# Tree Removal Permit Checklist

| Yes | No | NA | |
|---|---|---|---|
| | | | 1. Complete Tree Removal Permit application |
| | | | 2. Attach plot plan showing all structures and location of trees. |
| | | | 3. Plot plan needs to show all lot lines for entire property and dimensions |
| | | | 4. Show the primary street at the bottom of the drawing. |
| | | | 5. HOA Approval if required (Trinity Woods Preserve, Scott Gardens, Cool Springs) |
| | | | 6. Vegetation replacement is required for those trees removed from the **Critical Area Buffer** and suggested for all areas of the town—Staff will advise you of what type and the number of vegetation (i.e. large trees, small trees, large shrubs, small shrubs and herbaceous plants) need to be planted to replace your removed vegetation. A list of preferred replacement vegetation is attached to this permit package. (See |
| | | | 7. Sign/date all places where such is required. |

* A tree removal permit is for the taking down of trees on your property

*Property Owner must sign the permit or provide a letter of authorization for the work being completed.

*This form fully filled out is part of the application process and must be submitted at the time of the permit submission.

* Attached to this permit is a list of suggested trees, shrubs, and plants you might wish to use as they will be more tolerant of our environment.

Excerpts from Ordinance 2006-02

**An ordinance to Chesapeake Bay Critical Standard for the Protection of the Chesapeake Bay and its Tributaries**

WHEREAS, In 1984 the Maryland General Assembly passed the Chesapeake Bay Critical Area Protection Program to establish a resource protection program for the Chesapeake Bay and its tributaries by fostering more sensitive development activity by setting forth standards requiring the minimization of adverse impacts on water quality and protection of the natural plant, fish and wildlife habitats. The geographic area for which the following regulations apply shall include those lands and waters located within one thousand feet of the landward boundaries of all tidal waters, tidal wetlands and tributary streams to the head of the tide in the Critical Area as designated on the Charlestown Critical Area Overlap Map; and

WHEREAS it is the intent of this overlay district to provide special regulatory protection for the resources located within the Town of Charlestown Critical Area and to foster more sensitive development activity for shoreline areas.

NOW THEREFORE BE IT ORDAINED AND ESTABLISHED by the Town Commissioners of the Town of Charlestown that the following shall constitute and be the Chesapeake Bay Critical Area Ordinance, Secton 175-23, Critical Area Overlay District O of the Charlestown Zoning Ordinance. .....

P. The 100 foot Buffer

(1) Identification of the Buffer. The establishment of a minimum 100 foot buffer fro the mean high water line of tidal waters, the edge of bank of tributary streams, and the landward extent of tidal wetlands shall be required on a site by site basis as part of the environmental assessment and site analysis report.

(2) General Policies. The Town adopts the following policies with regard to the function of the Buffer:

(a) Provide for the removal or reduction of sediments, nutrients and potentially harmful or toxic substances in runoff entering the Bay and its tributaries;

(b) Minimize the adverse effects of human activities on wetlands, shoreline, stream banks, tidal waters and aquatic resources;

(c) Maintain an area of transitional habitat between aquatic and upland communities;

(d) Maintain the natural environment of streams; and

(e) Protect riparian wildlife habitat

Tree cutting in the Buffer. The Buffer shall be managed to enhance the policies stated in P(2) above. Individual trees may be cut for personal use provided the cutting does not impair water quality or exisiting in compliance with the provisions specified herin shall require a Buffer Management Plan approved by the Planning Commission or their designee. Cutting of trees or clearing of vegetation within the Buffer shall be prohibited except that:

(1) Cutting of trees or removal of natural vegetation may be permitted where necessary to provide access to private piers, or to insall or construct a shore erosion protection device or measurer, or a water-dependent facility, providing the device, measure or facility as received all necessary State and Federal permits.

(2) Individual trees may be cut for personal use providing that this cutting does not impair the water quality or existing habitat value or otehr functions of the buffer as set forth in the policies of this plan and provided that the trees are replaced on an equal basis for each tree cut.

(3) Individual trees may be removed which are in danger of falling and causing damage to dwellings or other structures, or which are in danger of falling and therefore causing the blockage of streams, or resulting in accelerated shore erosion.

(4) Horticultural practices may be used to maintain the health of individual trees.

