

ECOLOGICAL COMMUNITIES OF MISSISSIPPI

The Mississippi Natural Heritage Program (MNHP) Ecological Communities list is holistic and ecologically based. Terrestrial habitats are typically classified by a combination of the dominant vegetation cover and moisture availability. Aquatic habitats are primarily classified by ecoregion, stream size and/or drainage, differences in soil type and topography.

This list includes natural, semi-natural, managed, weedy and probable subtypes which have been assigned conservation priority ranks indicating their relative endangerment or abundance (See page 9 for information on interpreting those ranks).

The primary factors the MNHP uses for assessing community status are the total number of occurrences (e.g., forest stands) and the total acreage occupied by the community. Secondary factors include the geographic range over which the community occurs, threats and the integrity of the occurrences. Because detailed information on these factors may not be available, especially for poorly understood communities, preliminary assessments are often based on the following: geographic range over which the community occurs; long-term trends across this range; short-term trends (i.e., threats); degree of site/environmental specificity exhibited by the community; and imperilment or rarity across the range.

Sub-mesic upland forests

<p>CA123D0000</p> <p style="text-align: center;">Chestnut oak slope and ridge forest</p> <p><i>Quercus prinus</i> - <i>Quercus (rubra, velutina, muehlenbergii)</i> Chestnut Oak - Northern Red Oak - Black/chinkapin Oak</p>	<p>S1</p>	<p>CA134DM000</p> <p style="text-align: center;">Dry-mesic mixed oak - pine forest</p> <p><i>Pinus (taeda, echinata)</i> - <i>Quercus (alba, falcata, nigra, pago da)</i> - <i>Liquidambar styraciflua</i> Loblolly/shortleaf Pine - White/southern Red/water/cherrybark Oak - Sweetgum</p>	<p>S4</p>
<p>CA131D0000</p> <p style="text-align: center;">Oak - cedar forest (blackbelt hills and bluffs)</p> <p><i>Quercus muehlenbergii</i> - <i>Juniperus virginiana</i> - mixed deciduous Chinkapin - Eastern Redcedar - Mixed Deciduous</p>	<p>S3</p>	<p>CA134DP000</p> <p style="text-align: center;">Dry-mesic pine forest</p> <p><i>Pinus echinata</i> - <i>Pinus taeda</i> - <i>Cornus</i> - <i>Toxicodendron radicans</i> - <i>Chasmanthium sessiliflora</i> Shortleaf/loblolly Pine - Flowering Dogwood - Poison Ivy - Woodrats</p>	<p>S4</p>
<p>CA133DH000</p> <p style="text-align: center;">Dry - upper slope oak forest</p> <p><i>Quercus stellata</i> - <i>Quercus (falcata, marilandica, alba)</i> - <i>Carya (pallida, tomentosa)</i> - <i>Liquidambar styraciflua</i> Post Oak - Southern Red/blackjack/white Oak - Sand/mockernut Hickory - Sweetgum</p>	<p>S2</p>	<p>CA135D0000</p> <p style="text-align: center;">Turkey oak - sand post oak woodland</p> <p><i>Quercus laevis</i> - <i>Quercus margarettiae</i> - <i>Pityopsis graminifolia</i> - <i>Gymnopogon ambiguus</i> - <i>Aristida condensata</i> - <i>Stylisma patens</i> Turkey Oak - Sand Post Oak - Narrowleaf Silkgrass - Bearded Skeletongrass - Threeawn - Dawnflower</p>	<p>S2</p>
<p>CA133DM000</p> <p style="text-align: center;">Dry - upper slope pine - oak forest</p> <p><i>Pinus echinata/taeda</i> - <i>Quercus sp.</i> - <i>Carya sp.</i> - mixed arborescent Shortleaf/loblolly Pine - Other Oak and Hickories - Mixed Arborescent</p>	<p>S4</p>	<p>CA136DH000</p> <p style="text-align: center;">Dry oak - hickory forest/woodland</p> <p><i>Quercus (stellata, marilandica, falcata)</i> - <i>Carya (pallida, alba)</i> Post/blackjack/southern Red Oak - Sand/mockernut Hickory</p>	<p>S2</p>
<p>CA133DP000</p> <p style="text-align: center;">Dry - upper slope shortleaf pine forest</p> <p><i>Pinus echinata</i> ShortleafPine</p>	<p>S2S3</p>	<p>CA136DM000</p> <p style="text-align: center;">Dry oak - hickory forest/woodland with pine</p> <p><i>Quercus (margarettiae, stellata, marilandica, falcata)</i> - <i>Carya (pallida, alba)</i> - <i>Pinus echinata</i> Sand Post/post/blackjack/southern Red - Sand/mockernut Hickory - Shortleaf/loblolly Pine</p>	<p>S2</p>
<p>CA134DH000</p> <p style="text-align: center;">Dry-mesic mixed oak forest</p> <p><i>Quercus alba</i> - <i>Quercus rubra</i> - <i>Carya (glabra, alba)</i> - <i>Liriodendron tulipifera</i> White Oak - Northern Red Oak - Pignut/mockernut Hickory - Tulip Poplar</p>	<p>S4</p>	<p>CA141D0000</p> <p style="text-align: center;">Longleaf pine - saw palmetto woodland</p> <p><i>Pinus palustris</i> - <i>Serenoa repens</i> Longleaf Pine - Saw Palmetto</p>	<p>S1</p>

