

Figure E.1 Recommended Plants for Rain garden Infiltration Basins and Vegetated Swales (Source: Rice Creek Watershed District)

### Recommended Plants for Rain garden Infiltration Basins and Vegetated Swales

Each site and Best Management Practice (BMP) application is unique. When determining plant material for BMPs take into account the suitability of the plant material to site conditions and BMP function. Use the following tables as guidelines for selecting plant material for BMP's.

Use the soil moisture gradient tool to help determine the siting of plant material in relation to the designed hydrology of the BMP. Note: Not all BMP's will have an distinct emergent community.



You are encouraged to customize your plant pallet. For more information on species characteristics and tolerances see the following sources:

- Henderson, C., Dindorf, C., Rozumalski., F. 1999. Landscaping for Wildlife and Water Quality. Minnesota Department of Natural Resources. St. Paul, MN 55155-4040 USA.
- Minnesota Department of Natural Resources. 2004. Native plant suppliers and landscapers in Minnesota. (<http://www.dnr.state.mn.us/gardens/nativeplants/suppliers.html>). St. Paul, MN 55155-4040 USA.
- Shaw, D., and Schmidt R., 2003. Plants for Stormwater Design: Species Selection for the Upper Midwest. Minnesota Pollution Control Agency.
- University of Minnesota Extension Services. 2004. Sustainable Urban Landscape Information Series - Plant Selection. (<http://www.sustland.umn.edu/plant/index.html>). St. Paul, MN 55108-6068 USA.
- USDA, NRCS. 2004. The PLANTS Database, Version 3.5 (<http://plants.usda.gov>). National Plant Data Center, Baton Rouge, LA 70874-4490 USA.
- University of Minnesota Extension Services. 2004. Sustainable Urban Landscape Information Series - Plant Selection. (<http://www.sustland.umn.edu/plant/index.html>). St. Paul, MN 55108-6068 USA.

#### Herbaceous Plants

Common Name	Scientific Name	Exposure
Prarie Phlox	<i>Phlox pilosa</i>	SUN
Little Bluestem	<i>Schizachyrium scoparium</i>	SUN
Bergamot	<i>Monarda fistulosa</i>	SUN
Meadow Blazing Star	<i>Liatris spicata</i>	SUN
Virginia Bluebells	<i>Mertensia virginica</i>	SHADE
Ornith Finch	<i>Matricaria inodora</i>	PARTIAL
Big Bluestem	<i>Andropogon gerardii</i>	SUN
Canada Anemone	<i>Anemone canadensis</i>	SUN
Swamp Thistle	<i>Phytolacca americana</i>	SHADE
Sensitive Fern	<i>Gracilaria sensilis</i>	SHADE
Opulent Plant	<i>Physalis virginiana</i>	PARTIAL
Illine Lobelia	<i>Lobelia spicata</i>	PARTIAL
Golden Alexander	<i>Zizia aurea</i>	SUN
Tall Meadow Rue	<i>Thalictrum dasycarpum</i>	SUN
New England Aster	<i>Aster novae-angliae</i>	SUN
Queen of the Prairie	<i>Filipendula ulmaria</i>	SUN
Mountain Mint	<i>Physanthes altissima</i>	SUN
Unseeded	<i>Monarda mollis</i>	SUN
White Yarrow	<i>Achillea millefolium</i>	SUN
Chickadee	<i>Erigeron philadelphicus</i>	SUN
Marsh Marigold	<i>Physalis peruviana</i>	SUN
Bluesail	<i>Asplenium platyneuron</i>	SUN
Common Sedge	<i>Carex lasiocarpa</i>	PARTIAL
Cardinal Flower	<i>Lobelia cardinalis</i>	PARTIAL
Canada Blue-joint Grass	<i>Calamagrostis canadensis</i>	SUN
Joe-Pye Weed	<i>Eupatorium maculatum</i>	SUN
Turkchouse	<i>Cheilanthes glabra</i>	SUN
Prospira	<i>Scirpus operarius</i>	PARTIAL
Soft Rush	<i>Juncus tenuis</i>	SUN
Porcupine Sedge	<i>Carex lasiocarpa</i>	PARTIAL
Tussock Sedge	<i>Carex stricta</i>	SUN
Flr. Sedge	<i>Carex rigida</i>	SUN
Blowgrass	<i>Poa vesicicola</i>	SUN
Redtop	<i>Poa annua</i>	SUN
Three-squared Sedge	<i>Scirpus angustifolius</i>	SUN
Water Plantain	<i>Alisma triquetrum</i>	SUN
Sweet Flag	<i>Acorus calamus</i>	SUN
Smartweed	<i>Sagittaria arifolia</i>	SUN
Arrowhead	<i>Sagittaria arifolia</i>	SUN
Green Burdock	<i>Scirpus atrovirens</i>	SUN
River Burdock	<i>Scirpus fluviatilis</i>	SUN
Sediment Bulrush	<i>Scirpus validus</i>	SUN

#### Trees and Shrubs

Common Name	Scientific Name	Exposure
Low Bush Honeysuckle	<i>Lonicera japonica</i>	PARTIAL
Red-barked Elm	<i>Sambucus racemosa</i>	SUN
Hackberry	<i>Celtis occidentalis</i>	SUN
Red Osier Dogwood	<i>Cornus sericea</i>	PARTIAL
Silver Maple	<i>Acer saccharinum</i>	SUN
Sweetgum	<i>Liquidambar styraciflua</i>	SUN
Black Chokeberry	<i>Aronia melanocarpa</i>	PARTIAL
High Bush Cranberry	<i>Vaccinium corymbosum</i>	SUN
Winterberry	<i>Ilex verticillata</i>	PARTIAL
Black Ash	<i>Fraxinus nigra</i>	SUN
Cottonwood	<i>Populus alba</i>	SUN
Sweetgum	<i>Quercus bicolor</i>	SUN
Spicebush	<i>Liriodendron tulipifera</i>	SUN
Black Gum	<i>Nyssa sylvatica</i>	SUN
Black Birch	<i>Betula nigra</i>	SUN
Black Alder	<i>Alnus incana</i>	SUN
Black Willow	<i>Salix nigra</i>	SUN
Black Dogwood	<i>Cornus rugosa</i>	PARTIAL
Black Locust	<i>Rhus glabra</i>	SUN



Cardinal Flower  
Lobelia cardinalis

#### Native Seed List

	Side Slope	Wet Meadow	Emergent
<b>MINDOT SEED MIXES</b>			
25B Sedge Meadow			
26B Stream Bank & Prairie Meadow			
310 Ponds & Wet Areas			
340 Sandy/dry Areas - Mid-height Grasses			
350 General Roadside			
<b>MN STATE SEED MIXES</b>			
W2 Native Sedge/Wet Meadow			
W3 Native Wet Prairie			
W4 Native Swale/Ditch			
W5 BWSR Native Wetland Fringe			
W6 BWSR Native Wet Prairie			
R2 Native Riparian-Stream Bank			