(5) Other cutting techniques may be undertaken within the Buffer and under the advice and guidance of the State Departments of Agriculture and Naturals Resources, if necessary to preserve the forest from extensive pest or disease infestation or threat from fire.

_____ _____

Applicant's Signature Date

**TOWN OF CHARLESTOWN**

**APPLICATION FOR TREE REMOVAL PERMIT**
**Permit fee ($20.00)**

**Applicant Information**

Application Date:_____

Applicant_____ Phone #_____

Address_____

Property Owner_____ Phone #_____

Address_____

Builder/Contractor_____ Phone #_____

Address_____

**Work Site Information**

MAP_____ GRID_____ PARCEL_____ LOT NO._____ ZONING_____

( )CAC ( )FLOODPLAIN ( )FOREST RETENTION ( )EASEMENT RESTRICTIONS ( )NON TIDAL WETLANDS

Address_____

Located in Historic District? _____ Yes _____ No

Dimensions of Lot_____ Acres_____ Square Footage_____

Present Use _____ Intended Use_____

Public Water Service: Yes [ ] No [ ] Public Sewer Service: Yes [ ] No [ ]

Estimated Project Cost:_____

Brief Description of **All** Proposed Work _____

_____

_____

_____ _____

Signature of Owner or Authorized Agent and/or Signature of Applicant or Agent

**A COPY OF SCALED SITE PLAN SHOULD ACCOMPANY THIS APPLICATION. SITE PLAN MUST SHOW DIMENSIONS OF LOT & SIZE OF ALL EXISTING STRUCTURES AND TREES ON THE PROPERTY AND INCLUDE DISTANCES FROM PROPERTY LINES.**

**SITE PLANS & DOCUMENTS ACCOMPANYING THIS PERMIT MUST BE SIGNED AND DATED.**

**.....**(FOR OFFICE USE ONLY)**.....**

**CHARLESTOWN HISTORIC DISTRICT COMMISSION**

Recommendation: Approval[ ] Disapproval [ ] Reason:_____

Date: _____Signature :_____

**CHARLESTOWN PLANNING AND ZONING BOARD APPROVAL**

Date: _____Signature :_____

Restrictions _____

Advised resident of restrictions if any Date _____ Initials _____

Fee Amount: $20.00 Receipt/Check #_____ Date Pd:_____ Initials:_____

APPLICATION #

Rev. 10/17

## Vegetation Suggestions

**Canopy Trees**

| Latin Name | Common Name | Height | Spread |
|---|---|---|---|
| Acer negundo | Box elder, ash leaf maple, Manitoba maple | 30’ - 60’ | 30’ - 60’ |
| Acer rubrum | red, scarlet, swamp, or soft maple | 40’ - 100’ | 30’ - 75’ |
| Acer saccharum | sugar maple | 60’ - 100’ | 50’ - 75’ |
| Betula alleghaniensis | yellow birch | 60’ - 80’ | 35’ - 50’ |
| Betula lenta | sweet birch, black birch cherry birch | 50’ - 75’ | 35’ - 50’ |
| Betula nigra | river birch, red birch Black birch | 50’ -75’ | 35’ - 50’ |
| Carya alba (C. tomentosa) | mockernut, hickory | 60’ - 100’ | 35’ - 50’ |
| Carya cordiformis | bitternut or swamp hickory Pignut | 60’ - 100’ | 60’ - 100’ |
| Carya glabra | pignut, sweet pignut, Smooth bark hickory | 60’ - 100’ | 35’ - 50’ |
| Carya ovata | shagbark, scalybark, or Shellbark hickory | 70’ - 100’ | 35’ - 50’ |
| Celtis occidentalis | common hackberry, Sugarberry, nettletree | 40’ - 100’ | 40’ - 100’ |
| Chamaecyparis thyoides | Atlantic white cedar | 75’ | |
| Diospyros virginiana | common persimmon | 50’ - 75’ | 35’ - 50’ |
| Fagus grandifolia | American beech | 50’ - 100’ | 50’ - 75’ |
| Fraxinus Americana | white ash | 50’ - 100’ | 50’ - 75’ |
| Fraxinus pennsylvanica | green ash, red ash Swamp ash | 50’ - 75’ | 35’ - 50’ |
| Juglans nigra | black walnut, American Walnut | 70’ - 90’ | 75’ - 100’ |
| Juniperus virginiana | eastern red cedar | 50’ - 75’ | 35’ - 50’ |
| Liquidambar styraciflua | sweet gum, red gum Sap gum | 60’ - 100’ | 50’ - 75’ |
| Liriodendron tulipfera | tulip tree, tulip poplar Yellow poplar | 70’ - 100’ | 35’ - 50’ |
| Magnolia acuminate | cucumber magnolia | 70’ - 100’ | 35’ - 50’ |
| Morus rubra | red mulberry, moral | 35’ - 60’ | 35’ - 60’ |
| Nyssa sylvatica | black gum, sourgum, Black or swam tupelo | 30’ - 75’ | 20’ - 50’ |
| Pinus echinate | shortleaf pine, shortstraw Pine, southern yellow pine | 100’ | |
| Pinus rigida | pitch pine | 50’ 75’ | 50’ - 75’ |
| Pinus strobus | white pine, eastern white Pine | 75’ - 100’ | 50’ - 75’ |
| Pinus taeda | loblolly, old field or | 70’ - 90’ | |