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<p>CA142D0000 SNA(P)</p> <p style="text-align: center;">Dry longleaf pine forest</p> <p>Longleaf Pine - Little Bluestem - Tall Ironweed - Narrowleaf Silkgrass</p>		<p>CB191D0000 S1</p> <p style="text-align: center;">Blackbelt prairie (chalk bluffs)</p> <p><i>Schizachyrium scoparium</i> - <i>Sorghastrum nutans</i> - <i>Solidago nemoralis</i> - <i>Silphium terebinthina ceum</i> - <i>Ratibida pinata</i> Little Bluestem - Yellow Indiangrass - Goldenrod - Rosinweed - Prairie Coneflower</p>
<p>CA143D0000 S2</p> <p style="text-align: center;">Sandhill longleaf forest</p> <p><i>Pinus palustris longleaf</i>- <i>Serenoa repens</i> - <i>Calamintha coccinea</i> - <i>Quercus laevis</i> Longleaf Pine - Saw Palmetto - Scarlet Lamint - Turkey Oak</p>		<p>CB192D0000 S1</p> <p style="text-align: center;">Blackbelt prairie (vertisol)</p> <p><i>Andropogon gerardii</i> - <i>Sorghastrum nutans</i> - <i>Silphium terebinthaceum</i> - <i>Ratibida pinata</i> Big Bluestem - Yellow Indiangrass - Rosinweed - Prairie Coneflower</p>
<p>CA144D0000 S3</p> <p style="text-align: center;">Longleaf pine - blackjack oak forest</p> <p><i>Quercus marilandica</i> - <i>Quercus margaretiae</i> - <i>Quercus incana</i> - <i>Pinus palustris</i> - <i>Aristida</i> spp. Blackjack Oak - Sand Post Oak - Bluejack Oak - Longleaf Pine - Threeawn</p>		<p>CB193D0000 S1</p> <p style="text-align: center;">Jackson prairie</p> <p><i>Schizachyrium scoparium</i> - <i>Sorghastrum nutans</i> - <i>Dalea (purpurea, candida)</i> - <i>Silphium integrifolium</i> Little Bluestem - Yellow Indiangrass - Purple Prairie/w White Prairie Clover - Rosinweed</p>
<p>CA145D0000 SNA(P)</p> <p style="text-align: center;">Longleaf pine clay glade (savanna)</p> <p><i>Pinus palustris</i> - <i>Muhlenbergia capillaris</i> var. <i>trichopodes</i> - <i>Dichantheium longiligulatum</i> - <i>Bigelovia nudata</i> - <i>Aristida purpurascens</i> Longleaf Pine - Hairawn Muhly - Panicum - Rayless Goldenrod</p>		<p style="text-align: center;"><u>Mesic upland forests</u></p>
<p>CA146DM000 S1</p> <p style="text-align: center;">Longleaf pine clay savanna (blue muhly)</p> <p><i>Pinus palustris</i> - <i>Muhlenbergia capillaris</i> var. <i>trichopodes</i> - <i>Dichantheium longiligulatum</i> - <i>Bigelovia nudata</i> - <i>Aristida purpurascens</i> Longleaf Pine - Hairy Muhly - Panicum - Rayless Goldenrod - Arrowfeather Threeawn</p>		<p>CC121M0000 S1</p> <p style="text-align: center;">Mesic calcareous bluff forest</p> <p><i>Quercus alba shumardii</i> - <i>Fraxinus americana</i> - <i>Lithospermum tuberosum</i> - <i>Agrimonia pubescens</i> White/shumard's Oak - White Ash - Tuberosus Gromwell - Soft Agrimony</p>
<p style="text-align: center;"><u>Sub-mesic - mesic prairie/glade/barrens</u></p>		<p>CC122M0000 S2</p> <p style="text-align: center;">Coastal plain loess forest</p> <p><i>Quercus pagoda/alba</i> - <i>Fraxinus americana</i> - <i>Acer barbatum</i> - <i>Lindera benzoin</i> Cherrybark/white Oak - White Ash - Florida Maple - Northern Spicebush</p>
<p>CB181D0000 S3</p> <p style="text-align: center;">Cedar glades/barrens (chalk bluffs)</p> <p><i>Juniperus virginiana</i> - <i>Panicum virgatum</i> - <i>Sorghastrum nutans</i> Eastern Redcedar - Switchgrass - Yellow Indiangrass</p>		<p>CC123M0000 S3</p> <p style="text-align: center;">Mesic-lowland hardwood forest</p> <p><i>Quercus (pagoda, michauxii, phellos, nigra)</i> - <i>Carpinus caroliniana</i> - <i>Carya (cordiformis, glabra, ovata)</i> Cherrybark/swamp Chestnut/willow/water Oak - Ironwood - Bitternut/pignut/shagbark Hickory</p>
<p>CB183MS000 S2S3</p> <p style="text-align: center;">Sclerophyllous scrub - shrub</p> <p><i>Ilex vomitoria</i> - <i>Myrica cerifera</i> - <i>Persia palustris</i> Yaupon - Southern Bayberry - Longleaf Pine</p>		<p>CC125M0000 S1</p> <p style="text-align: center;">Beech - magnolia forest</p> <p><i>Fagus grandifolia</i> - <i>Magnolia (grandiflora, macrophylla)</i> - <i>Liriodendron tulipifera</i> - <i>Hamamelis virginiana</i> - <i>Phegopteris hexagonoptera</i> American Beech - Southern/bigleaf Magnolia - Tuliptree - Witchhazel - Broad Beechfern</p>
<p>CB184M0000 S4</p> <p style="text-align: center;">Native vineland</p> <p><i>Smilax</i> sp. - <i>Campsis radicans</i> - <i>Ampelopsis arborea</i> - <i>Brunichia ovata</i> Greenbriar - Trumpet Creeper - Peppervine - American Buckwheat Vine</p>		

