

MRn93 Northern Bulrush-Spikerush Marsh Pollinator Resources

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

Examples of insect pollinators (and their associated host plants in parentheses) that use MRn93 include:

Bees:

Hylaeus sparsus (Apiaceae)
Dufourea maura (Campanula)
Megachile campanulae (Campanula)

Butterflies:

Chlosyne gorgone (*Lysimachia thyrsiflora*)
Danaus plexippus (*Asclepias*)
Tharsalea hyllus (*Polygonum*)
Euphyes dion (*Carex*)
Tharsalea dione (*Rumex*)

Moths:

Macronoctua onusta (*Iris versicolor*)
Limnaecia phragmitella (*Typha latifolia*)



Danaus plexippus (monarch) uses *Asclepias* (milkweed) species as a host plant. Photo: Bob Dunlap

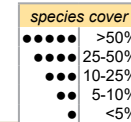


Megachile campanulae (bellflower resin bee) uses *Campanula* (harebell) species as a host plant. Photo: Heather Holm

MRn93 Northern Bulrush-Spikerush Marsh

Pollinator Resources Table

MRn93 Class Factsheet. Based on 34 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 |
|--|------------------------------|------------------------------|---------------|-----------|-----------|-------------------------|--------------------------|-------------------|
| Rice cut grass (<i>Leersia oryzoides</i>) | 65 | ●●● | SC | Perennial | Present | wind | Generalist | 0 |
| Soft stem bulrush (<i>Scirpus validus</i>) | 38 | ●●● | UNK | Perennial | Present | wind | Generalist | 0 |
| River bulrush (<i>Scirpus fluviatilis</i>) | 38 | ●●●● | UNK | Perennial | Present | wind | Generalist | 0 |
| Reed canary grass (<i>Phalaris arundinacea</i>) | 35 | ●● | SI | Perennial | Present | wind | Generalist | 0 |
| Red-stalked spikerush (<i>Eleocharis palustris</i>) | 32 | ●●● | SC | Perennial | Present | wind | Generalist | 0 |
| Tall manna grass (<i>Glyceria grandis</i>) | 26 | ●●● | UNK | Perennial | Present | wind | Generalist | 0 |
| Lake sedge (<i>Carex lacustris</i>) | 24 | ●●● | UNK | Perennial | Present | wind | Generalist | 0 |
| Common reed grass (<i>Phragmites australis</i>) | 18 | ●●● | SI | Perennial | Present | wind | Generalist | 0 |
| Three-way sedge (<i>Dulichium arundinaceum</i>) | 18 | ●●● | UNK | Perennial | Present | wind | Generalist | 0 |
| Bristly sedge (<i>Carex comosa</i>) | 18 | ● | UNK | Perennial | Present | wind | Generalist | 0 |
| Bluejoint (<i>Calamagrostis canadensis</i>) | 18 | ●● | A | Perennial | Present | wind | Generalist | 0 |
| Northern manna grass (<i>Glyceria borealis</i>) | 15 | ● | UNK | Perennial | Present | wind | Generalist | 0 |
| Fen wiregrass sedge (<i>Carex lasiocarpa</i>) | 12 | ● | SI | Perennial | Present | wind | Generalist | 0 |
| Woolgrass (<i>Scirpus cyperinus</i>) | 12 | ● | UNK | Perennial | Present | wind | Generalist | 0 |
| Beaked sedge (<i>Carex utriculata</i>) | 12 | ●●● | UNK | Perennial | Present | wind | Generalist | 0 |
| Floating-leaved and Submergent Forbs | | | | | | | | |
| Lesser-duckweed (<i>Lemna minor</i>) | 56 | ●●● | SC | Perennial | Present | water | Generalist | 0 |
| Greater duckweed (<i>Spirodela polyrhiza</i>) | 18 | ● | UNK | Perennial | Present | water | Generalist | 0 |
| Common white water-lily (<i>Nymphaea odorata</i>) | 15 | ●●● | SI | Perennial | Present | insects | Somewhat specific insect | 5 |
| Common coontail (<i>Ceratophyllum demersum</i>) | 12 | ● | SC | Perennial | Present | water | Generalist | 0 |
| Northern water milfoil (<i>Myriophyllum sibiricum</i>) | 12 | ● | UNK | Perennial | Present | wind | Generalist | 0 |
| Flat-stemmed pondweed (<i>Potamogeton zosteriformis</i>) | 12 | ● | SI | Perennial | Absent | wind | Generalist | 0 |
| Star-duckweed (<i>Lemna trisculata</i>) | 12 | ●● | UNK | Perennial | Present | water | Generalist | 0 |
| Flexuous naiad (<i>Najas flexilis</i>) | 12 | ● | SC | Annual | Absent | water | Generalist | 0 |
| Emergent Forbs | | | | | | | | |
| Broad-leaved arrowhead (<i>Sagittaria latifolia</i>) | 68 | ●●● | SI | Perennial | Present | insects | Generalist | 4 |
| Water smartweed (<i>Polygonum amphibium</i>) | 65 | ●● | Ge | Perennial | Present | insects | Generalist | 2 |
| Bur marigold and Beggarticks (<i>Bidens l.</i>) | 59 | ●● | Varies | Varies | Varies | insects | Generalist | Varies |
| Giant bur reed (<i>Sparganium eurycarpum</i>) | 47 | ●●●● | UNK | Perennial | Present | wind | Generalist | 0 |
| Bulb-bearing water hemlock (<i>Cicuta bulbifera</i>) | 35 | ● | UNK | Perennial | Absent | insects | Generalist | 4 |
| Water parsnip (<i>Sium suave</i>) | 29 | ● | Pa | Perennial | Absent | insects | Generalist | 5 |
| Clearweed (<i>Pilea spp.</i>) | 26 | ●● | sometimes D | Annual | Absent | wind | Generalist | 0 |
| Non-native cattails (<i>Typha angustiolia</i> or <i>T. x glauca</i>) | 26 | ●● | SC | Perennial | Present | wind | Generalist | 0 |
| Three-cleft or small bedstraw* | 26 | ●● | UNK | Perennial | Present | insects | Generalist | 3 |
| Marsh skullcap (<i>Scutellaria galericulata</i>) | 26 | ● | SC | Perennial | Present | insects | Somewhat specific insect | 3 |
| Tufted loosestrife (<i>Lysimachia thysiflora</i>) | 26 | ●● | SI | Perennial | Present | insects | Generalist | 4 |
| Common water plantain (<i>Alisma triviale</i>) | 26 | ●● | SC | Perennial | Present | insects | Generalist | 2 |

