

FFn67 Northern Floodplain Forest Pollinator Resources

Deciduous riparian forests on sandy or silty alluvium on low, level, annually flooded sites along medium and large rivers in central and northern Minnesota. Characterized by pools and evidence of recent flooding, such as rows and piles of debris, ice scars on trees, and freshly deposited silt and sand.

Examples of insect pollinators (and their associated host plants in parentheses) that use FFn67 include:

Bees:

Macropis nuda (Lysimachia)

Andrena persimulata (Cornus [Swida])

Colletes americanus (Solidago)

Butterflies:

Aglais milberti (Laportea canadensis)

Tharsalea hyllus (Polygonum)

Euphyes dion (Carex)

Moths:

Papaipema furcata (Fraxinus pennsylvanica)

Ceratomia amyntor (Ulmus americana)

Macronoctua onusta (Iris versicolor)

Loscopia velata (Carex tenera)



Colletes americanus (American Cellophane Bee) uses *Solidago* (goldenrod) species as a host plant. Photo: Michael Veit

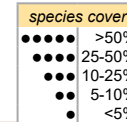


Tharsalea hyllus (bronze copper) uses *Polygonum* (knotweed, smartweed) species as a host plant. Photo: Bob Dunlap

FFn67 Northern Floodplain Forest

Pollinator Resources Table

FFn67 Class Factsheet. Based on 19 plots. November 2024



Forbs	species frequency in NPC (%)	species cover (when present)	Compatibility	Longevity	Clonality	Principal Pollen Vector	Pollinator requirements	Pollination Index
Wood nettle (<i>Laportea canadensis</i>)	74	●●●	UNK	Perennial	Present	wind	Generalist	0
Sensitive fern (<i>Onoclea sensibilis</i>)	58	●	SC	Perennial	Present	wind, water	Generalist	0
Mad dog skullcap (<i>Scutellaria lateriflora</i>)	53	●	SC	Perennial	Present	insects	Somewhat specific insect	3
Fringed loosestrife (<i>Lysimachia ciliata</i>)	47	●	SI	Perennial	Present	insects	Generalist	4
Northern blue flag (<i>Iris versicolor</i>)	42	●	SC and SI	Perennial	Present	insects	Somewhat specific insect	4
Side-flowering aster (<i>Aster lateriflorus</i>)	42	●	SI	Perennial	Present	insects	Generalist	4
Clearweed (<i>Pilea</i> spp.)	42	●●	sometimes D	Annual	Absent	wind	Generalist	0
Touch-me-not (<i>Impatiens</i> spp.)	37	●	SI/SC	Annual	Absent	insects	Somewhat specific insect	6
Dotted smartweed (<i>Polygonum punctatum</i>)	37	●●	UNK	Annual or perennial	Present	insects	Generalist	5
Bur marigold and Beggarticks (<i>Bidens</i> spp.)	37	●	Varies	Varies	Varies	insects	Generalist	Varies
Three-cleft bedstraw (<i>Galium trifidum</i>)	37	●	UNK	Perennial	Present	insects	Generalist	3
Common mint (<i>Mentha arvensis</i>)	32	●	SC	Perennial	Present	insects	Generalist	2
Water parsnip (<i>Sium suave</i>)	32	●	Pa	Perennial	Absent	insects	Generalist	5
Northern bugleweed (<i>Lycopus uniflorus</i>)	32	●	SC	Perennial	Weakly	insects	Generalist	2
Yellow loosestrife (<i>Lysimachia terrestris</i>)	32	●	SI	Perennial	Present	insects	Generalist	4
Tufted loosestrife (<i>Lysimachia thyrsoiflora</i>)	32	●●	SI	Perennial	Present	insects	Generalist	4
False nettle (<i>Boehmeria cylindrica</i>)	26	●●	D	Perennial	Present	wind	Generalist	0
Canada anemone (<i>Anemone canadensis</i>)	26	●	SI	Perennial	Present	insects	Generalist	4
Narrow-leaved hedge nettle (<i>Stachys tenuifolia</i>)	26	●	SC	Perennial	Present	insects	Somewhat specific insect	3
Spotted water hemlock (<i>Cicuta maculata</i>)	26	●	SC	Perennial	Present	insects	Generalist	2
Ontario aster (<i>Aster ontarionis</i>)	26	●	UNK	Perennial	Present	insects	Generalist	3
Bristly buttercup (<i>Ranunculus pensylvanicus</i>)	21	●	SI	Perennial	Present	insects	Generalist	4
Erect, Smooth, or Illinois carrion-flower*	21	●	D	Perennial	Present	insects	Somewhat specific insect	5
Sweet-scented bedstraw (<i>Galium triflorum</i>)	21	●●	UNK	Perennial	Present	insects	Generalist	3
Stinging nettle (<i>Urtica dioica</i>)	21	●●●	D	Perennial	Present	wind	Generalist	0
Obedient plant (<i>Physostegia virginiana</i>)	21	●	SC	Perennial	Present	insects	Somewhat specific insect	3
Wild cucumber (<i>Echinocystis lobata</i>)	21	●	UNK	Annual	Absent	insects	Generalist	5
Eastern panicled aster (<i>Aster lanceolatus</i>)	16	●	SI	Perennial	Present	insects	Generalist	4
Spinulose shield fern or Glandular wood fern**	16	●	SC	Perennial	Present	wind, water	Generalist	0
Early meadow-rue (<i>Thalictrum dioicum</i>)	16	●	SI	Perennial	Present	wind	Generalist	0
Tall meadow-rue (<i>Thalictrum dasycarpum</i>)	16	●	D	Perennial	Present	wind	Generalist	0
Marsh skullcap (<i>Scutellaria galericulata</i>)	16	●	SC	Perennial	Present	insects	Somewhat specific insect	3
Giant goldenrod (<i>Solidago gigantea</i>)	16	●	GM	Perennial	Present	insects	Generalist	4
Halberd-leaved tearthumb (<i>Polygonum arifolium</i>)	16	●	UNK	Annual	Absent	insects	Generalist	5
Blue monkey flower (<i>Mimulus ringens</i>)	16	●	SC	Perennial	Present	insects	Somewhat specific insect	3
Small bedstraw (<i>Galium tinctorium</i>)	16	●●	UNK	Perennial	Present	insects	Generalist	3
Virginia bugleweed (<i>Lycopus virginicus</i>)	16	●●	SC	Perennial	Weakly	insects	Generalist	2

