



Plants for Biofiltration Systems

(rain gardens, bioswales, dry
ponds, etc.)



by Elizabeth McGreevy, M.L.A.
Droplet Land Design
www.landsteward.net



Where to Look for Inspiration



Photo by Robert Pfannenstiel

Playa Lakes, Prairie Potholes
& Buffalo Wallows



Photo by Elizabeth McGreevy

Riparian Sloping Banks



Photo by Elizabeth McGreevy

Seep Flats




Karst Flats



Plants

KEY

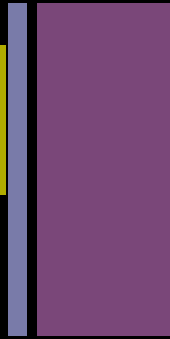
- Sun 
- Part shade 
- Full shade 

fairly deer resistant 

edible 



Rushes, Reeds & Sedges



Horsetail *Equisetum hyemale*



Southern Cattail *Typha domingensis*



Green spike Rush *Juncus effusus*

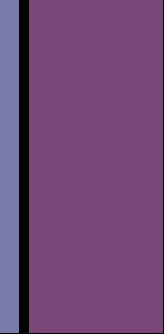


Lawn Sedge *Carex leavenworthii*

Others:
Common Spikerush
Various sedges



Grasses



Indian Grass *Sorghastrum nutans*



Bushy Bluestem *Andropogon glomeratus*



Inland Sea Oats *Chasmanthium latifolium*



Seep Muhly *Muhlenbergia revershonii*

Others:
Gulf Coast Muhly
Canadian Wildrye
Big Muhly
Big Bluestem
Switchgrass
White Tridens



Herbaceous Groundcovers



Texas Bluegrass *Poa arachnifera*



White Yarrow *Achillea millefolium*



Clover Fern *Marsilea macropoda*



Dewberry *Vernonia noveboracensis*

Others:
Horseherb
White Clover
Frogfruit



Herbaceous Annuals & Biennials



Photo by James O. Baines

Basket Flower *Centaurea americana*



Photo by Sally & Andy Wasowski

Brown Eyed Susan *Rudbeckia hirta*



Copyright 2010 Debi O'Hara & Charles A. Heikman

Blue Curls *Phacelia congesta*



Photo by Norman G. Flagg

Texas Bluebell *Eustoma exaltatum*

Others:
Plains Coreopsis
Eryngo
Clammy Weed
Wild Onion
Texas Dandelion
Drummond Phlox
Snow on the
Prairie



Herbaceous Perennials

LOW



Photo by Sally & Andy Wasowski

River Fern *Thelypteris kunthii*



Photo by Sally & Andy Wasowski

Pink Evening Primrose *Oenothera speciosa*



Blue-eyed Grass *Sisyrinchium campestre*



Golden Groundsel *Packera aurea*

Others:
Missouri Violet
Blue Mistflower
Rain Lily
Large Buttercup
Marble Seed
Dayflower



Herbaceous Perennials

MEDIUM



Photo by Ray Matthews

Pigeonberry *Rivina humilis*



Cardinal Flower *Lobelia cardinalis*



Photo by Melody Lytle

Engelman Daisy *Engelmannia peristenia*



Photo by Dale Clark

Gregg's Mistflower *Conoclinium greggii*

- Others:
- Prairie Gayfeather
 - Tropical Sage
 - Prairie Agalinis
 - Purple Coneflower
 - Tall Aster
 - Illinois
 - Bundleflower



Herbaceous Perennials

LARGE



Photo by Joseph A. Marcus

Swamp Milkweed *Asclepias incarnata*



Photo by Stephen Sault, Trees That Please Nursery

Maximillian Sunflower *Helianthus maximiliani*



© Meredith O'Reilly
www.greatstems.com

Tall Goldenrod *Solidago altissima*



Photo by Melody Lytle

Frostweed *Verbesina virginica*

Others:
Western Ironweed
Obedient Plant



Woody Shrubs

SMALL-MEDIUM



Dwarf Palmetto *Sabal minor*



Flame Acanthus *Anisacanthus quadrifidus v. wrightii*



Turk's Cap *Mavaviscus arboreus v. drumondii*



Bee-Brush *Aloysia gratissima*

Others:
 White Boneset
 Canyon Mock
 Orange



Woody Shrubs

LARGE



Photo by Ben Sandifer

False Willow *Baccharis neglecta*



Photo by Sally & Andy Wasowski

Buttonbush *Cephalanthus occidentalis*



Photo by Joseph A. Marcus

Wafer Ash *Ptelea trifoliata*



Photo by Pam Williams

American Beauty Berry *Callicarpa americana*

Others:
Creek Plum
Spicebush



Trees

SMALL



Photo by Benny Simpson

Possumhaw Holly *Ilex decidua*



Photo by Sally & Andy Wasowski

Carolina Buckthorn *Frangula caroliniana*



Photo by Joseph A. Marcus

Roughleaf Dogwood *Cornus florida*



Photo by Page Lee

Texas Prickly Ash *Zanthoxylum hirsutum*

Others:
Retama
Elderberry
Yaupon
S. Wax Myrtle
Texas Mulberry
Prairie Crabapple



Trees

MEDIUM



Photo by Ray Mathews

Huisache *Acacia farnesiana*



Photo by Joseph A. Marcus

Mexican Plum *Prunus mexicana*



Photo by Julie Makin

Pawpaw *Asimina triloba*



Photo by Campbell and Lynn Loughmiller

Red Buckeye *Aesculus pavia*

Others:
Mexican Buckeye
Eve's Necklace
Desert Willow
Bigtooth Maple
Green Ash



Trees

LARGE



Photo by Thomas L. Muller

Mesquite *Prosopis glandulosa*



Photo by Sally & Andy Wasowski

Cedar Elm *Ulmus crassifolia*



Photo by Andy & Sally Wasowski

Red Bay *Persea borbonia*



Photo by Le.Loup.Gris

Catalpa *Catalpa bignonioides*

Others:
Black Walnut
Texas Palm
Red Mulberry
Box Elder
Osage Orange
Sugar Hackberry



Trees

EXTRA LARGE



Photo by Damon E. Waitt

Bur Oak *Quercus macrocarpa*



Photo by Page Lee

Pecan *Carya illinoensis*



Photo by Marilyn Kirius

Bald Cypress *Taxodium distichum*



Photo by Lauritzen Gardens & Botanical Center

Eastern Cottonwood *Populus deltoides*

Others:
American Elm

+ Vines



Photo by Mary Henderson & Mary Hall

Spanish Grape *Vitis cinera v. helleri*



Photo by Joseph A. Marcus

Trumpetvine *Campsis radicans*



Photo by Garden Design Eye

Virginia Creeper *Parthenocissus quinquefolia*



Photo by Joseph A. Marcus

Yellow Passionflower *Passiflora lutea*

Others:

- Mustang Grape
- Crossvine
- Balsam Gourd
- Coral Honeysuckle
- Purple Passionvine