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CC131MH 000 **S4**
Lower slope mixed hardwood forest
Quercus (alba, nigra, pagoda) - mixed deciduous
 White/water/cherrybark - Mixed Deciduous

CC131MM 000 **S4**
Lower slope mixed hardwood - pine forest
Quercus (alba, michauxii, nigra) - mixed deciduous - Pinus (taeda, glabra)
 White/swamp Chestnut/water Oak - Mixed Deciduous - Loblolly/spruce Pine

CC131MP000 **S4**
Lower slope pine forest
Pinus taeda - Chasm anthium sessiliflora
 Loblolly Pine - W oodoats

CC133M0000 **S3**
Mixed hardwoods forest - pinus glabra
Quercus laurifolia, nigra - Pinus glabra
 Laurel/water Oak - Spruce Pine

CC141M0000 **S3**
Loamy hills longleaf pine forest
Pinus palustris - Pinus elliotii - Schizachyrium scoparium - Schizachyrium tenerum - Rhexia alifanus
 Longleaf/slash Pine - Little/sle nder B luestem - M eadow beauty

Mesic palustrine forests

CD222M0000 **S1**
Forested canebrake
Open mixed deciduous - Arundinaria gigantea
 Mixed Deciduous Open - Giant Cane

CD223M0000 **S3**
Oak - mixed hardwood ridge bottom forest
Quercus (nigra pagoda, alba) - Carya cordiformis - Asimina trilobata
 Water/cherrybark/white Oak - Bitternut Hickory - Pawpaw

CD231M0000 **S3**
Bottomland hardwood - pine forest
Quercus (laurifolia, phellos, nigra) - Pinus taeda
 Laurel/willow/water Oak - Loblolly Pine

CD241M0000 **S3**
Longleaf pine savanna
Pinus palustris - mixed herbaceous
 Longleaf Pine - Mixed Herbaceous

CD242M0000 **S2**
Slash pine flatwoods/savanna with wiregrass
Pinus (elliottii, palustris) - Aristida beyrichiana
 Slash/longleaf Pine - Wiregrass

Riverfront forests/herbland

CE221W0000 **S3**
Black willow riverfront pioneer forest
Salix nigra
 Black Willow

CE222W0000 **S3**
Eastern cottonwood - willow riverfront pioneer forest
Populus deltoides - Salix nigra
 Eastern Cottonwood - Black Willow

CE223W0000 **S3**
River birch - sycamore riverfront forest
Betula nigra - Platanus occidentalis
 River Birch - Sycamore

CE224W0000 **S4**
Silver maple - mixed floodplain forest
Acer saccharinum - mixed bottomland hardwood forest
 Silver Maple - Mixed Bottomland Hardwood Forest

CE291D0000 **S1**
Mississippi river sandfield mixed herbland
Bromus sp. - Vulpia octoflora - Opuntia humifusa
 Annual Brome - Sixweeks Fescue - Pricklypear