Forbs cont.								
Cut-leaved bugleweed (<i>Lycopus americanus</i>)	16	•	SC	Perennial	Weakly	insects	Generalist	2
Hispid buttercup (<i>Ranunculus hispidus</i>)	16	•	SI	Perennial	Present	insects	Early spring insect	5
Ditch stonecrop (<i>Penthorum sedoides</i>)	16	•	UNK	Perennial	Present	insects	Generalist	3
Grasses and Sedges								
Virginia wild rye (<i>Elymus virginicus</i>)	58	•••	SC	Perennial	Absent	wind	Generalist	0
Retorse sedge (<i>Carex retrorsa</i>)	53	•	UNK	Perennial	Present	wind	Generalist	0
Tuckerman's sedge (<i>Carex tuckermanii</i>)	47	•••	UNK	Perennial	Present	wind	Generalist	0
Hop umbrella sedge (<i>Carex lupulina</i>)	42	••	UNK	Perennial	Present	wind	Generalist	0
Stout woodreed (<i>Cinna arundinacea</i>)	32	•	UNK	Perennial	Weakly	wind	Generalist	0
Fringe sedge (<i>Carex crinita</i>)	32	•	UNK	Perennial	Present	wind	Generalist	0
Projecting sedge (<i>Carex projecta</i>)	26	••	UNK	Perennial	Present	wind	Generalist	0
Bladder sedge (<i>Carex intumescens</i>)	21	••	UNK	Perennial	Present	wind	Generalist	0
Bluejoint (<i>Calamagrostis canadensis</i>)	21	•	A	Perennial	Present	wind	Generalist	0
White grass (<i>Leersia virginica</i>)	16	•	UNK	Perennial	Present	wind	Generalist	0
Marsh straw sedge (<i>Carex tenera</i>)	16	••	UNK	Perennial	Present	wind	Generalist	0
Starry sedge (<i>Carex rosea</i>)	16	•	UNK	Perennial	Present	wind	Generalist	0
Foxtail sedge (<i>Carex alopecoidea</i>)	16	••	UNK	Perennial	Present	wind	Generalist	0
Northern clustered sedge (<i>Carex arcta</i>)	16	•	UNK	Perennial	Present	wind	Generalist	0
Climbing Plants								
Wild grape (<i>Vitis riparia</i>)	21	•	D	Perennial	Present	insects	Generalist	4
Shrubs								
Gray dogwood (<i>Cornus racemosa</i>)	26	•	UNK	Perennial	Present	insects	Generalist	3
Wild black currant (<i>Ribes americanum</i>)	26	•	SI	Perennial	Present	insects	Generalist	4
Tree Canopy								
Silver maple	89	•••••	usually D	Perennial	Absent	insects,	Generalist	4
Green ash	53	••••	D	Perennial	UNK	wind	Generalist	0
Black ash	32	•••	D	Perennial	Absent	wind	Generalist	0
American elm	16	•••	Di	Perennial	Absent	wind	Generalist	0
Bur oak	11	•	SI	Perennial	Present	wind	Generalist	0
Box elder	-	-	D	Perennial	Absent	insects	Early spring insect	6
Tree Subcanopy								
Silver maple	68	••	usually D	Perennial	Absent	insects,	Generalist	4
Green ash	53	••	D	Perennial	UNK	wind	Generalist	0
Black ash	32	••	D	Perennial	Absent	wind	Generalist	0
American elm	47	••	Di	Perennial	Absent	wind	Generalist	0
Bur oak	-	-	SI	Perennial	Present	wind	Generalist	0
Box elder	-	-	D	Perennial	Absent	insects	Early spring insect	6
Tree Shrub Layer								
Silver maple	79	••	usually D	Perennial	Absent	insects,	Generalist	4
Black ash	32	••	D	Perennial	Absent	wind	Generalist	0

American elm	58	•	Di	Perennial	Absent	wind	Generalist	0
Bur oak	26	•	Sl	Perennial	Present	wind	Generalist	0
Box elder	38	•	D	Perennial	Absent	insects	Early spring insect	6

* Erect, Smooth, or Illinois carrion-flower (*Smilax ecirrata*, *S. herbacea*, or *S. illinoensis*); Spinulose shield fern or Glandular wood fern (*Dryopteris carthusiana* or *D. intermedia*).