

2011-2012
Bioretention
Soil Study
at Shaw
Nature Reserve

The following plant species are being used in the study:

Native species:

Carex muskingumensis
Iris fulva
Amsonia illustris
Panicum virgatum
Rudbeckia fulgida
Juncus effuses
Hibiscus lasiocarpus
Ilex verticillata

Non-native species:

Fescue-turfgrass cultivar

Iris siberica cultivar

Hemerocallis

Miscanthus 'Morning Light'

Hosta fortunei 'Albo-marginata'

Liriope muscari 'Big Blue'

Hibiscus x cultivar

Spiraea

50Π Π	barra	Compost	торзоп	WOOD BETEETIS	Wasic Residue
#1*	60%	30% (Black Forest)	10%		
#2	80%		10%	10%	
- #3	80%			15%	5%
- #4	60%	15% (Black Forest)	25%		
*Soil #1 is the standard St Louis Compost Rain Garden mix and is the control					

Tonsoil

Wood Screens Waste Residue

Measurements:

Soil #

Sand

Compost

- •Height x width measured weekly; photographed weekly
- •Compare each species' performance in all 4 soils over 2 year period
- •Final measurement will be final weight of plant and root length/width





7/31/11





Amsonia illustris



Hemerocallis

8~29~11





Amsonia illustris



Hemerocallis