Wet palustrine forests

CF221M0000 **S3**
Clay - clay loam flat hardwood bottom forest
Quercus texana - Ulmus americana - Carya illinoensis
 Nuttall Oak - American Elm - Wild Pecan

CF222M0000 **S4**
Sugarberry - american elm - green ash bottomland forest
Celtis laevigata - Ulmus americana - Fraxinus pennsylvanica
 Sugarberry - American Elm - Green Ash

CF223M0000 **S2**
Sweetgum - mixed oak bottomland forest
Liquidambar styraciflua - Ulmus americana - Quercus (michauxii, alba, pagoda)
 Sweetgum - American Elm - Swamp Chestnut/white/cherrybark Oak

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CF224W0000 S3

Wet hardwood bottom forest

Quercus lyrata - Carya aquatica
Overcup Oak - Water Hickory

CF225W0000 S3

Diamondleaf oak - willow oak - water oak forest

Quercus laurifolia, phellos, nigra
Laurel/willow/water Oak

CF226W0000 S3

Bayhead forest

Nyssa biflora - Magnolia virginiana - Acer rubrum
Swamp Tupelo - Sweetbay - Red Maple

CF241W0000 S2

Wet slash (longleaf) pine savanna/forest/flatwoods

Pinus (palustris, elliottii) - Ctenium aromaticum - Andropogon sp. - Cyrilla racemiflora - Arundinaria gigantea
Longleaf/slash Pine - Swamp Titi - Giant Cane

CF261W0000 S2

Wet pine - pond cypress savanna

Taxodium ascendens - Pinus elliottii - Woodwardia virginica
Pondcypress - Slash Pine - Virginia Chainfern

CF262W0000 S2

Wet pond cypress depression

Taxodium ascendens - Saururus cernuus - Cladium mariscus spp. jamaicense
Pondcypress - Lizardtail - Sawgrass

Springs, seepage slopes/cliffs

CG241W0000 S2

Pine seepage slope

Pinus palustris, elliottii - Sarracenia alata - Stokesia laevis
Slash/longleaf Pine - Yellow Trumpets - Stokes' Aster

CG281W0000 S3

Wooded seep/spring seep/wet terrace

Alnus serrulata - Itea virginica - Magnolia (virginiana, macrophylla) - ferns: Osmunda (regalis, cinnamomea), Woodwardia areolata, Athyrium filix-femina
Hazel Alder - Sweetspire - Sweetbay/big Leaf Magnolia - Ferns: Royal/cinna mon/chain fern/ladyfern

CG291W0000 S1

Wet calcareous cliffs

Heuchera (americana, villosa) - Impatiens capensis
American/hairy Alumroot - Jewelweed

Shrub wetlands, pocosin, herb bogs

CH281W0000 S4

Buttonbush - swamp privet shrub wetland

Cephalanthus occidentalis - Forestiera acuminata - Itea virginica
Common Buttonbush - Swamp Privet - Virginia Sweetspire

CH284W0000 S2

Shrub bog

Cyrillara cemiflora - Cliftonia monophylla - Myrica heterophylla
Swamp Titi - Buckheat Tree - Evergreen Bayberry

CH284W2000 S4

Titi shrub thicket

Cyrillara cemiflora - Cliftonia monophylla
Swamp Titi - Buckwheat Tree

CH291W0000 S2

Pitcher plant flat/bog/wet savanna

Sarracenia (alata, psittacina) - Rhyssolopis sp. - Stokesia laevis - Lophiola aurea - Eriocaulon compressum
Yellow Trumpets/parrot Pitcherplant - Beak sedge - Stokes' Aster - Goldenrest - Flat Pipewort

CH292W0000 S1

Quaking bog

Lindera subcoriacea - Carex exilis - Sphagnum sp.
Bog Spicebush - Coastal Sedge - Sphagnum

Inland freshwater marshes

CI291W0000 S3

Freshwater marsh

Juncus sp. - Scirpus sp. - Cyperus sp. - Penthorum sedoides - Saururus cernuus
Rush - Bullrush - Ditch Stonecrop - Lizard's Tail

CI293I0000 S1

White waterlily - jointed spikesedge herbaceous vegetation

Nymphoides odorata - Eleocharis equisetoides - Sagittaria lancifolia
White Water Lily - Jointed Spikesedge - Bulltongue Arrowhead

CI294W0000 S5

Semipermanently flooded marsh

Hydrolea uniflora - Alternanthera philoxeroides - Polygonum densiflorum
Oneflower False Fiddleleaf - Alligatorweed - Denseflower Knotweed

