

FPw63 Northwestern Rich Conifer Swamp Pollinator Resources

Tamarack- or occasionally black spruce–dominated swamps in peat-filled depressions on glacial lake plains. Typically associated with sandy beach deposits.

Examples of insect pollinators (and their associated host plants in parentheses) that use FPw63 include:

Bees:

Melissodes desponsus (*Cirsium*)

Andrena placata (*Symphyotrichum*)

Andrena sigmundi (*Salix*)

Butterflies:

Satyrium titus (*Prunus*)

Erynnis juvenalis (*Quercus*)

Erynnis icelus (*Salix*)

Moths:

Hyalophora columbia (*Larix laricina*)

Phragmatobia fuliginosa (*Eutrochium maculatum*)

Tricholita signata (*Cirsium muticum*)

Malacosoma californica (*Betula pumila*)



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

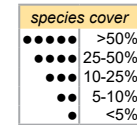


Hyalophora columbia (larch silkmoth) uses *Larix laricina* (tamarack) as a host plant. Photo: Kyle Johnson

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Pollinator Resources Table

FPw63 Class Factsheet. Based on 28 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>)	100	●●●	SC	Perennial	Present	insects	Generalist	2
Sweet-scented bedstraw (<i>Galium triflorum</i>)	75	●	UNK	Perennial	Present	insects	Generalist	3
Spotted Joe pye weed (<i>Eupatorium maculatum</i>)	75	●	UNK	Perennial	Present	insects	Generalist	3
Red-stemmed aster (<i>Aster puniceus</i>)	75	●	SI	Perennial	Present	insects	Generalist	4
Starflower (<i>Trientalis borealis</i>)	64	●	SI/sc	Perennial	Present	insects	Generalist	3
Naked miterwort (<i>Mitella nuda</i>)	64	●●	UNK	Perennial	Present	insects	Early spring insect	4
Twinflower (<i>Linnaea borealis</i>)	61	●	SC	Perennial	Present	insects	Generalist	2
Common marsh marigold (<i>Caltha palustris</i>)	57	●	SI	Perennial	Present	insects	Early spring insect	5
Three-leaved false Solomon's seal (<i>Smilacina trifolia</i>)	54	●	UNK	Perennial	Present	insects	Early spring insect	4
Canada mayflower (<i>Maianthemum canadense</i>)	54	●	SI	Perennial	Present	insects	Early spring insect	5
Bunchberry (<i>Cornus canadensis</i>)	50	●●	SI	Perennial	Present	insects	Generalist	4
Northern marsh fern (<i>Thelypteris palustris</i>)	50	●	SC	Perennial	Present	wind, water	Generalist	0
Bog goldenrod (<i>Solidago uliginosa</i>)	46	●	SI	Perennial	Present	insects	Generalist	4
Water horsetail (<i>Equisetum fluviatile</i>)	46	●●	SC	Perennial	Present	wind, water	Generalist	0
Common strawberry (<i>Fragaria virginiana</i>)	46	●	SC	Perennial	Present	insects	Early spring insect	3
Labrador bedstraw (<i>Galium labradoricum</i>)	46	●	UNK	Perennial	Present	insects	Generalist	3
Showy lady's slipper (<i>Cypripedium reginae</i>)	43	●	SC	Perennial	Weakly	insects	Very specialized insect	4
Marsh bellflower (<i>Campanula aparinoides</i>)	43	●	UNK	Perennial	Present	insects	Generalist	3
Bog aster (<i>Aster borealis</i>)	39	●	UNK	Perennial	Present	insects	Generalist	3
Wild sarsaparilla (<i>Aralia nudicaulis</i>)	36	●	D	Perennial	Present	insects	Generalist	4
Linear-leaved, Marsh, or Downy willow-herb *	36	●	Varies	Perennial	Present	insects	Generalist	3
Swamp thistle (<i>Cirsium muticum</i>)	36	●	GD	Biennial	Absent	insects	Generalist	6
Tufted loosestrife (<i>Lysimachia thysiflora</i>)	36	●	SI	Perennial	Present	insects	Generalist	4
Crested fern (<i>Dryopteris cristata</i>)	32	●	SC	Perennial	Present	wind, water	Generalist	0
Alpine enchanter's nightshade (<i>Circaea alpina</i>)	32	●●	SC	Perennial	Present	insects	Generalist	2
Starry false Solomon's seal (<i>Smilacina stellata</i>)	32	●	UNK	Perennial	Present	insects	Early spring insect	4
Flat-topped aster (<i>Aster umbellatus</i>)	29	●	UNK	Perennial	Present	insects	Generalist	3
Broad-leaved cattail (<i>Typha latifolia</i>)	29	●	SC	Perennial	Present	wind	Generalist	0
Tall meadow-rue (<i>Thalictrum dasycarpum</i>)	29	●	D	Perennial	Present	wind	Generalist	0
One-sided pyrola (<i>Pyrola secunda</i>)	29	●	UNK	Perennial	Present	insects	Somewhat specific insect, Facultative buzz pollination	4
Pink shinleaf (<i>Pyrola asarifolia</i>)	29	●	UNK	Perennial	Present	insects	Buzz pollination	5
Grasses and Sedges								
Fowl manna grass (<i>Glyceria striata</i>)	71	●●●	UNK	Perennial	Present	wind	Generalist	0
Fringed brome (<i>Bromus ciliatus</i>)	61	●	SC	Perennial	Absent	wind	Generalist	0
Soft-leaved sedge (<i>Carex disperma</i>)	46	●●	UNK	Perennial	Present	wind	Generalist	0
Bluejoint (<i>Calamagrostis canadensis</i>)	39	●●	A	Perennial	Present	wind	Generalist	0
Lake sedge (<i>Carex lacustris</i>)	39	●●●	UNK	Perennial	Present	wind	Generalist	0

