

MRp93 Prairie Bulrush-Arrowhead Marsh Pollinator Resources

Emergent marsh communities typically dominated by bulrushes, bur reeds, arrowheads, or spikerushes. Present along lakeshores and stream borders.

Examples of insect pollinators (and their associated host plants in parentheses) that use MRp93 include:

Bees:

Andrena simplex (*Symphyotrichum*)
Lasioglossum lusorium (Onagraceae)
Andrena brevipalpis (*Rhus*)

Butterflies:

Euphyes conspicua (*Carex*)
Danaus plexippus (*Asclepias*)
Tharsalea dione (*Polygonum*)
Tharsalea hyllus (*Rumex*)

Moths:

Papaipema lysimachiae (*Lysimachia thyrsoiflora*)
Photodes inops (*Spartina pectinate*)
Resapamea stipata (*Spartina pectinate*)



Andrena simplex (simple miner bee) uses *Symphyotrichum* (American aster) species as a host plant. Photo: Michael Veit

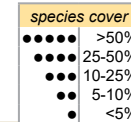


Tharsalea dione (gray copper) uses *Polygonum* (knotweed, smartweed) species as a host plant. Photo: Bob Dunlap

MRp93 Prairie Bulrush-Arrowhead Marsh

Pollinator Resources Table

MRp93 Class Factsheet. Based on 13 plots. November 2024



<i>Grasses and Sedges</i>	species frequency in NPC (%)	species cover (when present)	Compatibility	Longevity	Clonality	Principal Pollen Vector	Pollinator requirements	Pollination Index
Red-stalked spikerush (<i>Eleocharis palustris</i>)	54	●●●	SC	Perennial	Present	wind	Generalist	0
River bulrush (<i>Scirpus fluviatilis</i>)	54	●●●●●	UNK	Perennial	Present	wind	Generalist	0
Hardstem or Slender bulrush (<i>Scirpus acutus</i> or <i>S. heterochaetus</i>)	38	●●●●	UNK	Perennial	Present	wind	Generalist	0
Rice cut grass (<i>Leersia oryzoides</i>)	31	●	SC	Perennial	Present	wind	Generalist	0
Beaked sedge (<i>Carex utriculata</i>)	23	●	UNK	Perennial	Present	wind	Generalist	0
Fen wiregrass sedge (<i>Carex lasiocarpa</i>)	23	●	SI	Perennial	Present	wind	Generalist	0
Soft stem bulrush (<i>Scirpus validus</i>)	23	●●	UNK	Perennial	Present	wind	Generalist	0
Woolly sedge (<i>Carex pellita</i>)	15	●	SI	Perennial	Present	wind	Generalist	0
Tall manna grass (<i>Glyceria grandis</i>)	15	●●	UNK	Perennial	Present	wind	Generalist	0
Prairie cordgrass (<i>Spartina pectinata</i>)	8	●	UNK	Perennial	Present	wind	Generalist	0
Lake sedge (<i>Carex lacustris</i>)	8	●●●●●	UNK	Perennial	Present	wind	Generalist	0
Hayden's sedge (<i>Carex haydenii</i>)	8	●	UNK	Perennial	Present	wind	Generalist	0
Pointed broom sedge (<i>Carex scoparia</i>)	8	●	UNK	Perennial	Present	wind	Generalist	0
American slough grass (<i>Beckmannia syzigachne</i>)	8	●	UNK	Annual	Absent	wind	Generalist	0
Whitetop (<i>Scolochloa festucacea</i>)	8	●	UNK	Perennial	Present	wind	Generalist	0
Ovoid spikerush (<i>Eleocharis ovata</i>)	8	●	SC	Annual	Absent	wind	Generalist	0
Sartwell's sedge (<i>Carex sartwellii</i>)	8	●	UNK	Perennial	Present	wind	Generalist	0
Floating-leaved and Submergent Forbs								
Water smartweed (<i>Polygonum amphibium</i>)	69	●●●	Ge	Perennial	Present	insects	Generalist	2
Common coontail (<i>Ceratophyllum demersum</i>)	38	●●	SC	Perennial	Present	water	Generalist	0
Flat-stemmed pondweed (<i>Potamogeton zosteriformis</i>)	38	●	SI	Perennial	Absent	wind	Generalist	0
Whorled water milfoil (<i>Myriophyllum verticillatum</i>)	38	●●	UNK	Perennial	Present	wind	Generalist	0
Straight-leaved pondweed (<i>Potamogeton strictifolius</i>)	38	●	UNK	Perennial	Absent	wind	Generalist	0
Star-duckweed (<i>Lemna trisculata</i>)	31	●	UNK	Perennial	Present	water	Generalist	0
Sago pondweed (<i>Stuckenia pectinata</i>)	31	●●●	UNK	Perennial	Present	water	Generalist	0
Richardson's pondweed (<i>Potamogeton richardsonii</i>)	23	●	SI	Perennial	Present	wind	Generalist	0
Flexuous naiad (<i>Najas flexilis</i>)	23	●●	SC	Annual	Absent	water	Generalist	0
Lesser-duckweed (<i>Lemna minor</i>)	23	●	SC	Perennial	Present	water	Generalist	0
Illinois pondweed (<i>Potamogeton illinoensis</i>)	15	●	UNK	Perennial	Present	wind	Generalist	0
Greater duckweed (<i>Spirodela polyrhiza</i>)	8	●	UNK	Perennial	Present	water	Generalist	0
Leafy pondweed (<i>Potamogeton foliosus</i>)	8	●	SC	Perennial	Absent	water	Generalist	0
Robbins' pondweed (<i>Potamogeton robbinsii</i>)	8	●	SI	Perennial	Present	wind	Generalist	0
Very small pondweed (<i>Potamogeton pusillus</i>)	8	●	SC	Perennial	Absent	wind	Generalist	0
Grass-leaved pondweed (<i>Potamogeton gramineus</i>)	8	●	UNK	Perennial	Present	wind	Generalist	0
Fries' pondweed (<i>Potamogeton friesii</i>)	8	●	UNK	Perennial	Absent	wind	Generalist	0
Sea naiad (<i>Najas marina</i>)	8	●	D	Perennial	Present	water	Generalist	0
Southern naiad (<i>Najas guadalupensis</i>)	8	●	UNK	Perennial	Present	water	Generalist	0