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Swamp forests

CJ221S0000 **S2**

Bay swamp forest

Taxodium ascendens - Nyssa biflora - Magnolia virginiana - Acer rubrum
Pond Cypress - Swamp Tupelo - Sweetbay - Red Maple

CJ222S0000 **S3**

Tupelo swamp

Nyssa aquatica
Water Tupelo

CJ251S0000 **S3**

Bald cypress - black gum swamp

Taxodium (distichum, ascendens) - Nyssa biflora
Bald/pond Cypress - Swamp Blackgum

CJ252S0000 **S3**

Bald cypress - hardwood swamp forest

Taxodium distichum - Carya aquatica - Quercus lyrata - Planera aquatica - Salix nigra
Baldcypress - Water Hickory - Overcup Oak - Planertree - Willow

CJ253S0000 **S3**

Bald cypress - water tupelo swamp

Taxodium distichum - Nyssa aquatica
Baldcypress - Water Tupelo

CJ254S0000 **S3**

Coastal plain small stream swamp forest

Magnolia virginiana - Acer rubrum - Nyssa biflora - Pinus elliotii
Sweetbay Magnolia - Red Maple - Swamp Blackgum - Slash Pine

CJ255S0000 **S2**

Grady pond swamp forest

Taxodium distichum, ascendens - Magnolia virginiana - Nyssa biflora
Bald/pond Cypress - Sweetbay Magnolia - Swamp Blackgum

CJ256S0000 **S1**

White cedar swamp forest

Chamaecyparis thyoides
Atlantic Whitecedar

CJ261S0000 **S3**

Bald cypress swamp

Taxodium distichum
Baldcypress

Lacustrine Communities

CK301L0000 **S3**

Floodplain pool

Open water/barren substrate supporting aquatic organisms; sparse vegetation attached to substrate
Open Water/barren Substrate Supporting Aquatic Organisms

CK302L0000 **S1**

Pond (natural)

Open water/barren substrate supporting aquatic organisms; sparse vegetation attached to substrate
Open Water/barren Substrate Supporting Aquatic Organisms

CK303L0000 **S5**

Constructed pond

Juncus sp. - Cyperus sp. - Polygonum sp. (shorelines)
Rushes - Flat Sedges - Smartweeds (Shorelines)

Rivers & Riverine Communities

CL401R0000 **S4**

Soapstone(substrate)

Open water/barren substrate supporting aquatic organisms; very sparse vegetation
Open Water/barren Substrate Supporting Aquatic Organisms

CL402RE000 **S2**

Sand bar (exposed)

Poaceae - Carex sp. - Salix exigua
Graminoids - Sandbar Willow

CL402RS000 **S2**

Sand bar (substrate)

Poaceae - Carex sp. - Salix exigua
Graminoids - Sandbar Willow

CL403R0000 **S2**

Gravel bar (substrate)

Open water/barren substrate supporting aquatic organisms; sparse vegetation attached to substrate
Open Water/barren Substrate Supporting Aquatic Organisms

CL404R0000 **S4**

Clay riffle

Open water/barren substrate supporting aquatic organisms; sparse vegetation attached to substrate
Open Water/barren Substrate Supporting Aquatic Organisms

CL405R0000 **S3**

Rock riffle

Open water/barren substrate supporting aquatic organisms; sparse vegetation attached to substrate
Open Water/barren Substrate Supporting Aquatic Organisms

ECOLOGICAL COMMUNITIES OF MISSISSIPPI

<p>CL406R0000</p> <p align="center">Alluvial creek/river</p> <p><i>Fish, herpiles, ducks, gulls and other birds</i> Fish, Herpiles, Ducks, Gulls and Other Birds</p>	<p>S3</p>	<p>CN520M0000</p> <p align="center">Estuarine shrublands</p> <p><i>Baccharis halimifolia - Myrica cerifera - Iva frutescens</i> Eastern Baccharis - Southern Bayberry - Bigleaf Sumpweed</p>	<p>S3</p>
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<p>CL407R0000</p> <p align="center">Blackwater creek/river</p> <p><i>Fish, herpiles, ducks, gulls and other birds</i> Fish, Herpiles, Ducks, Gulls and Other Birds</p>	<p>S3</p>	<p>CN521M0000</p> <p align="center">Shell midden shrub/woodland</p> <p><i>Juniperus virginiana var. silicicola - Sideroxylon lanuginosum</i> Southern Redcedar - False Buckthorn</p>	<p>S1</p>
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<p>CL408R0000</p> <p align="center">Clearwater stream</p> <p><i>Open water/barren substrate supporting aquatic organisms; sparse vegetation attached to substrate</i> Open Water/barren Substrate Supporting Aquatic Organisms</p>	<p>S3</p>	<p>CN521MSMSW</p> <p align="center">Shell midden shrub/woodland</p> <p>Temperate ShellMidden Woodland</p>	<p>S1</p>
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<p>CL501R0000</p> <p align="center">Freshwater mussel bed</p> <p><i>Lampsilis sp. - Quadrula sp. - Obovaria sp. - Pleurobema sp.</i> Freshwater Mussel Beds</p>	<p>S1</p>	<p>CN551S0000</p> <p align="center">Freshwater tidal bald cypress - tupelo swamp</p> <p><i>Taxodium distichum - mixed arborescent</i> Baldcypress - Mixed Arborescent</p>	<p>S3</p>
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Upland Maritime Communities