| Latin Name | Common Name | Height | Spread |
|---|---|---|---|
| Pinus viriniana | Virginia pine, scrub pine<br>Jersey pine | 50’ 80’ | |
| Platanus occidentalis | American sycamore<br>American planetree | 75’ - 100’ | 75’ - 100’ |
| Populus deltoids | Eastern or southern<br>Cottonwood, Carolina poplar | 75’ - 100’ | 50’ - 100’ |
| Poplulus heterophylla | swamp cottonwood<br>Swamp poplar, black cottonwood, downy poplar | 80’ | |
| Quercus alba | white oak, stave oak | 75’ - 100’ | 75’ - 100’ |
| Quercus bicolor | swamp white oak<br>Swamp oak | 60’ - 100’ | 50’ - 75’ |
| Quercus coccinea | scarlet oak, red oak<br>Black oak | 40’ - 75’ | 50’ - 75’ |
| Quercus falcata | southern or swamp red oak<br>Spanish oak | 70’- 80’ | |
| Quercus michauxii | swamp chestnut oak<br>Basket oak, cow oak | 50’ - 80’ | 75’ - 100’ |
| Quercus marilandia | blackjack oak, jack oak | 35’ - 50’ | 35’ 50’ |
| Quercus michauxii | swamp chestnut oak<br>Basket oak, cow oak | 50’ - 80’ | 75’ - 100’ |
| Quercus muehlenbergii | Chinquapin or chinkapin<br>Oak, yellow oak, chestnut oak | 35’ - 50’ | 35’ - 50’ |
| Quercus nigra | water oak | 50’ - 80’ | |
| Quercus palustris | pin oak, swam oak<br>Spanish oak | 50’ - 80’ | 50’ 75’ |
| Quercus phellos | willow oak, pin oak<br>Peach oak | 80’ - 100’ | |
| Quercus prinus | chestnut oak, rock oak | 40’ - 80’ | |
| Quercus rubra | nothern red oak | 90’ | |
| Quercus stellate | post oak, iron oak | 35’ - 50’ | 35’ - 50’ |
| Quercus velutina | black oak, yellow bark oak<br>Quercitron oak | 75’ - 100’ | 75’ - 100’ |
| Salix nigra | black willow swamp willow | 35’ - 50’ | 20’ - 35’ |
| Sorbus American<br>(Pyrus americana) | American Mountain Ash | 30’ - 40’ | |
| Taxodium distichum | bald cypress, cypress,<br>Swamp cypress | 50’ - 100’ | 20’ - 35’ |
| Tilia americana | American basswood, linden | 70’ - 100’ | 50’ - 75’ |
| Tsuga canadensis | eastern hemlock | 75’ - 100’ | 35’ 50’ |
| Ulmus americana | American elm. White elm<br>Soft elm | 75’ - 100’ | 75’ - 100’ |
| Ulmus rubra | slippery elm, red elm<br>Soft elm | 70’ | |

