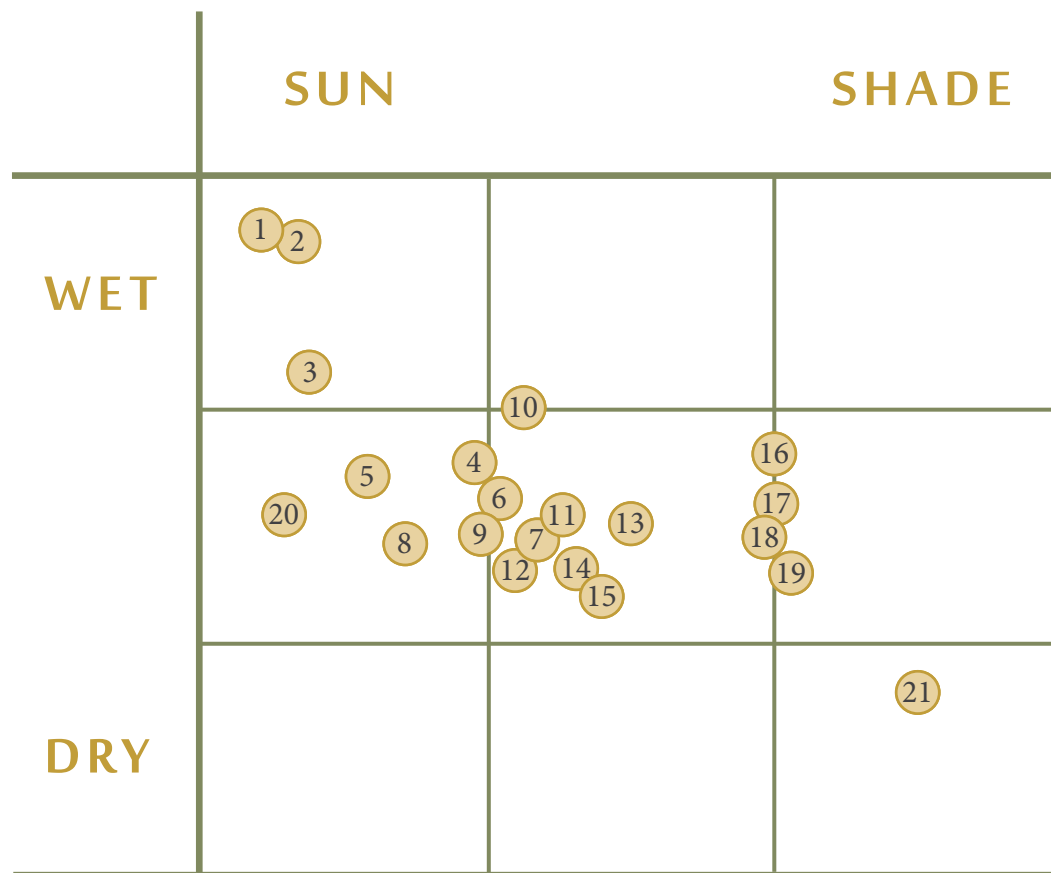


PLANT SUBSTITUTION

If a suggested plant doesn't fit with your landscaping, isn't available, or maybe you would like to introduce more diversity to your planting, feel free to substitute. Luckily, Mother Nature has provided us with many more options for riparian ecosystems in the northeast. Here are a number of additional plants that are ready to be incorporated in your riparian buffer system. This chart shows the cultural characteristics of each plant to guide you in finding an appropriate replacement.



- 1 Pickerel Weed (*Pontederia cordata*)
- 2 Duck Potato (*Sagittaria latifolia*)
- 3 Soft Rush (*Juncus effusus*)
- 4 Dwarf Joe Pye Weed (*Eupatorium maculatum*)
- 5 Purple Stemmed Aster (*Aster puniceum*)
- 6 Boneset (*Eupatorium perfoliatum*)
- 7 Golden Alexander (*Zizia aurea*)
- 8 Fox Sedge (*Carex vulpinoidea*), Hop Sedge (*Carex lupulina*), Tussock Sedge (*Carex stricta*)
- 9 Swamp Milkweed (*Asclepias incarnata*)
- 10 Marsh Marigold (*Caltha palustris*)
- 11 Crimson-Eyed Rosemallow (*Hibiscus moscheutos*)
- 12 Blue Flag Iris (*Iris versicolor*)
- 13 Turtle Head (*Chelone glabra*)
- 14 Cardinal Flower (*Lobelia cardinalis*)
- 15 Blue Cardinal Flower (*Lobelia siphilitica*)
- 16 Ostrich Fern (*Matteuccia struthiopteris*)
- 18 Sensitive Fern (*Onoclea sensibilis*)
- 17 Cinnamon Fern (*Osmunda cinnamomea*)
- 19 Royal Fern (*Osmunda regalis*)
- 20 Blue Vervain (*Verbena hastata*)
- 21 Foam Flower (*Tiarella cordifolia*)

SUBSTITUTE TREES AND SHRUBS

Shrubs

- Black Chokeberry (*Aronia melanocarpa*)
- Button Bush (*Cephalanthus occidentalis*)
- Sweet Pepperbush (*Clethra alnifolia*)
- Red-twig Dogwood (*Cornus sericea*)
- Witch Hazel (*Hamamelis virginiana*)
- Winterberry (*Ilex verticillata*)
- Spicebush (*Lindera benzoin*)
- Swamp Azalea (*Rhododendron viscosum*)
- Swamp Rose (*Rosa palustris*)
- Common Elder (*Sambucus canadensis*)
- Pussy Willow (*Salix discolor*)
- Meadow Sweet (*Spiraea alba*)
- Steeplebush (*Spiraea tomentosa*)
- Highbush Blueberry (*Vaccinium corymbosum*)
- Witherod (*Viburnum cassinoides*)
- Arrowwood (*Viburnum dentatum*)
- American Cranberrybush (*Viburnum trilobum*)

Trees

- Red Maple (*Acer rubrum*)
- Serviceberry (*Amelanchier canadensis*)
- River Birch (*Betula nigra*)
- Black Tupelo (*Nyssa sylvatica*)
- Pin Oak (*Quercus palustris*)
- American Elm (*Ulmus americana*) * Disease resistant strains only

