

FPn63 Northern Cedar Swamp Pollinator Resources

White cedar–dominated swamps on wet peat soils. Often present in areas influenced by mineral-rich subsurface flow or groundwater seepage along the margins of uplands and peatlands.

Examples of insect pollinators (and their associated host plants in parentheses) that use FPn63 include:

Bees:

Andrena frigida (*Salix*)

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

Colletes validus (*Vaccinium*)

Butterflies:

Erebia mancinus (*Carex trisperma*)

Boloria chariclea (*Vaccinium*, *Viola*)

Boloria Frigga (*Vaccinium*)

Moths:

Caloptilia cornusella (*Cornus canadensis*)

Syngrapha rectangular (*Abies balsamea*)

Acleris cornana (*Cornus sericea*)

Zeiraphera canadensis (*Picea mariana*)



Colletes validus (blueberry cellophane bee) uses *Vaccinium* (blueberry, cranberry) species as a host plant. Photo: Michael Veit

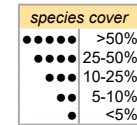


Boloria frigga uses *Vaccinium* (blueberry, cranberry) and *Viola* (violet) species as host plants. Photo: Kyle Johnson

FPn63 Northern Cedar Swamp

Pollinator Resources Table

FPn63 Class Factsheet. Based on 76 plots. November 2024



Forbs	species frequency in NPC (%)	species cover (when present)	Compatibility	Longevity	Clonality	Principal Pollen Vector	Pollinator requirements	Pollination Index
Goldthread (<i>Coptis trifolia</i>)	97	●	UNK	Perennial	Present	insects	Early spring insect	4
Dwarf raspberry (<i>Rubus pubescens</i>)	93	●●	SC	Perennial	Present	insects	Generalist	2
Twinflower (<i>Linnaea borealis</i>)	93	●	SC	Perennial	Present	insects	Generalist	2
Bunchberry (<i>Cornus canadensis</i>)	93	●●	SI	Perennial	Present	insects	Generalist	4
Naked miterwort (<i>Mitella nuda</i>)	92	●●	UNK	Perennial	Present	insects	Early spring insect	4
Starflower (<i>Trientalis borealis</i>)	92	●	SI/sc	Perennial	Present	insects	Generalist	3
Three-leaved false Solomon's seal (<i>Smilacina trifolia</i>)	87	●●	UNK	Perennial	Present	insects	Early spring insect	4
Sweet-scented bedstraw (<i>Galium triflorum</i>)	78	●	UNK	Perennial	Present	insects	Generalist	3
Bluebead lily (<i>Clintonia borealis</i>)	62	●	SI	Perennial	Present	insects	Generalist	4
Canada mayflower (<i>Maianthemum canadense</i>)	59	●	SI	Perennial	Present	insects	Early spring insect	5
Common marsh marigold (<i>Caltha palustris</i>)	59	●	SI	Perennial	Present	insects	Early spring insect	5
Wild sarsaparilla (<i>Aralia nudicaulis</i>)	47	●	D	Perennial	Present	insects	Generalist	4
Common strawberry (<i>Fragaria virginiana</i>)	45	●	SC	Perennial	Present	insects	Early spring insect	3
One-sided pyrola (<i>Pyrola secunda</i>)	45	●	UNK	Perennial	Present	insects	Somewhat specific insect, Facultative buzz pollination	4
One-flowered pyrola (<i>Moneses uniflora</i>)	42	●	SC	Perennial	Present	insects	Buzz pollination	4
Crested fern (<i>Dryopteris cristata</i>)	37	●	SC	Perennial	Present	wind, water	Generalist	0
Red-stemmed aster (<i>Aster puniceus</i>)	37	●	SI	Perennial	Present	insects	Generalist	4
Rattlesnake fern (<i>Botrychium virginianum</i>)	37	●	SC	Perennial	Present	wind, water	Generalist	0
Common oak fern (<i>Gymnocarpium dryopteris</i>)	37	●	SC	Perennial	Present	wind, water	Generalist	0
Showy lady's slipper (<i>Cypripedium reginae</i>)	36	●	SC	Perennial	Weakly	insects	Very specialized insect	4
Northern marsh fern (<i>Thelypteris palustris</i>)	34	●	SC	Perennial	Present	wind, water	Generalist	0
Pink shinleaf (<i>Pyrola asarifolia</i>)	33	●	UNK	Perennial	Present	insects	Buzz pollination	5
Lesser rattlesnake plantain (<i>Goodyera repens</i>)	33	●	SI	Perennial	Present	insects	Generalist	4
Small northern bog orchid (<i>Platanthera obtusata</i>)	32	●	SI	Perennial	Weakly	insects	Very specialized insect	6
Kidney-leaved violet (<i>Viola renifolia</i>)	30	●	CL flowers present	Perennial	Present	insects	Early spring insect	4
Big-leaf white violet or Northern white violet*	29	●	Varies	Perennial	Present	insects	Varies	Varies
Heart-leaved twayblade (<i>Listera cordata</i>)	28	●	SC	Perennial	Present	insects	Generalist	2
Labrador bedstraw (<i>Galium labradoricum</i>)	28	●	UNK	Perennial	Present	insects	Generalist	3
Tall Northern bog orchid (<i>Platanthera hyperborea</i>)	26	●	SC	Perennial	Weakly	insects	Very specialized insect	4
Lady fern (<i>Athyrium filix-femina</i>)	26	●	SC	Perennial	Present	wind, water	Generalist	0
Large-leaved aster (<i>Aster macrophyllus</i>)	26	●	A	Perennial	Present	insects	Generalist	2
Spotted Joe pye weed (<i>Eupatorium maculatum</i>)	25	●	UNK	Perennial	Present	insects	Generalist	3
Yellow lady's slipper (<i>Cypripedium calceolus</i>)	25	●	SC	Perennial	Weakly	insects	Very specialized insect	4
Northern bugleweed (<i>Lycopus uniflorus</i>)	24	●	SC	Perennial	Weakly	insects	Generalist	2
Grasses and Sedges								
Soft-leaved sedge (<i>Carex disperma</i>)	74	●●●	UNK	Perennial	Present	wind	Generalist	0
Bristle-stalked sedge (<i>Carex leptalea</i>)	72	●●●	UNK	Perennial	Present	wind	Generalist	0

