

Vitis rotundifolia - Ampelopsis arborea - Campsis radicans Vine-Shrubland

COMMON NAME	Muscadine - Peppervine - Trumpetvine Vine-Shrubland
SYNONYM	
PHYSIOGNOMIC CLASS	Shrubland (III.)
PHYSIOGNOMIC SUBCLASS	Deciduous shrubland (III.B.)
PHYSIOGNOMIC GROUP	Cold-deciduous shrubland (III.B.2.)
PHYSIOGNOMIC SUBGROUP	Natural/Semi-natural (III.B.2.N.)
FORMATION	Seasonally flooded cold-deciduous shrubland (III.B.2.N.e.)
ALLIANCE	<i>Vitis rotundifolia - Ampelopsis arborea - Campsis radicans</i> Seasonally Flooded Vine-Shrubland Alliance

CLASSIFICATION CONFIDENCE LEVEL 1

USFWS WETLAND SYSTEM Palustrine

RANGE

Globally

Vitis rotundifolia - Ampelopsis arborea - Campsis radicans Vine-Shrubland potentially is widespread and occurs throughout the Atlantic and Gulf Coastal Plains and in the Mississippi River Alluvial Plain.

Congaree Swamp National Monument

This shrubland type likely occurs throughout the park.

ENVIRONMENTAL DESCRIPTION

Globally

Vitis rotundifolia - Ampelopsis arborea - Campsis radicans Vine-Shrubland develops following clearcut logging, blowdowns, and possibly other disturbance in wetlands.

Congaree Swamp National Monument

Vitis rotundifolia - Ampelopsis arborea - Campsis radicans Vine-Shrubland develops on seasonally and temporarily flooded sites where the canopy and subcanopy layers have been removed by disturbance. On the Monument, this disturbance is primarily wind, and many occurrences of this community likely date from Hurricane Hugo (September 1989).

MOST ABUNDANT SPECIES

Globally

Stratum

Vine / liana

Species

Ampelopsis arborea, Campsis radicans, Toxicodendron radicans, Vitis rotundifolia

Congaree Swamp National Monument

Stratum

Shrub

Species

Asimina triloba, Arundinaria gigantea, Ilex decidua, Ilex opaca, Sambucus canadensis, Rubus sp.

Vine/liana

Toxicodendron radicans, Vitis rotundifolia, Parthenocissus quinquefolia, Bignonia capreolata, Smilax rotundifolia, Berchemia scandens

USGS-NPS Vegetation Mapping Program
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DIAGNOSTIC SPECIES

Globally

Toxicodendron radicans, *Vitis rotundifolia*, *Parthenocissus quinquefolia*, *Bignonia capreolata*, *Smilax rotundifolia*,
Berchemia scandens

Congaree Swamp National Monument

Toxicodendron radicans, *Vitis rotundifolia*, *Parthenocissus quinquefolia*, *Bignonia capreolata*, *Smilax rotundifolia*,
Berchemia scandens

VEGETATION DESCRIPTION

Globally

Vitis rotundifolia - *Ampelopsis arborea* - *Campsis radicans* Vine-Shrubland is vine-dominated vegetation dominated by the nominal species. Other species that may be present include *Polygonum* spp., *Cyperus* spp., *Toxicodendron radicans* ssp. *radicans*, *Salix* spp., and *Myrica cerifera*.

Congaree Swamp National Monument

Vitis rotundifolia - *Ampelopsis arborea* - *Campsis radicans* Vine-Shrubland is vine-dominated vegetation dominated by the nominal species. Other species that are present in the vine/liana stratum include *Parthenocissus quinquefolia*, *Bignonia capreolata*, *Smilax rotundifolia*, *Berchemia scandens*, and likely others. There may exist a limited canopy of *Liquidambar styraciflua*, *Ulmus americana*, *Quercus* spp., *Celtis laevigata*, and others. Often the weight of the vine coverage will break the stems of woody species before they attain five meters in height. A limited shrub stratum that contains canopy species as well as *Arundinaria gigantea*, *Ilex decidua*, *Lindera benzoin*, and others may be present. *Carex abscondita*, *Arisaema dracontium*, *Eupatorium capillifolium*, *Boehmeria cylindrica*, *Cryptotaenia canadensis*, *Carex retroflexa*, *Carex lupulina*, and other species are present in the sparse herbaceous layer.

OTHER NOTEWORTHY SPECIES

The exotic vine *Lonicera japonica*, the exotic shrub *Ligustrum sinense*, and the exotic herb *Murdania keisak*, may be present in occurrences of this vine-shrubland.

CONSERVATION RANK GM

RANK JUSTIFICATION

This vegetation has been so severely modified by wind damage that it is not possible to rank it as a "natural" vegetation type. This vegetation likely is readily restorable by time or management.

DATABASE CODE CEGL004620

COMMENTS

REFERENCES