## Under Canopy Trees

| | | | |
|---|---|---|---|
| Acer spicatum | mountain maple | 20’ - 35’ | 20’ - 35’ |
| Amelanchier arborea | downy serviceberry<br>shadbush | 15’- 25’ | |
| Amelanchier canadensis | serviceberry, shadbush<br>Shadblow | 35’- 50’ | 35’ - 50’ |
| Asimina trilobal | paw-paw | 20’ - 35’ | 20’ - 35’ |
| Carpinus caroliniana | American hornbeam<br>Musclewood ironwood | 13’ - 40’ | 35’ - 50’ |
| Castanea pumila | chinquapin, eastern or<br>Allegany chinkapin | 12’ - 20’ | 12’ - 20’ |
| Cercis canadensis | eastern redbud | 20’ - 35’ | 20’ - 35’ |
| Chionanthus virginicus | white fingetree | 20’ - 35’ | 20’ - 35’ |
| Cornus alternifolia | alternate leaf or pagoda<br>dogwood | 15’ - 25’ | 15’ - 35’ |
| Cornus florida | flowering dogwood | 20’ - 50’ | 20’ - 50’ |
| Crataegus crus-galli | cockspur hawthorn | 20’ - 35’ | 20’ - 35’ |
| Crataegus virdis | southern thorn<br>Green hawthorn | 20’ - 35’ | |
| Ilex opaca | American holly | 15’ - 50’ | 18’ - 40’ |
| Magnolia virginiana | sweetbay magnolia | 12’ - 30’ | 12’ - 30’ |
| Malus coronaria<br>(Pyrus coronaria) | sweet crabapple<br>American crabapple | 10’ - 30’ | 20’ - 30’ |
| Ostrya virginiana | eastern hop-hornbeam<br>Ironwood | 25’ - 50’ | 20’ - 35’ |
| Prunus americana | American wild plum | 20’ - 35’ | 20’ - 35’ |
| Prunus pensylvanica | pin cherry, fire cherry | 20’ - 35’ | 20’ - 35’ |
| Prunus virginiana | choke cherry | 25’ - 50’ | 20’ - 35’ |
| Quercus marilandica | blackjack oak, jack oak | 35’ - 50’ | 35’ - 50’ |
| Salix sericea | silky willow | 12’ | |
| Sassafras albidum | sassafras | 35’ - 50’ | 35’ - 50’ |

## Shrubs

| Latin Name | Common Name | Height |
|---|---|---|
| Alnus serrulate | smooth alder, hazel alder | 12’ - 20’ |
| Aralia spinose | Devil’s walking stick | 20’ - 30’ |
| Baccharis halimifolia | high tide bush, groundsel tree, sea myrtle | 6’ -12’ |
| Ceanothus americanus | New Jersey tea | 3’ |
| Cephalanthus occidentalis | buttonbush | 6’ -12’ |
| Clethra alnifolia | sweet pepperbush, summersweet | 6’ - 12’ |
| Comptonia peregrine | sweetfern | 3’ |
| Cornus amomum | silky dogwood, red willow, silky cornel | 6’ -12’ |
| Corylus americana | American hazelnut or filbert | 10’ - 15’ |
| Gaultheria procumbens | wintergreen, checkerberry | .5’ |
| Gaylussacia baccata | black huckleberry | 1.5’ - 3’ |
| Gaylussacia frondosa | dangleberry | 2’ - 4’ |
| Hamamelis virginiana | witch hazel | 15’ - 30’ |
| Hydrangea arborescens | wild or smooth hydrangea | 3’ - 6’ |
| Hypericum densiflorum | dense St. John’s wort | 1.5’ - 6’ |
| Ilex laevigate | smooth winterberry | 10’ - 12’ |
| Ilex verticillate | winterberry, winterberry holly, black alder | 6’ - 12’ |
| Itea virginica | tassel-white Virginia sweetspire | 6’ -10’ |
| Iva frutenscens | marsh elder, high tide bush | 2’ 10’ |
| Kalmia angustifolia | sheep laurel, lambkill | 2’ - 3’ |
| Kalmia latifolia | mountain laurel | 12’ 20’ |
| Leucothoe racermosa | fetterbush, sweetbells | 13’ |
| Lindera benzoin | spicebush | 6.5’ - 16’ |
| Lyonia ligustrina | male-berry | 6’ - 12’ |
| Lyonia mariana | staggerbush | .5’ - 6.5’ |
| Morella (Myrica)cerifera | wax myrtle, southern bayberry | 6’ - 15’ |
| Morell (Myrica) Pennsylvanica | northern bayberry, candleberry | 5’ -10’ |
| Photinia melanocarpa | black chockeberry | 3’ - 6’ |
| Photinia pyrifolia | red chockeberry | 1.5’ - 13’ |
| Prunus maritima | beach plum | 1’ -8’ |
| Rhododendron atlanticum | dwarf or coast azalea | 1’ - 2.5’ |
| Rhododendron canescens | sweet azalea | 3’ - 10’ |
| Rhododendron maximum | great laurel, rosebay, rhododendron | 15’ - 20’ |

