

FPn73 Northern Rich Alder Swamp Pollinator Resources

Tall shrub wetlands dominated by speckled alder on mineral, muck, or peat soils. Present in wetland basins on glacial moraines and till plains, along streams and drainage ways, and in laggs along peatland and upland borders.

Examples of insect pollinators (and their associated host plants in parentheses) that use FPn73 include:

Bees:

Andrena persimulata (*Cornus* [*Swida*])

Andrena salictaria (*Salix*)

Andrena placata (*Solidago*)

Butterflies:

Polygonia progne (*Ribes*)

Euphyes dion (*Carex*)

Colias interior (*Vaccinium*)

Moths:

Sthenopis argenteomaculatus (*Alnus incana*)

Mesoleuca ruficillata (*Rubus idaeus* var. *strigosus*)

Lithophane patefacta (*Acer rubrum*)

Acleris cornana (*Cornus sericea*)



Euphyes dion (Dion skipper) uses *Carex* (sedge) species as a host plant. Photo: Bob Dunlap

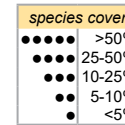


Lithophane patefacta (dimorphic pinion) uses *Acer rubrum* (red maple) as a host plant. Photo: Kyle Johnson

FPn73 Northern Rich Alder Swamp

Pollinator Resources Table

FPn73 Class Factsheet. Based on 44 plots. November 2024



Forbs	species frequency in NPC (%)	species cover (when present)	Compatibility	Longevity	Clonality	Principal Pollen Vector	Pollinator requirements	Pollination Index
Dwarf raspberry (<i>Rubus pubescens</i>)	89	●	SC	Perennial	Present	insects	Generalist	2
Crested fern (<i>Dryopteris cristata</i>)	86	●	SC	Perennial	Present	wind, water	Generalist	0
Northern bugleweed (<i>Lycopus uniflorus</i>)	82	●	SC	Perennial	Weakly	insects	Generalist	2
Northern marsh fern (<i>Thelypteris palustris</i>)	59	●	SC	Perennial	Present	wind, water	Generalist	0
Common marsh marigold (<i>Caltha palustris</i>)	59	●	SI	Perennial	Present	insects	Early spring insect	5
Red-stemmed aster (<i>Aster puniceus</i>)	59	●	SI	Perennial	Present	insects	Generalist	4
Spinulose shield fern (<i>Dryopteris carthusiana</i>)	55	●	SC	Perennial	Present	wind, water	Generalist	0
Touch-me-not (<i>Impatiens</i> spp.)	55	●●	SI/SC	Annual	Absent	insects	Somewhat specific insect	6
Tufted loosestrife (<i>Lysimachia thysiflora</i>)	55	●	SI	Perennial	Present	insects	Generalist	4
Three-leaved false Solomon's seal (<i>Smilacina trifolia</i>)	52	●●	UNK	Perennial	Present	insects	Early spring insect	4
Starflower (<i>Trientalis borealis</i>)	50	●	SI/sc	Perennial	Present	insects	Generalist	3
Marsh bellflower (<i>Campanula aparinoides</i>)	50	●	UNK	Perennial	Present	insects	Generalist	3
Bunchberry (<i>Cornus canadensis</i>)	48	●	SI	Perennial	Present	insects	Generalist	4
Canada mayflower (<i>Maianthemum canadense</i>)	43	●	SI	Perennial	Present	insects	Early spring insect	5
Northern blue flag (<i>Iris versicolor</i>)	43	●	SC and SI	Perennial	Present	insects	Somewhat specific insect	4
Great water dock (<i>Rumex orbiculatus</i>)	41	●	UNK	Perennial	UNK	wind	Generalist	0
Big-leaf white violet or Northern white violet*	39	●	Varies	Perennial	Present	insects	Varies	Varies
Linear-leaved, Marsh, or Downy willow-herb**	39	●	Varies	Perennial	Present	insects	Generalist	3
Marsh cinquefoil (<i>Potentilla palustris</i>)	36	●	SC	Perennial	Present	insects	Generalist	2
Cinnamon fern (<i>Osmunda cinnamomea</i>)	34	●●	SC	Perennial	Present	wind, water	Generalist	0
Marsh skullcap (<i>Scutellaria galericulata</i>)	34	●	SC	Perennial	Present	insects	Somewhat specific insect	3
Spotted Joe pye weed (<i>Eupatorium maculatum</i>)	32	●	UNK	Perennial	Present	insects	Generalist	3
Arrow-leaved tearthumb (<i>Polygonum sagittatum</i>)	30	●	UNK	Annual	Absent	insects	Generalist	5
Three-cleft or Small bedstraw (<i>Galium trifidum</i> or <i>G. tinctorium</i>)	30	●	UNK	Perennial	Present	insects	Generalist	3
Bog goldenrod (<i>Solidago uliginosa</i>)	30	●	SI	Perennial	Present	insects	Generalist	4
Mad dog skullcap (<i>Scutellaria lateriflora</i>)	25	●	SC	Perennial	Present	insects	Somewhat specific insect	3
Long-leaved chickweed (<i>Stellaria longifolia</i>)	25	●	SC	Perennial	Present	insects	Generalist	2
Woodland horsetail (<i>Equisetum sylvaticum</i>)	23	●●	SC	Perennial	Present	wind, water	Generalist	0
Sweet-scented bedstraw (<i>Galium triflorum</i>)	23	●	UNK	Perennial	Present	insects	Generalist	3
Flat-topped aster (<i>Aster umbellatus</i>)	23	●	UNK	Perennial	Present	insects	Generalist	3
Water horsetail (<i>Equisetum fluviatile</i>)	20	●	SC	Perennial	Present	wind, water	Generalist	0
Bulb-bearing water hemlock (<i>Cicuta bulbifera</i>)	20	●	UNK	Perennial	Absent	insects	Generalist	4
Naked miterwort (<i>Mitella nuda</i>)	20	●	UNK	Perennial	Present	insects	Early spring insect	4
Goldthread (<i>Coptis trifolia</i>)	18	●	UNK	Perennial	Present	insects	Early spring insect	4
Bluebead lily (<i>Clintonia borealis</i>)	18	●	SI	Perennial	Present	insects	Generalist	4
Grasses and Sedges								
Bluejoint (<i>Calamagrostis canadensis</i>)	80	●●●	A	Perennial	Present	wind	Generalist	0

