

Swamp White Oak Woodland

Site Characteristics: Stands occur on silt loam soils formed over glacial till or loess. This savanna-like community is found on silt loam soils over glacial till or loess.

Vegetation Characteristics: This community has an open tree canopy dominated by Swamp White Oak with Bur Oak sparse to codominant. Post Oak, Northern Red Oak and White Oak may also be found, especially on the drier portions of this mesic to wet-mesic community.

Range:

Conservation Status: G1 - Critically Imperiled

Management Considerations: Historically, stands were more open than they are today. Fire was the natural disturbance, although decreased fire frequency has likely led to more dense canopies in current examples. Fires were part of the historic natural disturbance regime that kept these stands open

Iowa NRCS Plant Community Description

This community description is a compilation of the Community Association and its over-riding Community Alliance descriptions as provided by NatureServe (www.natureserve.org/explorer). Where necessary, community descriptions were adapted as recommended by Iowa plant community experts.

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SWAMP WHITE OAK WOODLAND SPEICES LIST						
SCIENTIFIC NAME	COMMON NAME	STRATA	FUNCTIONAL GROUP	IA CofC	SEEDS/LB	STATE STATUS
<i>Andropogon gerardii</i>	Big bluestem	Herbaceous Layer	P-GRASS, WARM SEASON	4	160000	
<i>Carex pensylvanica</i>	Pennsylvania oak sedge	Herbaceous Layer	P-SEDGE, COOL SEASON	6	480000	
<i>Ceanothus herbaceus</i>	Redroot	Shrub Layer	SUB-SHRUB	8	160000	
<i>Celtis occidentalis</i>	Hackberry	Canopy, Associate	TREE	2	96000	
<i>Cornus foemina</i>	Gray dogwood	Shrub Layer	SHRUB	1	17718	
<i>Corylus americana</i>	Hazelnut	Shrub Layer	SHRUB	3	480	
<i>Elymus virginicus</i>	Virginia wild rye	Herbaceous Layer	P-GRASS, COOL SEASON	3	67200	
<i>Laportea canadensis</i>	Wood nettle	Herbaceous Layer	P-FORB	3	185899	
<i>Platanus occidentalis</i>	Sycamore	Canopy, Associate	TREE	5	192000	
<i>Prunus</i> spp.	Plum	Shrub Layer				
<i>Quercus alba</i>	White oak	Canopy, Associate	TREE	6	128	
<i>Quercus bicolor</i>	Swamp white oak	Canopy, Dominant	TREE	8	112	
<i>Quercus macrocarpa</i>	Bur oak	Canopy, Co-dominant	TREE	4	64	
<i>Quercus rubra</i>	Northern red oak	Canopy, Associate	TREE	6	125	
<i>Quercus stellata</i>	Post oak	Canopy, Associate	TREE	4	380	
<i>Sorghastrum nutans</i>	Indian grass	Herbaceous Layer	P-GRASS, WARM SEASON	4	192000	
<i>Ulmus americana</i>	American elm	Canopy, Associate	TREE	2	68000	

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