

Populus deltoides Temporarily Flooded Woodland

COMMON NAME Eastern Cottonwood Woodland
SYNONYM
PHYSIOGNOMIC CLASS Woodland (II)
PHYSIOGNOMIC SUBCLASS Deciduous Woodland (II.B)
PHYSIOGNOMIC GROUP Cold-deciduous woodland (II.B.2)
PHYSIOGNOMIC SUBGROUP Natural/Semi-natural (II.B.2.N)
FORMATION Temporarily flooded cold deciduous woodland
ALLIANCE POPULUS DELTOIDES TEMPORARILY FLOODED WOODLAND ALLIANCE

CLASSIFICATION CONFIDENCE LEVEL

USFWS WETLAND SYSTEM Terrestrial

RANGE

Theodore Roosevelt National Park

This woodland is common along the floodplain of the Little Missouri River throughout Theodore Roosevelt NP.

Globally

ENVIRONMENTAL DESCRIPTION

Theodore Roosevelt National Park

Populus deltoides is the single dominant emergent species of the first and second terrace of the Little Missouri River floodplain. The soils are formed in alluvium on the floodplain and low terraces of the River.

Globally

MOST ABUNDANT SPECIES

Theodore Roosevelt National Park

<u>Stratum</u>	<u>Species</u>
Tree Canopy	<i>Populus deltoides</i> , <i>Juniperus scopulorum</i> , <i>Fraxinus pennsylvanica</i>
Short Shrub	<i>Symphoricarpos occidentalis</i> , <i>Prunus virginiana</i> ,
Herbaceous	<i>Poa pratensis</i> , <i>Bromus inermis</i>

Globally

CHARACTERISTIC SPECIES

Theodore Roosevelt National Park

Populus deltoides

Globally

VEGETATION DESCRIPTION

Theodore Roosevelt National Park

Large and mature *Populus deltoides* trees that form a distinctive emergent canopy characterize this woodland. Density of smaller *P. deltoides* trees and secondary tree species such as *Fraxinus pennsylvanica* and *Juniperus scopulorum* in the tree and tall shrub layer is low and sometimes even absent. The short shrub component is usually quite diverse with *Symphoricarpos occidentalis* common to infrequent. *Melilotus officinalis* and *Euphorbia esula* (in the South Unit) are common understory species. This alliance is closely associated with the *Artemisia cana* Temporarily Flood Shrubland Alliance, *Populus deltoides* / *Juniperus scopulorum* Woodland, and the *Populus deltoides* – *Salix amygdaloides* / *Salix exigua* Woodland.

Globally

OTHER NOTEWORTHY SPECIES