



THE STUMP

INFORMATION BY THE BOARD FOOT

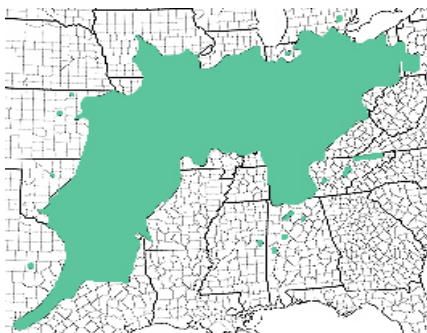
FEBRUARY 2010

KNOT THE HOLE NEWS



Ohio buckeye
Aesculus glabra

A small to medium tree, Ohio buckeye has a mature height of 20 to 50 feet with a broad, rounded crown. The branches bend downward then upward at the tips. Appropriate for a large yard, and park plantings this tree has a medium growth rate. It occurs naturally on moist bottomlands with acid soils, dryer sites are not recommended. Full sun is needed for best health, leaves are palmate with five leaflets connected to a central point. Heat damage to leaves is possible as well as the fairly common leaf blotch. This tree should be planted with intent to not prune it up. It's dense shade will make grass sparse if not non-existent.



Plant illustration by Jenny M. Lyverse, from *Landscape Plants for Eastern North America*, 2nd Edition, Harrison L. Flint Author
Range map modified from USDA Forest Service *Silvics of North America* Web site - www.na.fs.fed.us/spfo/pubs/silvics_manual/Volume_2/aesculus/glabra.htm

Rain Water Retention Native Plant Lists and Examples Available



Clean water is the first issue that must be dealt with when it comes to determining if you have enough quantity. Clean water does not have to be elusive, but does require planning and effort in our modern environment. It can be achieved by diverting rainwater runoff through expensive treatment plants or it can be achieved through less expensive, properly designed, installed, and maintained bio-filtration systems.

Contrary to traditional landscaping in a developed area, landscaping incorporating native plants in a "Wild" looking habitat is better at treating water. Large, mowed water retention basins hold water to slow it's downstream flow. They also allow large particulate matter to be deposited as the water slows down. It does not collect or trap much of the small particle sized pollutants. Well designed retention basins that utilize native plants allowed to grow to full size, and properly maintained, will collect greater amounts of all pollutants.

In a collaborative project between the Metropolitan St. Louis Sewer District, Missouri Department of Conservation, Missouri Botanical Garden, Shaw Nature Reserve, and Grow Native! the MSD Storm Water Best Management Guide was created. They recently updated the bioretention plant list. The guide provides sample designs and information on how to select appropriate native plants for wet ponds, wetlands, infiltration basins and dry swales, surface sand filters, bioretention and organic filters. This information while not specific to SW Missouri, is close enough to provide excellent guidance. Get a copy of this free guide and plants lists at: www.shawnature.org/nativeland/MSD.aspx

Education: Everyone's Key to Success

Whether you are in private industry, government, or a volunteer, continual education is needed to increase your knowledge and improve your abilities. There are multiple ways to increase your knowledge. Some are free, some cost, but all can be beneficial to your success.



Over the next two months, several opportunities will occur including:

Alliance for Community Trees Webcasts: Feb. 4 - *Tree Ordinance and Design Standards*; Feb 19 - *State Advocacy for Trees*. (ISA CEU's) Register for these free programs at http://actrees.org/site/stories/act_webcast.php. Previous webcasts and support materials are archived for download as well.

Emerald Ash Borer University Webcasts: Feb. 4 - *Utilization of Ash in the Wake of EAB*; Feb. 11 - *Management of Woodlots to Prepare For EAB*; Mar. 4 - *Regulatory Issues About EAB*; Mar. 18 - *Helping Communities Prepare for and Live With EAB* Register for these free programs at www.emeraldashborer.info/eab_university.cfm.

Local and Regional Seminars:

Tree Appraisal - What is That Tree Worth? Feb. 9, 2010, 9 - 11 a.m., Springfield Nature Center (ISA CEU's) Register for this free program by calling 417-895-6880.

Midwestern Chapter ISA Annual Conf., Feb. 17 - 19, Columbia, MO (ISA CEU's) Get registration information at www.mwisa.org/mc/page.do?sitePageId=37767

Electrical Line Tree Training Feb. 23 8:30 - Noon, Wildcat Glades Conservation & Audubon Center, Joplin (ISA CEU's, SAF CFE's) Register for this free program by calling 417-629-3423.

Tree Board Training Mar. 13, 2010 9 am. - 3 pm., MDC Regional Office, Springfield Contact Jon Skinner at 417-629-3423 for a registration form.

Missouri Community Forestry Council Annual Conference Mar. 16 - 18, Chesterfield, MO. (ISA CEU's, SAF CFE's) Get registration and agenda information at www.mocommunitytrees.com/conference.html

Reduced Cost Trees Via Forest ReLeaf of Missouri

Most communities desire to plant more trees, but available funds restrict the number that may be purchased. Forest ReLeaf of Missouri is offering reduced cost trees. Trees are discounted substantially over retail. The trees are not guaranteed and must be picked up at the CommuniTree Nursery in Maryland Heights. Orders are due by February 26, 2010 with payment attached. To learn about Project Releaf, get a catalog and order form visit http://63.135.107.79/planttrees_projectreleaf.asp.