Three-fruited bog sedge (<i>Carex trisperma</i>)	47	●●●	UNK	Perennial	Present	wind	Generalist	0
Poor sedge (<i>Carex paupercula</i>)	47	●	UNK	Perennial	Present	wind	Generalist	0
Bluejoint (<i>Calamagrostis canadensis</i>)	41	●●	A	Perennial	Present	wind	Generalist	0
Fowl manna grass (<i>Glyceria striata</i>)	39	●	UNK	Perennial	Present	wind	Generalist	0
Interior sedge (<i>Carex interior</i>)	26	●●	UNK	Perennial	Present	wind	Generalist	0
Drooping woodreed (<i>Cinna latifolia</i>)	25	●	UNK	Perennial	Weakly	wind	Generalist	0
Low Shrubs								
Labrador tea (<i>Ledum groenlandicum</i>)	88	●●	SC	Perennial	Present	insects	Early spring insect	3
Creeping snowberry (<i>Gaultheria hispidula</i>)	79	●	UNK	Perennial	Present	insects	Generalist	3
Small cranberry (<i>Vaccinium oxycoccos</i>)	50	●	± SC	Perennial	Present	insects	Somewhat specific insect, Facultative buzz pollination	3
Velvet-leaved blueberry (<i>Vaccinium myrtilloides</i>)	39	●	SC	Perennial	Present	insects	Somewhat specific insect, Facultative buzz pollination	3
Lowbush blueberry (<i>Vaccinium angustifolium</i>)	28	●	± SC	Perennial	Present	insects	Somewhat specific insect, Facultative buzz pollination	3
Tall Shrubs								
Speckled alder (<i>Alnus incana</i>)	63	●●●	Di	Perennial	Present	wind	Generalist	0
Dwarf alder (<i>Rhamnus alnifolia</i>)	63	●	UNK	Perennial	Absent	insects	Generalist	4
Red-osier dogwood (<i>Cornus sericea</i>)	63	●	SI	Perennial	Present	insects	Generalist	4
Fly honeysuckle (<i>Lonicera canadensis</i>)	46	●	SC	Perennial	Absent	insects	Somewhat specific insect	4
Swamp fly honeysuckle (<i>Lonicera oblongifolia</i>)	38	●	SC	Perennial	Weakly	insects	Somewhat specific insect	3
Juneberries (<i>Amelanchier</i> spp.)	30	●	Varies	Perennial	Present	insects	Early spring insect	Varies
Mountain fly honeysuckle (<i>Lonicera villosa</i>)	29	●	SC	Perennial	Weakly	insects	Somewhat specific insect	3
Swamp red currant (<i>Ribes triste</i>)	26	●	SI	Perennial	Present	insects	Generalist	4
Pussy willow (<i>Salix discolor</i>)	25	●	D	Perennial	Present	insects	Early spring insect	5
Tree Canopy								
White cedar	92	●●●●	UNK	Perennial	Absent	wind	Generalist	0
Balsam fir	67	●●	UNK	Perennial	Absent	wind	Generalist	0
Black spruce	59	●●●	UNK	Perennial	Absent	wind	Generalist	0
Paper birch	22	●	Di	Perennial	Present	wind	Generalist	0
Tamarack	14	●●	SI	Perennial	Absent	wind	Generalist	0
Black ash	8	●●	D	Perennial	Absent	wind	Generalist	0
Red maple	4	●	D	Perennial	Absent	insects	Early spring insect	6
Tree Understory								
White cedar	83	●●●	UNK	Perennial	Absent	wind	Generalist	0
Balsam fir	89	●●●	UNK	Perennial	Absent	wind	Generalist	0
Black spruce	45	●●	UNK	Perennial	Absent	wind	Generalist	0
Paper birch	46	●	Di	Perennial	Present	wind	Generalist	0
Tamarack	20	●	SI	Perennial	Absent	wind	Generalist	0
Black ash	37	●	D	Perennial	Absent	wind	Generalist	0
Red maple	26	●	D	Perennial	Absent	insects	Early spring insect	6

*Big-leaf white violet or Northern white violet (*Viola blanda* or *V. macloskeyi*).