

APPENDIX A

The list given in this appendix is divided into two groups. The first group contains plants that are used in buffers at the tops of banks. The second group contains plants that are actually planted on the streambank slopes as part of bioengineering projects. Some of the large species of trees, such as the oaks, would not be planted on a reshaped bank, but would be planted at the top and beyond the lip of the bank.

Most of the species do not root well from unrooted cuttings on the site. Only the willows and, to a lesser extent, a few shrubs have the ability to begin with a stem stuck in the ground and experience a high percentage of rooting and growing. For the remaining species, seedlings or pre-rooted cuttings must be used. In these cases, planting is more time consuming. Willows are the least expensive and probably the most effective plant material for use in live stakes and fascines.

Plants used in buffers at the tops of banks:

Box Elder	<i>Acer negundo</i>
Red Maple	<i>Acer rubrum</i>
River Birch	<i>Betula nigra</i>
American Hornbeam	<i>Carpinus caroliniana</i>
Water Hickory	<i>Carya aquatica</i>
Bitternut Hickory	<i>Carya cordiformis</i>
Shagbark Hickory	<i>Carya ovata</i>
Honey Locust	<i>Gleditsia triacanthos</i>
White Oak	<i>Quercus alba</i>
Flameleaf Sumac	<i>Rhus copallina</i>

Plants planted on bank slopes as part of bioengineering projects:

Silver Maple	<i>Acer saccharinum</i>
Hackberry	<i>Celtis occidentalis</i>
Silky Dogwood	<i>Cornus amomum</i>
Roughleaf Dogwood	<i>Cornus drummondii</i>
Gray Dogwood	<i>Cornus racemosa</i>
Roundleaf Dogwood	<i>Cornus rugosa</i>
Red-Osier Dogwood	<i>Cornus sericea ssp sericea</i>
Green Ash	<i>Fraxinus pennsylvanica</i>
Black Walnut	<i>Juglans nigra</i>
Eastern Redcedar	<i>Juniperus virginiana</i>
Common Ninebark	<i>Physocarpus opulifolius</i>
Sycamore	<i>Platanus occidentalis</i>

Plants planted on the bank slopes as part of bioengineering projects (*continued*):

Eastern Cottonwood	<i>Populus deltoides</i>
Wild Plum	<i>Prunus angustifolia</i>
Common Chokecherry	<i>Prunus virginiana</i>
Swamp White Oak	<i>Quercus bicolor</i>
Bur Oak	<i>Quercus macrocarpa</i>
Black Locust	<i>Robinia pseudoacacia</i>
Sandbar Willow	<i>Salix interior</i>
Black Willow	<i>Salix nigra</i>
Red Elderberry	<i>Sambucus racemosa</i>
Nannyberry	<i>Viburnum lentago</i>
American Cranberry Bush	<i>Viburnum trilobum</i>