<p>CM521M0000</p> <p align="center">Maritime live oak forest</p> <p><i>Quercus virginiana - Quercus hemisphaerica</i> Live Oak - Upland Laurel Oak</p>	<p>S1</p>
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<p>CM541M0000</p> <p align="center">Barrier island slash pine woodland</p> <p><i>Pinus elliotii - Quercus geminata</i> Slash Pine - Sand Live Oak</p>	<p>S2</p>
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<p>CM581D0000</p> <p align="center">Barrier island relic dune shrubland/scrub oak</p> <p><i>Ceratiola ericoides - Chrysoma pauciflosculosa - Helianthemum arenicola</i> Rosemary - Woody Goldenrod - Coastal sand Frostweed</p>	<p>S2</p>
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<p>CM591D0000</p> <p align="center">Barrier island beach dune herbland</p> <p><i>Uniola paniculata - Ipomoea stolonifera - Heterotheca subaxillaris</i> Sea oats - Saltmarsh Morningglory - Camphorweed</p>	<p>S2</p>
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Estuarine Fringe Wetlands

<p>CN243W0000</p> <p align="center">Maritime slash pine flatwoods/savanna</p> <p><i>Pinus elliotii - Spartina patens - Andropogon glomeratus var. glaucopsis</i> Slash Pine - Saltmeadow Cordgrass - Purple Bluestem</p>	<p>S1</p>
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<p>CN591W0000</p> <p align="center">Barrier island mesic/dry meadows</p> <p><i>Fuirena scirpoidea - Dichanthelium sabulorum var. patulum - Euthamia leptoccephala</i> Southern Umbrellasedge - Hemlock Rosette Grass - Bushy Goldentop</p>	<p>S2</p>
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Intertidal Estuarine Communities

<p>CO602I0000</p> <p align="center">Unvegetated sand shore</p> <p><i>Lepidactylus sp. - Paraonis fulgens - Emerita talpoida - Mala clemys terrapin</i> Amphipod - Polychaete - Mole Crab - Diamond Back Terrapin</p>	<p>S1</p>
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<p>CO603I0000</p> <p align="center">Unvegetated mud shore</p> <p><i>Uca minax - Sesarma reticulatum - Littoridinops palustris - Tagelus plebeius</i> Gulf Mud Fiddler - Purple Marsh Crab - Hydrobiid - Stout Razor Clam</p>	<p>S3</p>
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<p>CO691I0000</p> <p align="center">Tidal freshwater marsh/wet coastal prairie</p> <p><i>Sagittaria lancifolia - Panicum virgatum - Rhynchospora corniculata - Eleocharis obtusa, tuberculosa, quadrangulata - Schoenoplectus tubernaemontani</i> bulltongue arrowhead - switchgrass - shortbristle beaksedge - spikerush - softstem bulrush</p>	<p>S3</p>
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<p>CO692I0000</p> <p align="center">Intermediate marsh</p> <p><i>Cladium mariscus ssp. jamaicense</i> Sawgrass</p>	<p>S3</p>
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CO693I0000 S3

Brackish marsh

Juncus roemerianus - *Spartina cynosuroides*
Black Needlegrass Rush - Big Cordgrass

CO694I0000 S3

Irregularly flooded saline marsh

Juncus roemerianus - *Distichlis spicata*
Black Needlegrass Rush - Inland Saltgrass

CO695I0000 S3

Salt flat (incl. salt panne)

Salicornia virginiana - *Distichlis spicata* - *Salicornia bigelovii* -
Suaeda linearis
Virginia Glasswort - Inland Saltgrass - Glasswort - Annual
Seepweed

CO696I0000 S2

Frequently flooded saline marsh

Spartina alterniflora
Smooth Cord grass

CO697W0000 S2

**Saltmeadow cordgrass herbaceous coastlands
(high marsh)**

Spartina patens - *Panicum virgatum* - *Baccharis halimifolia*
Saltmarsh Cordgrass - Switchgrass - Groundsel Tree

Submerged Aquatic Vegetation Beds

CP691U0000 S1

American wildcelery bed

Vallisneria americana
American Eelgrass (Tapegrass)

