](http://www.agriculture.wv.gov/divisions/plantindustries/Pages/Forest_Health_Protection.aspx)

WV Quarantines

<http://www.agriculture.wv.gov/divisions/plantindustries/Pages/Quarantines.aspx>