



## Talbot County Buffer Management Plan Guidelines & Plant List



Call Talbot County Planning & Zoning Office For Further Information (410) 770-8030

**PLANTING CRITERIA:** Planting should occur between March 1 to May 15 and September 15 to December 31. Large trees may require staking or guying and smaller trees and whips will require protection devices or fencing. Watering and fertilizing may be needed depending on weather, soil conditions, or if planted out of season. A minimum of two inches of hardwood shredded mulch, spread to at least canopy extent is strongly recommended. Granular pre-emergent herbicides, such as Preen™ of herbicide applications such as Oust™ are also recommended.

**PLANT SELECTION:** All planting plans must contain a minimum of 100% plants native to this County, or approved by this office. Enclosed is a list of woody plants appropriate for this County. It is very important to use hardy, site-specific plant material matching the plants to the unique conditions of the area. Soil, moisture, salt spray, prevailing winds, sun/shade exposure and habitat opportunities should all be considered when choosing the most appropriate plants.

**PLANT LOCATION:** Credit will not be given for foundation plantings within 20' of primary structures. Planting should occur within or contiguous to the Shoreline Development Buffer (Buffer), existing wooded or other sensitive areas, in the following order of preference:

1. On-site within the buffer
2. On-site adjacent to the Buffer, wooded, or other sensitive areas
3. On-site within critical area
4. On-site within non-productive agricultural lands
5. Off-site (follow order of preference 1-4 above)
6. \$1.50 per square foot, Fee-in-lieu payment, only approved by Talbot County Office of Planning & Zoning under certain conditions, not for Buffer Establishment.

### TYPES OF PLANTING PLANS-

1. Simplified Buffer Management Plan/ Property Maintenance Permit
2. Minor Buffer Management Plan/ Critical Area Forest Preservation Plan
3. Major Buffer Management Plan/ Critical Area Forest Preservation Plan

**PLANTING AND SURETY AGREEMENTS AND SURETY:** Most planting plans will be required to be guaranteed by a cash bond or irrevocable letter of credit.

| BOTANICAL NAME | COMMON NAME | CREDIT CATAGORY |
|----------------|-------------|-----------------|
|----------------|-------------|-----------------|

|  |                            |                        |
|--|----------------------------|------------------------|
| <i>Acer barbatum</i>                             | Southern Sugar Maple       | Decid. Canopy Tree     |
| <i>Acer rubrum</i>                               | Red Maple                  | Decid. Canopy Tree     |
| <i>Acer saccharinum</i>                          | Silver Maple               | Decid. Understory Tree |
| <i>Acer saccharum</i>                            | Sugar Maple                | Decid. Canopy Tree     |
| <i>Alnus serrulata</i>                           | Smooth Alder               | Decid. Understory Tree |
| <i>Amelanchier arborea, canadensis or laevis</i> | Serviceberry               | Decid. Understory Tree |
| <i>Amelanchier obovatis</i>                      | Obvate Serviceberry        | Decid. Understory Tree |
| <i>Amelanchier obpvalis</i>                      | Paw Paw                    | Decid. Understory Tree |
| <i>Baccharis halimifolia</i>                     | High-tide Bush             | Decid. Shrub > 3'      |
| <i>Carpinus caroliniana</i>                      | American Hornbeam          | Decid. Canopy Tree     |
| <i>Carya glabra</i>                              | Pignut Hickory             | Decid. Canopy Tree     |
| <i>Carya tomentosa</i>                           | Mochernut Hickory          | Decid. Canopy Tree     |
| <i>Castanea pumila</i>                           | Chinquapin                 | Decid. Understory Tree |
| <i>Celtis occidentalis</i>                       | Hackberry                  | Decid. Understory Tree |
| <i>Cephalanthus occidentalis</i>                 | Button Bush                | Decid. Shrub > 3'      |
| <i>Cercis canadensis</i>                         | Eastern Redbud             | Decid. Understory Tree |
| <i>Cercis canadensis</i>                         | Redbud                     | Decid. Understory Tree |
| <i>Chionanthus virginicus</i>                    | Fringe Tree                | Decid. Understory Tree |
| <i>Cladrastis lutea</i>                          | American Yellowwood        | Decid. Canopy Tree     |
| <i>Clethra alnifolia</i>                         | Sweet Pepperbush           | Decid. Shrub < 3'      |
| <i>Comptonia peregrina</i>                       | Sweet Fern                 | Decid. Shrub < 3'      |
| <i>Cornus amomum</i>                             | Silky Dogwood              | Decid. Shrub > 3'      |
| <i>Crataegus viridis</i>                         | Southern or Green Hawthorn | Decid. Understory Tree |
| <i>Cratagegus canbyi</i>                         | Canby's Hawthorn           | Decid. Understory Tree |
| <i>Diospyros virginiana</i>                      | Common Persimmon           | Decid. Understory Tree |
| <i>Euonymus americanus</i>                       | Strawberry Bush            | Decid. Shrub > 3'      |
| <i>Fagus grandifolia</i>                         | American Beech             | Decid. Canopy Tree     |
| <i>Fagus sylvatica 'Purpurea'</i>                | Copper Beech               | Decid. Canopy Tree     |
| <i>Gaylussacia dumosa</i>                        | Dwarf Huckleberry*         | Decid. Shrub > 3'      |
| <i>Gaylussacia frondosa</i>                      | Dangleberry*               | Decid. Shrub > 3'      |
| <i>Hamamelis virginiana</i>                      | Witch Hazel                | Decid. Shrub > 3'      |
| <i>Ilex decidua</i>                              | Possumhaw*                 | Decid. Shrub > 3'      |
| <i>Ilex glabra</i>                               | Inkberry*                  | Decid. Shrub < & > 3'  |