CP692U0000 S2

Widgeon grass bed

Ruppia maritima
Widgeongrass

CP693U0000 S1

Barrier island seagrass bed

Thalassia testudina - *Halophila engelmannii* - *Cymodocea*
filiformis
Turtlegrass - Engelmann's Seagrass - Manateeegrass

CP694U0000 S1

Barrier island macroscopic algae bed

Gracilaria foliifera - *Agardhiella tenera* - *Spyridia filamentosa*
Marine Red Macro-algae - Red Seaweed

Mollusk Reef

CO601U0000 S3

Mollusk reef

Crassostrea virginica
Oyster

**Estuarine Embayments, Lakes, Ponds,
Tidal Channels**

CR601U0000 S3

Tidal creek

Geukensia demissa - *Melampus bidentatus* - *Butorides virescens* -
Fundulus jenkinsi
Ribbed Mussel - Eastern Melampus - Green Heron - Saltmarsh
Topminnow

CR602U0000 S3

Tidal river channel - mixed-fine bottom

Acipenser oxyrinchus - and: polychaetes, clams, crustaceans,
waterfowl, shorebirds; open water/barren substrate supporting
aquatic organisms; sparse vegetation attached to substrate
Desotoi Gulf Sturgeon - and: Polychaetes, Clams, Crustaceans,
Waterfowl, Shorebirds

CR603U0000 S3

Tidal river channel - sand bottom

Refer to the Tidal River Channel - Mixed-fine Bottom Community;
open water/barren substrate supporting aquatic organisms; sparse
vegetation attached to substrate
Refer to the Tidal River Channel - Mixed-fine Bottom Community

CR604U0000 S3

Barrier island pond/lagoon

Cyprinodon spp. - *Poecilia* spp.
Killifish - Poeciliids

CR605U0000 S3

Mainland coast pond/lake

Callinectes sapidus - *Hobsonia florida* - *Littoridinops palustris* -
Texadina sphinctostoma
Common Blue Crab - Ampharetid - Hydrobiid - Narrowmouth
Hydrobiid

CR606U0000 S3

Embayment - mud bottom

Cyathura polita - *Cradidierella bonnieroides* - *Rhithropanopeus*
harrisii - *Rangia cuneata* - other estuarine organisms including
polychaetes, clams, crustaceans, and snails
Anthurid - Amphipod - Harris's Mud Crab - Atlantic Rangia -
Other Estuarine Organisms Including Polychaetes, Clams,
Crustaceans, and Snails

ECOLOGICAL COMMUNITIES OF MISSISSIPPI

Mississippi Sound Unconsolidated Bottom Communities

CS602U0000 S4

Mississippi sound - nearshore mud bottom

Corophium louisianum - Uca spp. - Penaeus aztecus , and other estuarine organisms: polychaetes, clams, crustaceans, snails, echinoderms and fishes.

A Gammaridean - Brown Shrimp - Other Estuarine Organisms: Polychaetes, Clams, Crustaceans, Snails, Echinoderms and Fishes

CS603U0000 S4

Mississippi sound - nearshore mixed-fine bottom

Scoloplos fragilis - Heleobops - Bowmaniella spp. - Macoma mitchelli

Orbinüda - Heleobops - Mysid - Mitchell Macoma

CS604U0000 S4

Mississippi sound - nearshore sand bottom

Lepida ctylus sp. - Emerita talpoida - Malaclemys terrapin

Amphipod - Mole Crab - Diamond Back Terrapin

CS605U0000 S4

Mississippi sound - offshore mud bottom

Paradialia americana, Ogyrides alphaerostris, Anadara ovalis , Cantharus cancellarus , Nassarius acutus , Urophycis floridana , and cumaceans, snails, sipunculids, echinoderms, nemerteans

Polychaete - Crustacean - Blood Ark - Cantharus - Nassa - Hake - and Cumaceans, Snails, Sipunculids, Echinoderms, Nemerteans

CS606U0000 S4

Mississippi sound - offshore mixed-fine bottom

Hemipholis elongata - Micropholis atra - Phascolion strombi - Nuculana concentrica

Ophiuroid - Echinoderm - Sipunculid - Concentric Nutclam

CS607U0000 S4

Mississippi sound - offshore sand bottom

Brachiostoma caribaeum - Armandia maculata - Acanthohaus torius sp. - Spiophanes boobyx - Crassinella lunulata - and: polychaetes, archiannelids, cephalochordates.

Lancelet - Polychaete - Amphipod - Polychaete - Crassinella - and Others: Polychaetes, Archiannelids, Cephalochordates

CS608U0000 S4

Tidal pass

Brachiostoma caribaeum - Armandia maculata - Crassinella lunulata

Lancelet - Polychaete - Lunate Crassinella

Marine Intertidal Communities

CT701I0000 S4

Barrier island sand shore (gulf-side)

Emerita talpoida - Donax variabilis - Scolelepis squamata - Haustorius sp. - Ocypode quadrata - and: clams, snails, and birds.

