

Bur Oak – Swamp White Oak Mixed Bottomland Forest

Site Characteristics: Stands are found in wet-mesic bottomland habitats. This community is restricted to river bottoms, low terraces, and low slopes along river floodplains on slackwater deposits with moderately well-drained to poorly drained soils.

Vegetation Characteristics: The tree canopy may be closed to moderately open. The dominant tree species include *Bur Oak* and *Swamp White Oak*. *Shellbark Hickory* is often found in stands of this alliance, along with species such as *Green Ash*, *Pecan*, *Cottonwood*, and *American Elm*. Understory species include *Bog Hemp*, *Sedge* spp., *Woodreed*, *Rice Cutgrass*, *Poison Ivy*, and *Sessile-leaved Bellwort*.

Range:

Conservation Status: G2 - Imperiled

Management Considerations: Vegetation in this community represents a moderately early successional stage. Historically this type may have had a woodland structure because of fire. This type has been so heavily impacted by settlement and grazing that characterization is often difficult.

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.

3/8/2010

BUR OAK - SWAMP WHITE OAK MIXED BOTTOMLAND FOREST						
SCIENTIFIC NAME	COMMON NAME		FUNCTIONAL GROUP	IA CofC	SEEDS PER LB	STATE STATUS
<i>Boehmeria cylindrica</i>	Bog hemp	Herbaceous Layer	P-FORB	5	325000	
<i>Carex</i> spp.	True Sedges	Herbaceous Layer, Dominant	SEDGE, COOL SEASON			
<i>Carya illinoensis</i>	Pecan	Canopy, Associate	TREE	7	96	
<i>Carya laciniosa</i>	Shellbark hickory	Canopy, Co-dominant	TREE	8	30	
<i>Cinna arundinacea</i>	Wood reed	Herbaceous Layer	P-GRASS, COOL SEASON	4	973374	
<i>Fraxinus pennsylvanica lanceolata</i> *	Green ash	Canopy, Associate	TREE	1	14320	
<i>Leersia oryzoides</i>	Rice cut-grass	Herbaceous Layer	P-GRASS, COOL SEASON	2	544000	
<i>Leersia</i> spp.	Cutgrass	Herbaceous Layer	P-GRASS, COOL SEASON			
<i>Leersia virginica</i>	Whitegrass	Herbaceous Layer	P-GRASS, COOL SEASON	6		
<i>Populus deltoides</i>	Cottonwood	Canopy, Associate	TREE	1	425000	
<i>Quercus bicolor</i>	Swamp white oak	Canopy, Dominant	TREE	8	112	
<i>Quercus macrocarpa</i>	Bur oak	Canopy, Dominant	TREE	4	64	
<i>Toxicodendron radicans</i>	Poison ivy	Vine Component	W-VINE	0	30442	
<i>Ulmus americana</i>	American elm	Canopy, Associate	TREE	2	68000	
<i>Uvularia sessilifolia</i>	Sessile-leaved bellwort	Herbaceous Layer	P-FORB	9		

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.

3/8/2010