

Chesapeake Bay Landscape Professional Additional Resources for Level 1

<u>SECTION 2 - BACKGROUND</u>
The Chesapeake Bay Region & Watershed
The Chesapeake Bay Ecosystem www.chesapeakebay.net/discover/bayecosystem
Learn the Issues www.chesapeakebay.net/issues
Chesapeake Watershed Agreement www.chesapeakebay.net/documents/FINAL Ches Bay Watershed Agreement.withsignatures-Hires.pdf
Nutrients in the Bay www.cbf.org/about-the-bay/issues/dead-zones/nitrogen-phosphorus
Sustainable Landscaping Concepts & Principles
Beck, Travis. Principles of Ecological Landscape Design, Island Press, 2013.
Weaner, Larry and Thomas Christopher. Garden Revolution: How Our Landscapes Can Be a Source of Environmental Change. Timber Press, 2016.
West, Claudia and Thomas Rainer. Planting in a Post-Wild World: Designing Plant Communities for Resilient Landscapes. Timber Press, 2015.
Lawn and Landscape Design-need for change www.apld.org/wp-content/uploads/2015/12/Guidelines-Environmental-Brochure.pdf
Sustainable Design, Landscaping & Landscape Management – Books
Ellis, Barbara. Chesapeake Gardening and Landscaping: The Essential Green Guide. University of North Carolina Press, 2015.
Darke, Rick, and T Douglas Tallamy. The Living Landscape: Designing for Beauty and Biodiversity in the Home Garden. Timber Press, 2014.
Thompson JW, and Kim Sorvig. Sustainable Landscape Construction: A Guide to Green Building Outdoors. Island Press, 2007.
Venhaus, Heather and Herbert Dreisell. Designing the Sustainable Site: Integrated Design Strategies for Small Scale Sites and Residential Landscapes. John Wiley & Sons, 2012.
Guidelines for Sustainable Sites & Related Certifications (site and/or professional certifications)
<i>SITES/GBCI – SITES AP Certification</i> http://www.sustainablesites.org/sites-ap
<i>Landscape For Life Training</i> http://www.landscapeforlife.org

<p><i>ecoPRO Certification – Guiding Principles and Best Practices, 2014</i> www.ecoprocertified.org/become-certified/ecopro-study-materials/</p>
<p><i>SOUL Organic Landcare Resources</i> http://www.organiclandcare.org/Organic-Land-Care</p>
<p><i>Living Building Challenge - International Living Future Institute</i> https://living-future.org/lbc/basics/</p>
<p>Maryland Professional Lawn Care Manual – landscaping with turf grass/lawns manual6.24.13.pdf">http://www.mda.maryland.gov/siteassets/pages/fertilizer/mdaprolawnca>manual6.24.13.pdf</p>
<p><i>Cues To Care:</i></p>
<p>Nassauer, J.I. 2011 Care and stewardship: From home to planet. <i>Landscape and Urban Planning</i>, Vol. 100, pp 321-333.</p>
<p>Nassauer, J. I. 1995. Messy ecosystems, orderly frames. <i>Landscape Journal</i>. 14(2): pp. 161-170</p>
<p>Green Infrastructure – What is It, Where is It, and How does it work?</p>
<p>Rouse, David C., & Ignacio F. Bunster-Ossa. <i>Green Infrastructure: A Landscape Approach</i>. American Planning Association, 2013.</p>
<p>SECTION 3 – THE SUSTAINABLE LANDSCAPE</p>
<p>WATER PROTECTION, MANAGEMENT -- RETHINKING STORMWATER MANAGEMENT BMPs, AND LOCAL PERMITTING</p>
<p>Riparian Buffers</p>
<p>Maryland - Green Book for the Buffer http://dnr.maryland.gov/criticalarea/Documents/PDF/Home/GreenBook_Buffer.pdf</p>
<p>Maryland - Riparian Forest Buffer Design & Maintenance; www.chesapeakebay.net/images/press_release_pdf/Riparian_Forest_Buffer_Design_and_Maintenance.pdf</p>
<p>Virginia - Riparian Buffer Manual www.deq.virginia.gov/portals/0/deq/water/publications/riparianbuffermanual.pdf</p>
<p>Chesapeake Bay Riparian Handbook www.chesapeakebay.net/content/publications/cbp_13019.pdf</p>
<p>Living Shorelines</p>
<p>SAGE Natural and Structural Measures for Shoreline Stabilization www.sagecoast.org/docs/SAGE_LivingShorelineBrochure_Print.pdf;</p>
<p>NOAA Living Shoreline Planning and Implementation www.habitat.noaa.gov/restoration/techniques/limplementation.html</p>
<p>CBF Living Shorelines for the Chesapeake Bay Watershed http://www.cbf.org/document-library/cbf-publications-brochures-articles/Living_Shorelines011a.pdf</p>
<p>Codes and Ordinances</p>
<p>Codes and Ordinances Worksheet, Center for Watershed Protection http://owl.cwp.org/mdocs-posts/codes-ordinance-worksheet/</p>
<p>Erosion and Sediment Control</p>
<p>Using compost to prevent erosion and sedimentation http://buildingsoil.com/tools/Erosion_Control.pdf</p>
<p>Mid Atlantic Nutrient Management Handbook http://extension.umd.edu/sites/extension.umd.edu/files/docs/programs/anmp/MANMH_complete.pdf</p>
<p>Stormwater Management BMPs & Design Guidelines/Requirements</p>
<p>Improving Stormwater Quality Penn State Extension http://extension.psu.edu/natural-resources/water/watershed-education/stormwater/improving-stormwater-quality</p>
<p>Tools, Strategies, and Lessons Learned From EPA Technical Assistance Projects. Dec. 2015, EPA 832-R-15-016</p>