Web Site / Book Review

Stormwater, the Journal for Surface Water Quality Professionals, provides timely information for minimizing nonpoint-source water pollution, NPDES Phase II compliance, TMDLs, and the numerous other regulatory and business changes that significantly impact us all. This includes example stories of implemented projects, and discussions of regulations and their impact. This magazine is available in both paper and electronic forms. Best of all it is free to qualified readers professionally involved with stormwater. Get it at www.stormh2o.com.

How to Kill a Tree!

No matter how close you get to the tree or the number or size of the roots you cut, trenching near trees causes no damage.

Of course the above is incorrect. Whenever you dig, or trench near a tree, you are severing roots. Whenever you cut a root, you are reducing the trees ability to supply itself water and nutrients.



Remove enough of the roots and the tree will decline, die, or both. Worse yet, trenching too close can make a tree unstable and increase it's potential to fail. So, please reroute the trench around the tree instead of in the straightest line possible. There are standards for how close to get to a tree. Tunneling is also an option to save tree roots, but must be done correctly. You can receive trenching and tunneling information by contacting me (417-629-3423, jon.skinner@mdc.mo.gov).



February 17

ISA Certified Arborist Exam, Columbia, MO, Registration Deadline February 2, 2010, Register at www.isa-arbor.com/certification/tests.aspx.

February 17 - 19

Midwestern Chapter of ISA Annual Conf., Columbia, MO, Registration and Information at www.mwisa.org/mc/page.do?sitePageId=37767.

March 16

ISA Certified Arborist Exam, Chesterfield, MO, Registration Deadline February 26, 2010, Register at www.isa-arbor.com/certification/tests.aspx.

March 16 - 18

Missouri Community Forestry Council Annual Conf., Chesterfield, MO, Registration and Information at www.mocommunitytrees.com/conference.html.

March 22

Tree Selection and Planting Workshop, Cedar County Health Department / Clinic Meeting Room, 801 Owen Mill Rd., Stockton, MO, 6:30 PM Contact Jon Skinner (jon.skinner@mdc.mo.gov), 417-629-3423.

March 25

Tree Selection and Planting Workshop, City Council Chambers, 300 Main St., Cassville, MO, 6:30 PM Contact Jon Skinner (jon.skinner@mdc.mo.gov), 417-629-3423.

March 29

Tree Selection and Planting Workshop, Lampo Bldg., 500 E. Spring St., Neosho, MO, 6:30 PM Contact Jon Skinner (jon.skinner@mdc.mo.gov), 417-629-3423.

March 29

ISA Certified Arborist Exam, St. Peters, MO, Registration Deadline March 15, 2010, Register at www.isa-arbor.com/certification/tests.aspx.

March 30

Tree Selection and Planting Workshop, Thiebaud Auditorium., 105 E. 11th St., Lamar, MO, 6:30 PM Contact Jon Skinner (jon.skinner@mdc.mo.gov), 417-629-3423.

April 5

Tree Selection and Planting Workshop, Wildcat Glades Conservation and Audubon Center, Joplin, MO, 6:30 PM Contact Jon Skinner (jon.skinner@mdc.mo.gov), 417-629-3423.

April 5

ISA Certified Arborist Exam, Kansas City, MO, Registration Deadline March 17, 2010, Register at www.isa-arbor.com/certification/tests.aspx.

April 12

Tree Resource Improvement and Maintenance (TRIM) Workshop, Wildcat Glades Conservation and Audubon Center, Joplin, MO, 6:30 PM Contact Jon Skinner (jon.skinner@mdc.mo.gov), 417-629-3423.



Oh, what a goodly and a glorious show;
The stately trees have decked themselves with white,
And stand transfigured in a robe of light;
Wearing for each lost leaf a flake of snow.

—Richard Wilton (1827–1903)

WHAT'S HAPPENING

"The Stump" web site:
<http://thestumpnewsletter.weebly.com>

To add or remove your subscription, update your address, change contact information or convert from the paper to the email - web version of "The Stump", contact:

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Use of names of commercial products or organizations does not imply an endorsement or recommendation by the Missouri Department of Conservation.

Last Minute News

Forest ReLeaf of Missouri is now accepting applications for Project CommuniTree.

Almost 1,500 free trees are available this spring for community plantings through Forest ReLeaf of Missouri's Project CommuniTree.

Anyone may apply for the trees; however, they must be planted on public or nonprofit properties in Missouri or surrounding communities in adjacent states. The trees are in three-gallon containers and range from three to six feet tall. The majority of the trees are native shade tree species. Trees are reserved on a first-come, first-served basis. The list of available species will change as applications are approved.

You can apply for trees simply by completing a brief application located at <http://63.135.107.79/pdfs/Project%20CommuniTree%20Application.pdf>. Trees must be picked up at our nursery in Creve Coeur Park in Maryland Heights, MO beginning in March.

Respond to this e-mail or contact Elizabeth at 314/533-5323 or toll-free 1-888-473-5323 for the updated species list and with any questions. For more information about Forest ReLeaf, visit our website at www.moreleaf.org.

Major support for Project CommuniTree is provided by AmerenUE, the Missouri Department of Conservation, and St. Louis County Parks.