| Latin Name | Common Name | Height |
|---|---|---|
| Rhododendron pericyclmenoides | pinxterbloom, pink azalea, pinxter flower | 3’ -10’ |
| Rhododendron viscosum | swamp azalea | 6.5’ - 10’ |
| Rhus aromatic | fragrant sumac | 6’ |
| Rus copallina | shining, winged, flameleaf or dwarf sumac | 20’ - 35’ |
| Rhus glabra | sweet or smooth sumac | 2’ - 20’ |
| Rhus hirta | staghorn sumac | 35’ 50’ |
| Ribes rotundifolium | Appalachian or eastern gooseberry | 3’ - 6’ |
| Rosa Carolina | pasture rose | .5’ - 3’ |
| Rosa palustris | swamp rose | 8’ |
| Rubus allegheniensis | Allegheny blackberry | 3’ - 9’ |
| Rubus odoratus | purple flowering raspberry<br>fragrant thimbleberry | 3’ - 6’ |
| Sambucus nigra | common elderberry, American elder | 6’ - 12’ |
| Spiraea alba v. latifolia | broad-leaved meadow-sweet | 3’ - 6’ |
| Spiraea alba | narrow-leaved meadow-sweet | 3’ - 6’ |
| Spiraea tomentosa | steeplebush, hardback spirea | 3’ - 6’ |
| Staphylea trifolia | American bladdernut | 3’ 15’ |
| Vaccinium angustifolium | lowbush blueberry | 1’ - 2’ |
| Vaccinium corymbosum | highbush blueberry | 6’ - 12’ |
| Vaccimium macrocarpon | cranberry | .5’ - 1’ |
| Vaccinium pallidum | early lowbush blueberry | 1.5’ - 2’ |
| Vaccinium stamineum | deerberry | 6’ -12’ |
| Viburnum acerifolium | maple leaved arrowwood | 3’ - 6’ |
| Viburnum dentatum | southern arrowwood | 10’ - 15’ |
| Viburnum nudum v. assinoides | witherod | 6’ - 12’ |
| Viburnum nudum | naked witherod possum-haw viburnum | 6.5’ - 20’ |
| Viburnum prunifolium | black haw | 12’ - 24’ |