| | | | | | | | | |
|---|----|------|-----------|--------------------------------|---------|---------|--------------------------|---|
| Nodding smartweed (<i>Polygonum lapathifolium</i>) | 24 | ● | UNK | Annual | Absent | insects | Generalist | 5 |
| Northern bugleweed (<i>Lycopus uniflorus</i>) | 24 | ●● | SC | Perennial | Weakly | insects | Generalist | 2 |
| Sweet flag (<i>Acorus calamus</i>) | 21 | ●●●● | A | Perennial | Present | insects | Generalist | 2 |
| Common mint (<i>Mentha arvensis</i>) | 21 | ● | SC | Perennial | Present | insects | Generalist | 2 |
| Cut-leaved bugleweed (<i>Lycopus americanus</i>) | 18 | ● | SC | Perennial | Weakly | insects | Generalist | 2 |
| Dotted smartweed (<i>Polygonum punctatum</i>) | 18 | ● | UNK | Annual or perennial | Present | insects | Generalist | 5 |
| Broad-leaved cattail (<i>Typha latifolia</i>) | 15 | ● | SC | Perennial | Present | wind | Generalist | 0 |
| Arrow-leaved tearthumb (<i>Polygonum sagittatum</i>) | 15 | ● | UNK | Annual | Absent | insects | Generalist | 5 |
| False nettle (<i>Boehmeria cylindrica</i>) | 15 | ●● | D | Perennial | Present | wind | Generalist | 0 |
| Great water dock (<i>Rumex orbiculatus</i>) | 15 | ● | UNK | Perennial | UNK | wind | Generalist | 0 |
| Golden dock (<i>Rumex maritimus</i>) | 15 | ● | UNK | Annual or biennial | Absent | wind | Generalist | 0 |
| Mad dog skullcap (<i>Scutellaria lateriflora</i>) | 12 | ● | SC | Perennial | Present | insects | Somewhat specific insect | 3 |
| Swamp milkweed (<i>Asclepias incarnata</i>) | 12 | ● | SC/si | Perennial | Absent | insects | Somewhat specific insect | 5 |
| Bulrush (<i>Scirpus acutus</i> or <i>S. heterochaetus</i>) | 12 | ●●● | UNK | Perennial | Present | wind | Generalist | 0 |
| Icelandic yellow cress (<i>Rorippa palustris</i>) | 12 | ● | SC | Annual, biennial, or perennial | Present | insects | Generalist | 4 |
| Labrador bedstraw (<i>Galium labradoricum</i>) | 12 | ● | UNK | Perennial | Present | insects | Generalist | 3 |
| Touch-me-not (<i>Impatiens</i> spp.) | 12 | ● | SI/SC | Annual | Absent | insects | Somewhat specific insect | 6 |
| Floating pondweed (<i>Potamogeton natans</i>) | 9 | ● | SI | Perennial | Present | wind | Generalist | 0 |
| Common bladderwort (<i>Utricularia vulgaris</i>) | 9 | ● | UNK | Perennial | Present | insects | Somewhat specific insect | 4 |
| Northern blue flag (<i>Iris versicolor</i>) | 9 | ● | SC and SI | Perennial | Present | insects | Somewhat specific insect | 4 |
| Straight-leaved pondweed (<i>Potamogeton strictifolius</i>) | 9 | ● | UNK | Perennial | Absent | wind | Generalist | 0 |
| Spiny coontail (<i>Ceratophyllum echinatum</i>) | 9 | ● | SC | Perennial | Present | water | Generalist | 0 |
| Marsh bellflower (<i>Campanula aparinoides</i>) | 9 | ● | UNK | Perennial | Present | insects | Generalist | 3 |
| Pennsylvania smartweed (<i>Polygonum pensylvanicum</i>) | 9 | ●● | SC | Annual | Absent | insects | Generalist | 4 |
| Watershield (<i>Brasenia schreberi</i>) | 6 | ●● | Di | Perennial | Present | insects | Generalist | 4 |
| Grass-leaved pondweed (<i>Potamogeton gramineus</i>) | 6 | ● | UNK | Perennial | Present | wind | Generalist | 0 |
| Unbranched bur reed (<i>Sparganium emersum</i>) | 6 | ●●●● | UNK | Perennial | Present | wind | Generalist | 0 |

* Three-cleft or small bedstraw (*Galium trifidum* or *G. tinctorium*)