Understanding Stormwater Ponds www.fairfaxcounty.gov/nvswcd/newsletter/understanding-stormwater-ponds.htm
<i>Maryland</i>
Maryland Stormwater Design Manual http://mde.maryland.gov/programs/water/StormwaterManagementProgram/Pages/stormwater_design.aspx
MD DNR Nutrient Calculator http://dnr2.maryland.gov/ccs/Pages/funding/trust-fund_grants.aspx
Montgomery County (MD) Rain Garden for Rainscapes Technical Manual www.montgomerycountymd.gov/DEP/Resources/Files/downloads/rainscapes/factsheets/RG4RS_Tech_Manual_Web.pdf
Montgomery County (MD) Rainscapes Projects Manual www.montgomerycountymd.gov/DEP/Resources/Files/downloads/rainscapes/RS_Projects_ManualLoRes(1).pdf
Chesapeake Riverwise Manual www.stormwater.allianceforthebay.org/riverwise-communities-manual
<i>Pennsylvania</i>
Pennsylvania Stormwater Best Management Practices Manual, Chapter 2: www.stormwaterpa.org/bmp-manual-chapter-2.html
Pennsylvania BMP Manual www.stormwaterpa.org/from-the-foreword.html
PA Water Quality http://www.elibrary.dep.state.pa.us/dsweb/View/Collection-8305
<i>Virginia</i>
Fairfax VA Residential Low Impact Landscaping Workshop http://www.fairfaxcounty.gov/nvswcd/lidbooklet.pdf
Virginia Department of Environmental Quality 2013 Stormwater Management Handbook and BMP Standards and Specifications
Virginia DEQ Better Site Design http://www.deq.virginia.gov/portals/0/deq/water/publications/sitesdesignbrochure.pdf
Virginia Conservation Assistance Program (VCAP) Manual, 2016 http://vaswcd.org/wp-content/uploads/2015/09/VCAP-Manual-July-2015.pdf
Effects of Urbanization, Stormwater Management Overview, BMPs www.dropbox.com/s/oek2prwx876m3s2/VCAP%20Manual%20July%202016.pdf?dl=0
Virginia Department of Forestry Rain Gardens Technical Guide www.dof.virginia.gov/infopubs/Rain-Garden-Technical-Guide-2014-05_pub.pdf
<i>District of Columbia</i>
District of Columbia Department of Energy and Environment, Stormwater Management Guidebook . July 2013, https://doee.dc.gov/swregs .
<i>General</i>
Chesapeake Stormwater Network Introduction to LID Construction, Installation And Maintenance (Videos) www.chesapeakestormwater.net/training-library/stormwater-bmp-maintenance/
Chesapeake Stormwater Network, Bioretention Illustrated: A Visual Guide for Constructing, Inspecting, Maintaining and Verifying the Bioretention Practice . July 2013 https://www.monroecounty.gov/File/DES/Stormwater/Bioretention%20Illustrated%20-%20Chesapeake%20Stormwater%20Network.pdf
CBP Urban Stormwater Workgroup Approved Urban BMP Verification Guidance 7/16/14 www.chesapeakestormwater.net/wp-content/uploads/dlm_uploads/2013/01/USWG-Approved-Urban-BMP-Verification-Guidance-08112014.pdf