## Ferns native to Maryland

Northern maindenhair fern

Ebony spleenwort

Rattlesnake fern

Hay-scented fern

Toothed or spinulose woodfern

Crested wood or shield fern, narrow swamp fern

Marginal or evergreen shield fern, everygreen wood fern

Sensitive fern

Cinnamon fern

Interrupted fern

Royal fern

Christmas fern

Bracken fern

New York fern

Marsh fern

Netted chain fern

Virginia chain fern

## Native Ornamental Grasses

Broomsedge

Blue wood sedge

Pennsylvania sedge

Tussock sedge

Wild oats, river oats, sea otas, spanglegrass

Canada wild rye

Bottlebrush grass

Virginia wild rye

Red fescue

Bitter or coastal panic grass, beachgrass

Switchgrass

Little bluestem

Indiangrass

Gama grass

## Herbaceous Plants

Purple false foxglove

White snakeroot

Nodding onion

Thimbleweed, tall anemone

Field pussytoes

Easter or wild columbine

Wild sarsaparilla

Spikenard

Jack-in-the-pulpit

Wild ginger

Swamp milkweed

Common mildewed

Butterfly weed, butterfly mildewed, butterfly flower

Wild blue indigo, false blue indigo

Yellow wild indigo

Nodding beggar-ticks, nodding bur marigold

Marsh marigold

American or tall bellflower

Toothwort

Blue cohosh

Partridge pea, prairie senna

Firewood

White turtlehead, turtlehead

Striped wintergreen, striped prince's pine

Golden aster, Maryland golden aster

Black snakeroot, black cohosh, fairy candles

Narrowleaf spring beauty, spring beauty

Threadleaf coreopsis

Panicled or narrow-leaf tick-trefoil

Squirrel corn

Dutchman's breeches

Wild bleeding hearts

Shooting star

Flat-top white aster, parasol whitetop

Robin's plantain

Trout lily, yellow trout lily, dogtooth violet

Joe-Pye weed

Trumpet weed

Hyssop-leaved thoroughwort, hyssop-leaved eupatorium

Common boneset

Green stemmed Joe Pye weed

White wood aster

Closed gentian, bottle gentian

Wild geranium, wood geranium

Downy rattlesnake plantain

Yellow or common sneezeweed

Swamp sunflower

Woodland sunflower, rough sunflower

Oxeye sunflower, oxeye

Round lobeed hepatica, liverleaf

Cow parsnip

Alumroot

Hairy heuchera, hairy alumroot

Bluet, innocence, Quaker ladies

Vinginia waterleaf

Allegheny stonecrop

Jewelweed, touch-me-not

Stiff leaf aster, flaxleaf whitetop aster

Twinleaf

Grass leaf blazing star

Eastern or northern lazing star, tall gayfeather

Canada lily

Turk's cap lily

Sea lavender

Cardinal flower

Great blue lobelia

Canada mayflower

False Solomon's seal

Indian cucumber

Virginia bunchflower

Virgnia bluebells

Partridgeberry

Twoleaf miterwort, bishop's cap

Wild bergamont, horsemint

Beebalm, Oswego tea

Horsemint, spotted bee-balm

Blue, old-field or Canada toadflax

Common evening primrose

Narrow-leaved sundrops

Sundrops

Eastern prickly-pear cactus

Sweet cicely anise root

Violet wood sorrel

Golden ragwort, golden groundsel

Beartongue, tall white or foxglove beardtongue

Smooth or eastern beardtongue

Woodland or wild blue phlox, wild sweet William

Creeping phlox

Moss phlox, moss-pink

Obedient plant, false dragonhead

# Herbaceous Plants

Mayapple

Jacob's ladder, Greek valerian

Solomon's Seal, dwarf Solomon's seal

Bowman's root

Hoary mountain mint

Early, easter, or orange coneflower

Black eyed Susan

Tall, green-headed, or cutleaf coneflower

Three lobed coneflower

Carolina wild petunia

Rose pink, common marsh-pink

Bloodroot

Eastern swamp saxifrage

Early saxifrage

Rough or hyssop skullcap, helmet flower

Mountain stonecrop, wild stonecrop

Wild pink

Starry campion, widow's frill

Blue-eyed grass

Coastal easter blue-eyed grass

Bluestem goldenrod, wreath goldenrod

Tall or late goldenrod

Braod leaf or zig zag goldenrod

Early goldenrod

Gray, dwarf, old-field, or one-sided goldenrod

Wrinkle-leaf or rough-stemmed goldenrod

Seaside goldenrod

Nodding ladies tresses

Hedge nettle

Star chickweed, great chickweed

Heath, white heath, or dense-flowered aster, frostweed

Smooth blue aster

New England aster

New York aster

Skunk cabbage

Early meadow rue

Tall meadow rue

Rue anemone windflower

Foamflower, false miterwort

Virginia spiderwort, widow's tears

Purple or red trillium wakerobin

White or large-flowered trillium

Toadshade

Painted trillium

Perfoliate bellwort, mealy bellwort

Straw lily

Green falst hellebore, white hellebore

Blue vervain, simpler's joy

Wingstem, yellow ironweed

New York ironweed

Culver's root

Haleberdleaf, yellow violet

Bird's foot violet

Striped cream violet, striped violet

Adam's needle

Saltgrass

Rose mallow, eastern rosemallow

Blue falg

Canada rush

Soft rush

Black needlerush, needlegrass rush,

American water-willow

Seashore mallow

Spatterdock, yellow water lily, cow-lily

American lotus

Fragrant water lily, American water lily white water lily

Golden club

Arrow Arum

Pickerelweed

Duck potato, arrowhead, broadleaf arrowhead

Lizard's tail

Common three-square

Graet bulrush, soft stem bulrush

Black or green blurush, dark green bulrush

Woolgrass, woolgrass bulrush

Salt marsh or smooth cordgrass

Big cordgrass

Salt meadow hay

Freshwater cordgrass, prairie cordgrass

Wild rice