Grasses and Sedges cont.								
Soft-leaved sedge (<i>Carex disperma</i>)	57	••	UNK	Perennial	Present	wind	Generalist	0
Bristle-stalked sedge (<i>Carex leptalea</i>)	45	••	UNK	Perennial	Present	wind	Generalist	0
Lake sedge (<i>Carex lacustris</i>)	45	••••	UNK	Perennial	Present	wind	Generalist	0
Interior sedge (<i>Carex interior</i>)	34	•	UNK	Perennial	Present	wind	Generalist	0
Three-fruited bog sedge (<i>Carex trisperma</i>)	27	•	UNK	Perennial	Present	wind	Generalist	0
Fowl manna grass (<i>Glyceria striata</i>)	27	•••	UNK	Perennial	Present	wind	Generalist	0
Poor sedge (<i>Carex paupercula</i>)	20	•	UNK	Perennial	Present	wind	Generalist	0
Low Shrubs								
Red raspberry (<i>Rubus idaeus</i>)	84	•	SC	Perennial	Present	insects	Generalist	2
Labrador tea (<i>Ledum groenlandicum</i>)	50	••	SC	Perennial	Present	insects	Early spring insect	3
Lowbush blueberry (<i>Vaccinium angustifolium</i>)	27	•	± SC	Perennial	Present	insects	Somewhat specific insect, Facultative buzz pollination	3
Velvet-leaved blueberry (<i>Vaccinium myrtilloides</i>)	23	•	SC	Perennial	Present	insects	Somewhat specific insect, Facultative buzz pollination	3
Tall Shrubs								
Speckled alder (<i>Alnus incana</i>)	98	•••••	Di	Perennial	Present	wind	Generalist	0
Red-osier dogwood (<i>Cornus sericea</i>)	66	••	SI	Perennial	Present	insects	Generalist	4
Swamp gooseberry (<i>Ribes hirtellum</i>)	32	•	SI	Perennial	Present	insects	Generalist	4
Juneberries (<i>Amelanchier spp.</i>)	32	•	Varies	Perennial	Present	insects	Early spring insect	Varies
Pussy willow (<i>Salix discolor</i>)	32	•	D	Perennial	Present	insects	Early spring insect	5
Skunk currant (<i>Ribes glandulosum</i>)	32	•	SI	Perennial	Present	insects	Generalist	4
Dwarf alder (<i>Rhamnus alnifolia</i>)	30	••	UNK	Perennial	Absent	insects	Generalist	4
Bog birch (<i>Betula pumila</i>)	27	•••	Di	Perennial	Present	wind	Generalist	0
Mountain fly honeysuckle (<i>Lonicera villosa</i>)	23	•	SC	Perennial	Weakly	insects	Somewhat specific insect	3
Tree Canopy								
Paper birch	30	•	Di	Perennial	Present	wind	Generalist	0
Tamarack	30	•	SI	Perennial	Absent	wind	Generalist	0
Black spruce	20	•	UNK	Perennial	Absent	wind	Generalist	0
Black ash	16	•	D	Perennial	Absent	wind	Generalist	0
Balsam fir	14	•	UNK	Perennial	Absent	wind	Generalist	0
White cedar	11	•	UNK	Perennial	Absent	wind	Generalist	0
Red maple	2	•	D	Perennial	Absent	insects	Early spring insect	6
Tree Understory								
Paper birch	59	•	Di	Perennial	Present	wind	Generalist	0
Tamarack	30	•	SI	Perennial	Absent	wind	Generalist	0
Black spruce	27	•	UNK	Perennial	Absent	wind	Generalist	0
Black ash	27	•	D	Perennial	Absent	wind	Generalist	0
Balsam fir	45	•	UNK	Perennial	Absent	wind	Generalist	0
White cedar	23	•	UNK	Perennial	Absent	wind	Generalist	0
Red maple	55	•	D	Perennial	Absent	insects	Early spring insect	6

*Big-leaf white violet or Northern white violet (*Viola blanda* or *V. macloskeyi*); ** Linear-leaved, Marsh, or Downy willow-herb (*Epilobium leptophyllum*, *E. palustre*, or *E. strictum*).