

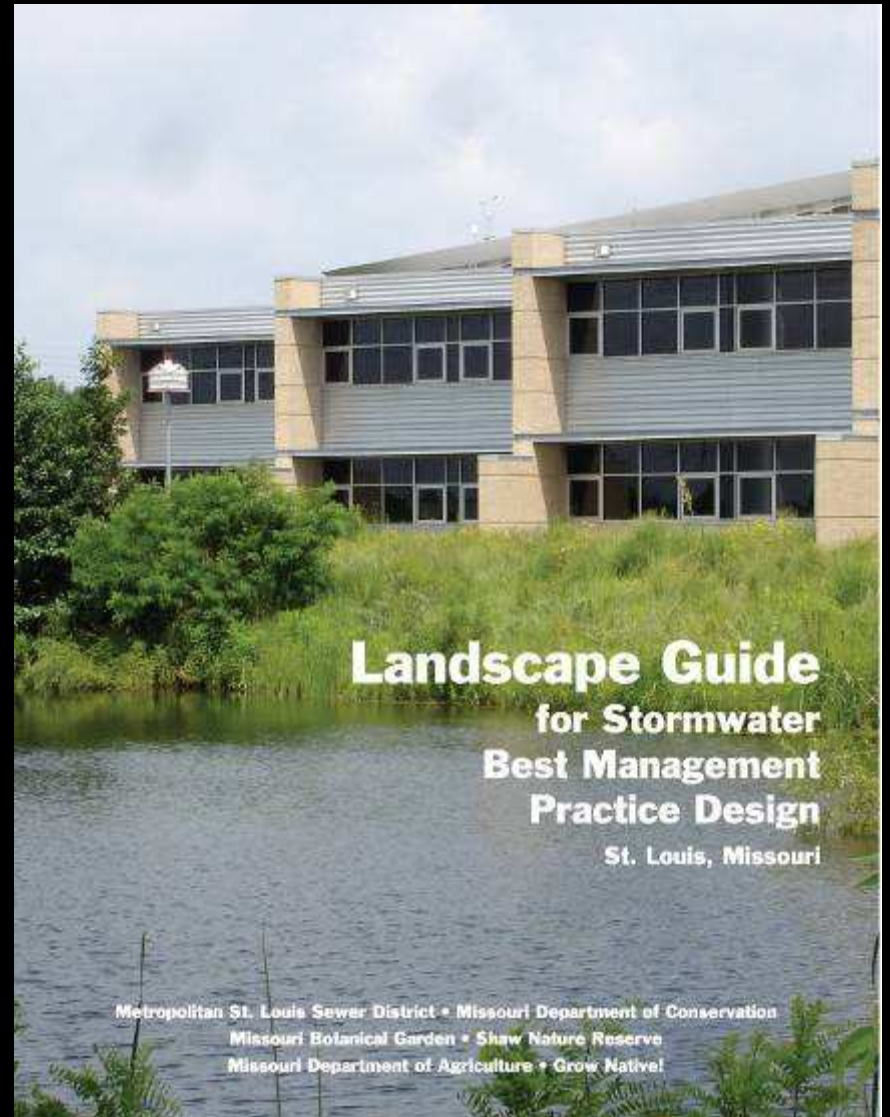


Chapter Two

Rain Gardening and Storm-water Management

A Landscaping Guide for Missouri

www.shawnature.org for details



Landscape Guide for Stormwater Best Management Practice Design

St. Louis, Missouri

Metropolitan St. Louis Sewer District • Missouri Department of Conservation
Missouri Botanical Garden • Shaw Nature Reserve
Missouri Department of Agriculture • Grow Native!

Bioretention Pitfalls and Solutions





 Sustainability & Conservation

Plants at work

Rain Garden

Do you know what's happening here? The trees, shrubs, and grasses below are retaining water and removing pollutants from our parking lot's stormwater runoff. This bioretention system helps improve water quality and protect our region's lakes, streams, and rivers.

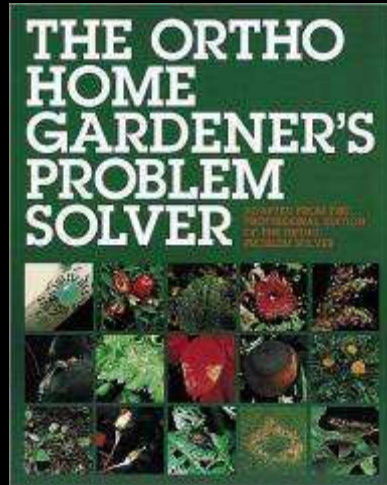
Yet another reason to thank a plant today!