<p>Chesapeake Stormwater Network Fact Sheets http://chesapeakestormwater.net/bay-stormwater/fact-sheets/ U-1 Urban Stormwater Retrofits Fact Sheet U-2 Stormwater Practices for New and Redevelopment Projects Fact Sheet U-3 Residential Stewardship Practices Fact Sheet</p>
<p>Chesapeake Stormwater Network Residential Stewardship Programs in the Bay Region www. chesapeakestormwater.net/be-bay-friendly/directory-residential-bmp-programs/</p>
<p>Center for Watershed Protection, <i>Using Trees to Reduce Stormwater Runoff</i>. October 2008. https://www.slideshare.net/watershedprotection/using-trees-to-reduce-stormwater-runoff-formatted-presentation</p>
<p>Chesapeake Stormwater Network Design Specifications: www.chesapeakestormwater.net/category/publications/design-specifications/</p>
<p>BMPs & Hardscapes, Water Re-Use, and Other Possibilities</p>
<p><i>Pervious Paving</i></p>
<p>Interlocking Concrete Paving Institute www.icpi.org/paving-systems</p>
<p><i>Water Harvesting/Storage Devices and Water Conservation</i></p>
<p>Virginia RW Harvesting Manual http://www.harvesth2o.com/adobe_files/Virginia%20Rainwater%20Harvesting%20Manual.pdf</p>
<p>Irrigation Association – Landscape Irrigation Best Management Practices www.savingwater.org/cs/groups/public/@spu/@swp/documents/webcontent/01_030015.pdf</p>
<p>Cook TW, Vanderzanden AM. <i>Sustainable Landscape Management</i>. Wiley & Sons, 2011 pp 50-2</p>
<p><i>Living/Green Walls</i></p>
<p>ANSGlobal Ultimate Guide To Living/Green Walls www.ansgroupglobal.com/assets/pdf/ANS%202012%20Brochure.pdf or www.ambius.com/blog/ultimate-guide-to-living-green-walls/</p>
<p><i>Gabion Walls</i></p>
<p>Article on walls and use www.gardenista.com/posts/hardscaping-101-gabion-walls-pros-and-cons</p>
<p>Manual with flow calculations and water relation of Gabions http://www.gabionbasket.info/waterconservancy.html</p>
<p>Natural Communities</p>
<p>Maryland Natural Communities www.dnr2.maryland.gov/wildlife/Pages/plants_wildlife/nhpnatcomm.aspx</p>
<p>Natural Communities of Virginia http://www.dcr.virginia.gov/natural-heritage/natural-communities/nctoc</p>
<p>Native Plants and Vegetation</p>
<p>Tallamy, Douglas. <i>Bringing Nature Home: How You Can Sustain Wildlife with Native Plants</i>. Timber Press, 2009.</p>
<p>Kays, Jonathan, Drohan Joy, Downing, Adam, and Jim Finley. <i>The Woods in Your Backyard: Learning to Create and Enhance Natural Areas Around Your Home</i>. , 2015.</p>
<p>Sternberg Guy, and James W Wilson. <i>Native Trees for North American Landscapes</i>. Timber Press, 2004.</p>
<p>Guidance for Federal Agencies on Sustainable Practices for Designed Landscapes and Supporting Pollinators on Federal Landscapes https://obamawhitehouse.archives.gov/administration/eop/ceq/sustainability/landscaping-guidance</p>

Native Plant Center, Chesapeake Bay Region. Alliance for the Chesapeake Bay www.nativeplantcenter.net
Definitions of native and exotic in Federal Register Executive Order 11987 www.archives.gov/federal-register/codification/executive-order/11987.html
USDA-NRCS definitions of native, non-native, invasive, naturalized, etc. www.nrcs.usda.gov/wps/portal/nrcs/detail/ct/technical/ecoscience/invasive/?cid=nrcs142p2_011124
USDA NRCS PLANTS database www.plants.usda.gov/java/
Maryland Native Plant Society www.mdflora.org
Digital Atlas of the Virginia Flora www.vaplantatlas.org
Flora of Virginia www.floraofvirginia.org
Virginia Natural Heritage Database www.vanhde.org/species-search
Flora of Pennsylvania www.paflora.org
Brown, Russell G, and Melvin L. Brown. Woody Plants of Maryland, 1972.
Brown, Melvin L. Herbaceous Plants of Maryland, 1984.
Landscape and Ecological Functions of Mid-Atlantic Native Plants, pp 289-321
Biota of North America Project (BONAP) ww.bonap.net/fieldmaps
Tree Benefits and Preservation
Tree Preservation Plans - City of Charlottesville, Best Management Practices for Tree Preservation, Transplanting, Removal, and Replacement , January 2010, pg 2-7. www.charlottesville.org/departments-and-services/departments-h-z/parks-recreation-/parks-trails/landscape-management/urban-forestry
Urban Tree Foundation Planting, Soil and Tree Protection Specifications http://www.treesaregood.com/treecare/resources/hire_arborist.pdf
International Society of Arboriculture - Mid-Atlantic Chapter, BMPs for Standards, "Managing Trees During Construction"
Falls Church, VA, Tree Preservation and Replacement Guide www.fallschurchva.gov/DocumentCenter/View/1108
Soils
Virginia Tech (Virginia Cooperative Extension), Perspective on Soil Health www.pubs.ext.vt.edu/CSES/CSES-132/CSES-132.html
USDA Soil Biology Primer www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/biology/
How to do an infiltration test https://drive.google.com/open?id=0B5m--dclu_WucXI4T2IFVWo2ZIE
US Composting Council:
Landscape Architecture Specs for Compost Use www.compostingcouncil.org/wp/wp-content/plugins/wp-pdfupload/pdf/32/Landscape-Architecture-Specs.pdf
Calkins, Meg. Sustainable Sites Handbook. Pp 297-309
Web Soil Survey http://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm

APLD Guide to Sustainable Soils http://www.soildistrict.org/wp-content/uploads/2013/02/Sustainable-Soils-Brochure-5-1-12.pdf
Habitats, Biodiversity, and Wildlife
Amphibians and Biodiversity www.biohabitats.com/newsletters/salamanders/experts-qa-ray-semitsch/
Biological Criteria for Buffer Zones Around Wetlands www.faculty.nipissingu.ca/fredp/biol3436/Lit/AmpReptileBufferArndWetlands.pdf
Invasive Plant Species http://www.bhwp.org/resources/Invasive-Plants.htm
Kaufman, Sylvan, and Wallace Kaufman. Invasive Plants: Guide to Identification and the Impacts and Control of Common North American Species. Stackpole Books, 2013.
Marsh, William. Strategic Landscape Planning
VIRGINIA CONSERVATION ASSISTANCE PROGRAM IMPLEMENTATION and DESIGN MANUAL - July 2015 http://tjswcd.org/docs/urban/VCAP_Manual_July_2015.pdf
Municipal codes may have tables detailing the specific plants they do not want to see installed.
Each state's DEQ will likely have partnered with another entity in developing a pictorial guide depicting the appearance of undesirable plant material.
Refer to state invasive species lists:
Delaware www.delawareinvasives.net/blog1/?page_id=68
Maryland www.mdinvasivesp.org/list_terrestrial_plants.html
New York www.dec.ny.gov/docs/lands_forests_pdf/islist.pdf
Pennsylvania www.dcnr.state.pa.us/cs/groups/public/documents/document/dcnr_20026634.pdf
Virginia www.dcr.virginia.gov/natural-heritage/invspdpdlist
West Virginia www.wvdnr.gov/wildlife/Handout%20Invasive%20Plants%20of%20WV%202009.pdf
SECTION 4 – DESIGN AND INSTALLATION
NOFA Sustainable Lawns – Introduction to Organic Lawns and Yards www.organiclandcare.net/sites/default/files/upload/2011_nofa_booklet_online_final.pdf
Chesapeake Riverwise Manual www.stormwater.allianceforthebay.org/riverwise-communities-manual
SECTION 5 – SUSTAINABLE LANDSCAPE MAINTENANCE
Cook TW, Vanderzanden AM. Sustainable Landscape Management. Wiley & Sons, 2011.
Integrated Pest Management
IPM: A Common Sense Approach to Managing Problems in Your Landscape, University of Maryland Extension, Publication HG 62, 2003 www.extension.umd.edu/sites/default/files/_images/programs/hgic/Publications/HG62%20IPM%20A%20Common%20Sense%20Approach%20to%20Managing%20Problems%20in%20Your%20Landscape.pdf
Home Grounds and Animals Pest Management Guide, Virginia Cooperative Extension, Publication 456-018, 2017 http://www.pubs.ext.vt.edu/456/456-018/456-018.html

Reducing Pesticide Use in the Home and Garden, Virginia Cooperative Extension, Publication 450-725
http://www.pubs.ext.vt.edu/450/450-725/450-725_pdf.pdf

Safety and Teamwork

Cook TW, Vanderzanden AM. Sustainable Landscape Management. Wiley & Sons, 2011. p 11

Communicating the Message

How to Communicate Successfully Regarding Nature-Based Solutions: Key Research with American Voters and Elites (The Nature Conservancy)
www.conservationgateway.org/ConservationByGeography/NorthAmerica/UnitedStates/Documents/TNC%20Nature-Based%20Solutions%20Communication%20Recommendations.pdf