Mole Crab - Variable Coquina - Polychaete - Burrowing Amphipod - Ghost Crab - and Other Marine Organisms: Clams, Snails, and Birds

Marine Subtidal Unconsolidated Bottom Communities

CU701U0000 S4

Gulf of mexico - nearshore mud bottom

Olivella mutica - Abra lioica - Luidia clathrata - Bowmaniella floridana - Ancinus depressus - Strongylura timucu - and: polychaetes, cumaceans, amphipods, isopods, clams, surf fish.

Variable Dwarf Olive - Smooth Abra - Starfish - Mysid - Isopod - Timucu - and Polychaetes, Cumaceans, Amphipods, Isopods, Clams, Surf Fish

CU703U0000 S4

Gulf of mexico - offshore mud bottom

Nuculana concentrica - Hemipholis elongata - Oxyurostylis smithi - Myriochele oculata - Renilla mulleri - and mollusks, polychaetes, decapods, and echinoderms.

Concentric Nutclam - Echinoderm - Cumacean - Polychaete - Sea Pansy - and Mollusks, Polychaetes, Decapods, and Echinoderms

CU704U0000 S4

Gulf of mexico - offshore mixed-fine bottom

Photismacromanus - Nereis micromma - Aglaphomus verrilli - and other marine organisms: mollusks, polychaetes, decapods, and echinoderms.

Amphipod - Polychaete - Polychaete - and Other Marine Organisms: Mollusks, Polychaetes, Decapods, and Echinoderms

CU705U0000 S4

Gulf of mexico - offshore sand bottom

Brachiostoma caribaeum - Aspidosiphon albus - Brannia wellfleetensis - and other marine organisms: mollusks, polychaetes, decapods, and echinoderms.

Lancelet - Sipunculid - Polychaete - and Other Marine Organisms: Mollusks, Polychaetes, Decapods, and Echinoderms

CV702U0000 S3

Gulf of mexico - offshore reef & interfeef

Antipathes sp. - Gorgonian - Holanthias sp. - and: ellisellid sea whips, comatulid crinoids, upright sponges, ahermatypic corals, basket stars, and primary reef fish

Black Coral - Sea Fans - Encrusting and Upright Sponges - Roughtongue Bass - and: Ellisellid Sea Whips, Comatulid Crinoids, Upright Sponges, Ahermatypic Corals, Basket Stars, and Primary Reef Fish

ECOLOGICAL COMMUNITIES OF MISSISSIPPI

State

Rank Description

- SX Presumed Extinct -- Element is believed to be extirpated from the "state" (or province or other subnational unit).
- SH Possibly Extinct -- Element occurred historically in the state (with expectation that it may be rediscovered), perhaps having not been verified in the past 20 years, and suspected to be still extant.
- SU Unrankable -- Currently unrankable due to lack of information or due to substantially conflicting information about status or trends.
- SNR Not Ranked -- Rank not yet assessed.
- SNA Not Applicable -- A conservation status rank is not applicable because the Element is not a suitable target of conservation activities. Includes exotic species "(E)" or "(E#)", potential species with no extant or historic occurrences reported "(P)", reported species without a basis for accepting or rejecting the report "(R)", and species reported falsely "(RF)" in the state.
- S1 Critically imperiled in the state because of extreme rarity or because of some factor(s) making it especially vulnerable to extirpation from the state. Typically 5 or fewer occurrences or very few remaining individuals or acres.
- S2 Imperiled - Imperiled in the state because of rarity or because of some factor(s) making it very vulnerable to extirpation from the state. Typically 6 to 20 occurrences or few remaining individuals or acres.
- S3 Vulnerable - Vulnerable in the state either because rare and uncommon, or found only in a restricted range (even if abundant at some locations), or because of other factors making it vulnerable to extirpation.
- S4 Apparently Secure - Uncommon but not rare, and usually widespread in the state. Usually more than 100 occurrences.
- S5 Secure - Demonstrably widespread, abundant, and secure in the state, and essentially ineradicable under present conditions.
- S#S# Range Rank - A numeric range rank (e.g., S2S3) is used to indicate the range of uncertainty about the exact status of the Element. Ranges cannot skip more than one rank (e.g., SU should be used rather than S1S4).

Cite the list as:

Mississippi Natural Heritage Program, 2006. Ecological Communities of Mississippi. Museum of Natural Science, Mississippi Dept. of Wildlife, Fisheries and Parks, Jackson, MS. 9 pp.