 Learn more at www.mobot.org/sustainability

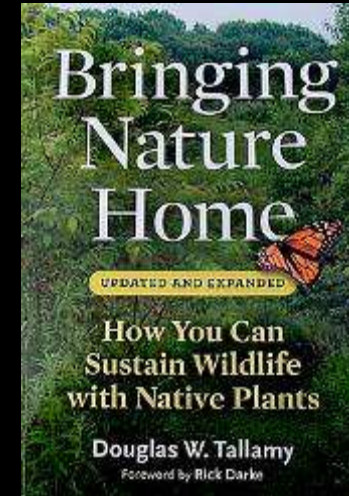
Perceptions



Ortho Garden

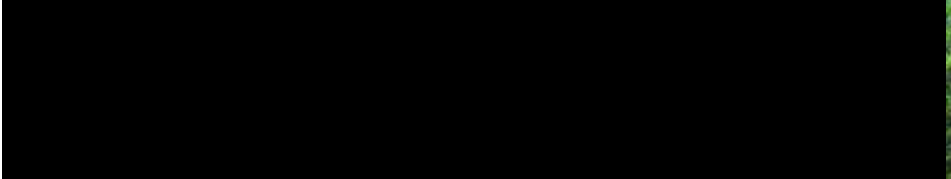
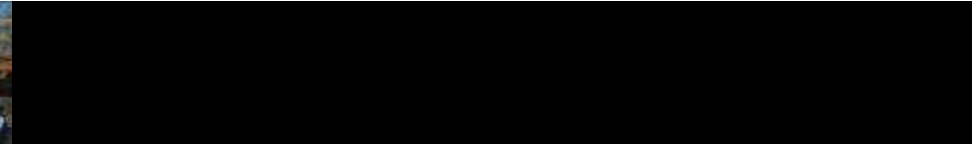


Tallamy Garden





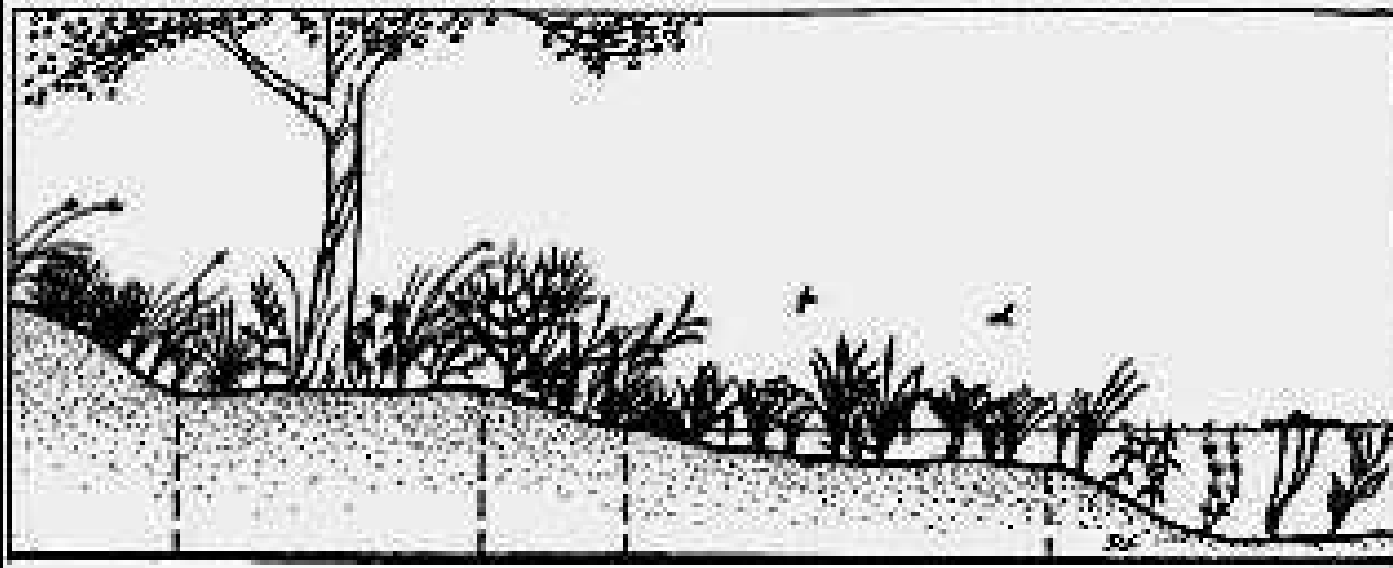




Human Interaction

Plant Selection Considerations

Landscape Zones



- Submerged & Emergent1-6 feet deep permanent pool
- Pond Edge & Permanent Water6 inches to 1 foot deep
- Lower slopesInfrequently inundated
- Upper SlopesSeldom or never inundated
- Over SandPeriodically inundated but rapidly drained