| BOTANICAL NAME  | COMMON NAME  | CREDIT CATAGORY          |
|---|--|--------------------------|
| <i>Ilex laevigata</i>   | Winterberry*   | Evergreen shrub < 3'     |
| <i>Ilex opaca</i>   | American Holly   | Evergreen Tree           |
| <i>Ilex</i> x "Nellie R. Stevens  | Nellie Stevens Holly   | Evergreen Tree           |
| <i>Itea virginica</i>   | Tassel or Virginia Sweetspire  | Decid. Shrub < 3'        |
| <i>Juglans nigra</i>  | Black Walnut   | Decid. Canopy Tree       |
| <i>Juniperus virginiana</i>   | Eastern Red Cedar  | Evergreen Tree           |
| <i>Kalmia latifolia</i>   | Mountain Laurel*   | Evergreen Shrub > 3'     |
| <i>Leucothoe racemosa</i>   | Fetterbush/Sweetbells <i>Leucothoe</i> *   | Evergreen Shrub < & > 3' |
| <i>Lindera benzoin</i>  | Spicebush  | Decid. Shrub > 3'        |
| <i>Liquidambar styraciflua</i>  | American Sweet Gum   | Decid. Canopy Tree       |
| <i>Liriodendron tulipifera</i>  | Tulip Tree or Tulip Poplar   | Decid. Canopy Tree       |
| <i>Lyonia ligustrina</i>  | Maple-berry  | Decid. Shrub > 3'        |
| <i>Lyonia mariana</i>   | Staggerbush  | Decid. Shrub > 3'        |
| <i>Magnolia grandiflora</i>   | Southern Magnolia  | Understory Tree          |
| <i>Magnolia virginiana</i>  | Sweetbay Magnolia  | Decid. Understory Tree   |
| <i>Mitchella repens</i>   | Partridge Berry  | Ground Cover             |
| <i>Morus rubra</i>  | Red Mulberry   | Decid. Understory Tree   |
| <i>Myrica cerifera</i>  | Waxmyrtle  | Evergreen shrub > 3'     |
| <i>Myrica pensylvanica</i>  | Bayberry   | Evergreen shrub > 3'     |
| <i>Nyssa sylvatica</i>  | Black or Sour Gum  | Decid. Canopy Tree       |
| <i>Pinus echinata</i>   | Shortleaf Pine   | Evergreen Canopy Tree    |
| <i>Pinus rigida</i>   | Pitch Pine   | Evergreen Canopy Tree    |
| <i>Pinus taeda</i>  | Loblolly Pine  | Evergreen Canopy Tree    |
| <i>Platanus occidentalis</i><br>SUBSTITUTE WITH<br><i>Platanus x acerifolia</i> | American Sycamore NOTE:<br>Sycamore susceptible to disease,<br>may substitute London Planetree | Decid. Canopy Tree       |
| <i>Populus deltoides</i>  | Eastern Cottonwood   | Decid. Canopy Tree       |
| <i>Populus occidentalis</i>   | Aspen  | Decid. Understory Tree   |
| <i>Prunus maritima</i>  | Beach Plum   | Decid. Understory Tree   |
| <i>Prunus serotina</i>  | Black Cherry   | Decid. Understory Tree   |
| <i>Prunus virginiana</i>  | Choke Cherry   | Decid. Understory Tree   |
| <i>Pyrus arbutifolia</i>  | Red Chokecherry  | Decid. Understory Tree   |
| <i>Pyrus coronaria</i>  | Wild Crab  | Decid. Understory Tree   |
| <i>Quercus alba</i>   | White Oak  | Decid. Canopy Tree       |