Bristle-stalked sedge (<i>Carex leptalea</i>)	36	••	UNK	Perennial	Present	wind	Generalist	0
Interior sedge (<i>Carex interior</i>)	36	••	UNK	Perennial	Present	wind	Generalist	0
Climbing Plants								
Wild honeysuckle (<i>Lonicera dioica</i>)	29	•	SC	Perennial	Weakly	insects	Somewhat specific insect	3
Low Shrubs								
Labrador tea (<i>Ledum groenlandicum</i>)	68	••	SC	Perennial	Present	insects	Early spring insect	3
Red raspberry (<i>Rubus idaeus</i>)	54	••	SC	Perennial	Present	insects	Generalist	2
Small cranberry (<i>Vaccinium oxycoccos</i>)	43	•	± SC	Perennial	Present	insects	Somewhat specific insect, Facultative buzz pollination	3
Poison ivy (<i>Toxicodendron rydbergii</i>)	32	•	D	Perennial	Present	insects	Generalist	4
Tall Shrubs								
Red-osier dogwood (<i>Cornus sericea</i>)	89	•••	SI	Perennial	Present	insects	Generalist	4
Bog birch (<i>Betula pumila</i>)	89	••	Di	Perennial	Present	wind	Generalist	0
Dwarf alder (<i>Rhamnus alnifolia</i>)	86	•	UNK	Perennial	Absent	insects	Generalist	4
Swamp fly honeysuckle (<i>Lonicera oblongifolia</i>)	57	•	SC	Perennial	Weakly	insects	Somewhat specific insect	3
Pussy willow (<i>Salix discolor</i>)	50	•	D	Perennial	Present	insects	Early spring insect	5
Mountain fly honeysuckle (<i>Lonicera villosa</i>)	46	•	SC	Perennial	Weakly	insects	Somewhat specific insect	3
Bebb's willow (<i>Salix bebbiana</i>)	39	•	D	Perennial	Present	insects	Early spring insect	5
Juneberries (<i>Amelanchier</i> spp.)	39	•	Varies	Perennial	Present	insects	Early spring insect	Varies
Shrubby cinquefoil (<i>Potentilla fruticosa</i>)	36	•	SC	Perennial	Absent	insects	Generalist	3
Swamp gooseberry (<i>Ribes hirtellum</i>)	36	•	SI	Perennial	Present	insects	Generalist	4
Sage-leaved willow (<i>Salix candida</i>)	32	•	D	Perennial	Present	insects	Early spring insect	5
Chokecherry (<i>Prunus virginiana</i>)	32	•	SI	Perennial	Present	insects	Early spring insect	5
Tree Canopy								
Tamarack	93	••••	SI	Perennial	Absent	wind	Generalist	0
Black spruce	46	•••	UNK	Perennial	Absent	wind	Generalist	0
Black ash	18	•	D	Perennial	Absent	wind	Generalist	0
Paper birch	7	•	Di	Perennial	Present	wind	Generalist	0
American elm	4	•	Di	Perennial	Absent	wind	Generalist	0
Balsam fir	4	•	UNK	Perennial	Absent	wind	Generalist	0
Balsam poplar	4	•	D	Perennial	Present	wind	Generalist	0
Bur oak	-	-	SI	Perennial	Present	wind	Generalist	0
Tree Understory								
Tamarack	54	•••	SI	Perennial	Absent	wind	Generalist	0
Black spruce	50	•	UNK	Perennial	Absent	wind	Generalist	0
Black ash	29	•	D	Perennial	Absent	wind	Generalist	0
Paper birch	29	•	Di	Perennial	Present	wind	Generalist	0
American elm	39	•	Di	Perennial	Absent	wind	Generalist	0
Balsam fir	14	•	UNK	Perennial	Absent	wind	Generalist	0
Balsam poplar	18	•	D	Perennial	Present	wind	Generalist	0
Bur oak	18	•	SI	Perennial	Present	wind	Generalist	0

* Linear-leaved, Marsh, or Downy willow-herb (*Epilobium leptophyllum*, *E. palustre*, or *E. strictum*)