Common bladderwort (<i>Utricularia vulgaris</i>)	8	●	UNK	Perennial	Present	insects	Somewhat specific insect	4
Emergent Forbs								
Broad-leaved arrowhead (<i>Sagittaria latifolia</i>)	54	●●●	SI	Perennial	Present	insects	Generalist	4
Giant bur reed (<i>Sparganium eurycarpum</i>)	38	●●●●	UNK	Perennial	Present	wind	Generalist	0
Bur marigold and Beggarticks (<i>Bidens</i> spp.)	38	●	Varies	Varies	Varies	insects	Generalist	Varies
Water parsnip (<i>Sium suave</i>)	31	●	Pa	Perennial	Absent	insects	Generalist	5
Swamp milkweed (<i>Asclepias incarnata</i>)	31	●	SC/si	Perennial	Absent	insects	Somewhat specific insect	5
Northern bugleweed (<i>Lycopus uniflorus</i>)	23	●	SC	Perennial	Weakly	insects	Generalist	2
Mad dog skullcap (<i>Scutellaria lateriflora</i>)	23	●	SC	Perennial	Present	insects	Somewhat specific insect	3
Heart-leaved water plantain (<i>Alisma subcordatum</i>)	15	●	SC	Perennial	Present	insects	Generalist	2
Tufted loosestrife (<i>Lysimachia thyrsoiflora</i>)	15	●	SI	Perennial	Present	insects	Generalist	4
Marsh skullcap (<i>Scutellaria galericulata</i>)	15	●	SC	Perennial	Present	insects	Somewhat specific insect	3
Common water plantain (<i>Alisma triviale</i>)	15	●	SC	Perennial	Present	insects	Generalist	2
Red-stemmed aster (<i>Aster puniceus</i>)	15	●	SI	Perennial	Present	insects	Generalist	4
Golden dock (<i>Rumex maritimus</i>)	15	●	UNK	Annual or biennial	Absent	wind	Generalist	0
Spotted water hemlock (<i>Cicuta maculata</i>)	15	●	SC	Perennial	Present	insects	Generalist	2
Touch-me-not (<i>Impatiens</i> spp.)	8	●	SI/SC	Annual	Absent	insects	Somewhat specific insect	6
Hedge bindweed (<i>Calystegia sepium</i>)	8	●	SI	Perennial	Present	insects	Generalist	4
Southern blue flag (<i>Iris virginica</i>)	8	●	UNK	Perennial	Present	insects	Somewhat specific insect	4
Common mint (<i>Mentha arvensis</i>)	8	●	SC	Perennial	Present	insects	Generalist	2
Three-cleft or Small bedstraw*	8	●	UNK	Perennial	Present	insects	Generalist	3
Cut-leaved bugleweed (<i>Lycopus americanus</i>)	8	●	SC	Perennial	Weakly	insects	Generalist	2
American, Purple-leaved, or Northern willow-herb**	8	●	Varies	Perennial	Present	insects	Generalist	3
Bulb-bearing water hemlock (<i>Cicuta bulbifera</i>)	8	●	UNK	Perennial	Absent	insects	Generalist	4
Woundwort (<i>Stachys palustris</i>)	8	●	SC	Perennial	Present	insects	Somewhat specific insect	3
Great water dock (<i>Rumex orbiculatus</i>)	8	●	UNK	Perennial	UNK	wind	Generalist	0
Sessile-fruited arrowhead (<i>Sagittaria rigida</i>)	8	●	SI	Perennial	Present	insects	Generalist	4
Arrow-leaved tearthumb (<i>Polygonum sagittatum</i>)	8	●	UNK	Annual	Absent	insects	Generalist	5
Dotted smartweed (<i>Polygonum punctatum</i>)	8	●	UNK	Annual or perennial	Present	insects	Generalist	5
Hybrid loosestrife (<i>Lysimachia hybrida</i>)	8	●	SI	Perennial	Present	insects	Generalist	4
Mild waterpepper (<i>Polygonum hydropiperoides</i>)	8	●	SC	Perennial	Present	insects	Generalist	2
Sweet flag (<i>Acorus calamus</i>)	8	●	A	Perennial	Present	insects	Generalist	2

* Three-cleft or Small bedstraw (*Galium trifidum* or *G. tinctorium*); **American, Purple-leaved, or Northern willow-herb (*Epilobium ciliatum*, *E. coloratum*, or *E. glandulosum*)