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|--------------------------------|-------------------------|----------------------------------|
| <i>Quercus bicolor</i>         | Swamp White Oak         | Decid. Canopy Tree               |
| <i>Quercus borealis</i>        | Northern Red Oak        | Decid. Canopy Tree               |
| <i>Quercus coccinea</i>        | Scarlet Oak             | Decid. Canopy Tree               |
| <i>Quercus falcata</i>         | Southern Red Oak        | Decid. Canopy Tree               |
| <i>Quercus macrocarpa</i>      | Bur Oak                 | Decid. Canopy Tree               |
| <i>Quercus marilandica</i>     | Black Jack Oak          | Decid. Canopy Tree               |
| <i>Quercus muehlenbergii</i>   | Yellow Chestnut Oak     | Decid. Canopy Tree               |
| <i>Quercus palustris</i>       | Pin Oak                 | Decid. Canopy Tree               |
| <i>Quercus phellos</i>         | Willow Oak              | Decid. Canopy Tree               |
| <i>Quercus prinus</i>          | Chestnut Oak            | Decid. Canopy Tree               |
| <i>Quercus rubra</i>           | Red Oak                 | Decid. Canopy Tree               |
| <i>Quercus velutina</i>        | Black Oak               | Decid. Canopy Tree               |
| <i>Rhododendron atlanticum</i> | Dwarf Azalea*           | Decid & Evergreen<br>Shrub > 3'  |
| <i>Rhododendron canescens</i>  | Sweet Azalea*           | Decid & Evergreen<br>Shrub > 3'  |
| <i>Rhododendron nudiflorum</i> | Pink Azalea*            | Decid & Evergreen<br>Shrub > 3'  |
| <i>Rhododendron viscosum</i>   | Swamp Azalea*           | Decid & Evergreen<br>Shrub > 3'  |
| <i>Rhus copallina</i>          | Dwarf or Ginger Sumac   | Decid. Shrub < & > 3'            |
| <i>Rhus glabra</i>             | Sweet or Fragrant Sumac | Decid. Shrub > 3'                |
| <i>Rhus Typhina</i>            | Staghorn Sumac          | Decid. Shrub > 3'                |
| <i>Robinia pseudoacacia</i>    | Black Locust            | Decid. Canopy Tree               |
| <i>Rubus cuneifolius</i>       | Blueberry*              | Decid. Shrub < 3'                |
| <i>Salix nigra</i>             | Black Willow            | Decid. Understory Tree           |
| <i>Sassafras albidum</i>       | Sassafras               | Decid. Shrub > 3'                |
| <i>Spiraea latifolia</i>       | American Meadow-sweet   | Decid. Shrub > 3'                |
| <i>Spirea alba</i>             | Meadow Sweet            | Decid. Shrub > 3'                |
| <i>Styrax americanus</i>       | American Snowbell       | Decid. Shrub > 3'                |
| <i>Styrax grandifolius</i>     | Bigleaf Snowbell        | Decid. Shrub > 3'                |
| <i>Tasodium distichum</i>      | Bald Cypress            | Decid. Coniferous Canopy<br>Tree |
| <i>Ulmus rubra</i>             | Slippery Elm            | Decid. Canopy Tree               |
| <i>Vaccinium corymbosum</i>    | Highbush Blueberry*     | Decid. Shrub > 3'                |
| <i>Vaccinium stamineum</i>     | Deerberry*              | Decid. Shrub > 3'                |

| BOTANICAL NAME                    | COMMON NAME           | CREDIT CATAGORY    |
|-----------------------------------|-----------------------|--------------------|
| Vaccinium vacillans               | Low Blueberry*        | Decid. Shrub > 3'  |
| Viburnum acerifolium              | Maple-leaved Viburnum | Decid. Shrub > 3'  |
| Viburnum dentatum                 | Arrowwood             | Decid. Shrub > 3'  |
| Viburnum prunifolium              | Blackhaw Viburnum     | Decid. Shrub > 3'  |
| Zelkova serrata (replace Am. elm) | Zelkova               | Decid. Canopy Tree |

\*Ericaceae family--best in acidic soils

## Mitigation Standards

| Vegetation Type       | Minimum Size Eligible for Credit   | Maximum Credit Allowed (Square Feet) | Maximum Percent of Credit |
|-----------------------|--|--------------------------------------|---------------------------|
| Canopy tree           | 2-inch caliper and 8 feet high   | 200                                  | Not applicable            |
| Canopy tree           | 1-inch caliper and 6 feet high   | 100                                  | Not applicable            |
| Understory tree       | 1-inch caliper and 6 feet high   | 75                                   | Not applicable            |
| Large shrub           | 1 gallon and 4 feet high   | 50                                   | 30                        |
| Small shrub           | 1 gallon and 18 inches high  | 25                                   | 20                        |
| Herbaceous perennial* | 1 quart  | 2                                    | 10                        |
| Planting Cluster 1*   | 1 canopy tree; and 3 large shrubs or 6 small shrubs of sizes listed above      | 300                                  | Not applicable            |
| Planting Cluster 2*   | 2 understory trees; and 3 large shrubs or 6 small shrubs of sizes listed above | 350                                  | Not applicable            |

**\* OR AS DETERMINED BY TALBOT COUNTY PLANNING AND ZONING OFFICE \***