

OPn81 Northern Shrub Shore Fen Pollinator Resources

Shrub-dominated peatlands on floating mats along margins of peatlands in ponds, lakes, and streams.

Examples of insect pollinators (and their associated host plants in parentheses) that use OPn81 include:

Bees:

Andrena melanochroa (Rosaceae)

Osmia laticeps (*Vaccinium*)

Andrena frigida (*Salix*)

Butterflies:

Euphyes dion (*Carex*)

Chlosyne gorgone (*Lysimachia thrysiflora*)

Boloria frigida (*Kalmia* and *Andromeda*)

Moths:

Acleris oxycoccana (*Chamaedaphne calyculata*)

Sympistis piffardi (*Spiraea alba*)

Syngrapha montana (*Rhododendron groenlandicum*)

Catocala badia (*Myrica gale*)



Andrena frigida uses *Salix* (willow) species as a host plant. Photo: Michael Veit

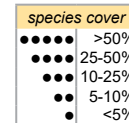


Catocala badia (bay underwing) uses *Myrica gale* (sweetgale) as a host plant. Photo: Kyle Johnson

OPn81 Northern Shrub Shore Fen

Pollinator Resources Table

OPn81 Class Factsheet. Based on 42 plots. November 2024



Forbs	species frequency in NPC (%)	species cover (when present)	Compatibility	Longevity	Clonality	Principal Pollen Vector	Pollinator requirements	Pollination Index
Marsh cinquefoil (<i>Potentilla palustris</i>)	81	●	SC	Perennial	Present	insects	Generalist	2
Northern marsh fern (<i>Thelypteris palustris</i>)	55	●	SC	Perennial	Present	wind, water	Generalist	0
Tufted loosestrife (<i>Lysimachia thysiflora</i>)	55	●	SI	Perennial	Present	insects	Generalist	4
Crested fern (<i>Dryopteris cristata</i>)	45	●	SC	Perennial	Present	wind, water	Generalist	0
Marsh bellflower (<i>Campanula aparinoides</i>)	43	●	UNK	Perennial	Present	insects	Generalist	3
Northern bugleweed (<i>Lycopus uniflorus</i>)	38	●	SC	Perennial	Weakly	insects	Generalist	2
Marsh St. John's wort (<i>Triadenum fraseri</i>)	33	●	UNK	Perennial	Present	insects	Generalist	3
Water horsetail (<i>Equisetum fluviatile</i>)	33	●●	SC	Perennial	Present	wind, water	Generalist	0
Northern blue flag (<i>Iris versicolor</i>)	31	●	SC and SI	Perennial	Present	insects	Somewhat specific insect	4
Linear-leaved, Marsh, or Downy willow-herb*	29	●	Varies	Perennial	Present	insects	Generalist	3
Great water dock (<i>Rumex orbiculatus</i>)	26	●	UNK	Perennial	UNK	wind	Generalist	0
Three-leaved false Solomon's seal (<i>Smilacina trifolia</i>)	26	●	UNK	Perennial	Present	insects	Early spring insect	4
Dwarf raspberry (<i>Rubus pubescens</i>)	26	●	SC	Perennial	Present	insects	Generalist	2
Wild calla (<i>Calla palustris</i>)	21	●	A	Perennial	Present	insects	Somewhat specific insect	3
Marsh skullcap (<i>Scutellaria galericulata</i>)	21	●	SC	Perennial	Present	insects	Somewhat specific insect	3
Round-leaved sundew (<i>Drosera rotundifolia</i>)	21	●	SC	Perennial	Absent	insects	Generalist	3
Arrow-leaved tearthumb (<i>Polygonum sagittatum</i>)	21	●	UNK	Annual	Absent	insects	Generalist	5
Bog goldenrod (<i>Solidago uliginosa</i>)	19	●	SI	Perennial	Present	insects	Generalist	4
Red-stemmed aster (<i>Aster puniceus</i>)	19	●	SI	Perennial	Present	insects	Generalist	4
Bulb-bearing water hemlock (<i>Cicuta bulbifera</i>)	17	●	UNK	Perennial	Absent	insects	Generalist	4
Water smartweed (<i>Polygonum amphibium</i>)	12	●	Ge	Perennial	Present	insects	Generalist	2
Sensitive fern (<i>Onoclea sensibilis</i>)	12	●	SC	Perennial	Present	wind, water	Generalist	0
Bog aster (<i>Aster borealis</i>)	12	●	UNK	Perennial	Present	insects	Generalist	3
Cinnamon fern (<i>Osmunda cinnamomea</i>)	10	●	SC	Perennial	Present	wind, water	Generalist	0
Spinulose shield fern (<i>Dryopteris carthusiana</i>)	10	●	SC	Perennial	Present	wind, water	Generalist	0
Bur marigold and Beggarticks (<i>Bidens</i> spp.)	10	●●	Varies	Varies	Varies	insects	Generalist	Varies
Spotted Joe pye weed (<i>Eupatorium maculatum</i>)	10	●●	UNK	Perennial	Present	insects	Generalist	3
Grasses and Sedges								
Bluejoint (<i>Calamagrostis canadensis</i>)	79	●●●	A	Perennial	Present	wind	Generalist	0
Lake sedge (<i>Carex lacustris</i>)	62	●●●	UNK	Perennial	Present	wind	Generalist	0
Beaked sedge (<i>Carex utriculata</i>)	38	●●●	UNK	Perennial	Present	wind	Generalist	0
Fen wiregrass sedge (<i>Carex lasiocarpa</i>)	36	●●	SI	Perennial	Present	wind	Generalist	0
Tussock sedge (<i>Carex stricta</i>)	26	●●●	UNK	Perennial	Present	wind	Generalist	0
Silvery sedge (<i>Carex canescens</i>)	17	●	UNK	Perennial	Present	wind	Generalist	0
Rattlesnake grass (<i>Glyceria canadensis</i>)	17	●●	UNK	Perennial	Present	wind	Generalist	0
Brownish sedge (<i>Carex brunnescens</i>)	14	●●●	UNK	Perennial	Present	wind	Generalist	0
Creeping sedge (<i>Carex chordorrhiza</i>)	14	●	UNK	Perennial	Present	wind	Generalist	0

Poor sedge (<i>Carex paupercula</i>)	14	●	UNK	Perennial	Present	wind	Generalist	0
Interior sedge (<i>Carex interior</i>)	12	●●	UNK	Perennial	Present	wind	Generalist	0
Soft-leaved sedge (<i>Carex disperma</i>)	12	●	UNK	Perennial	Present	wind	Generalist	0
Low Shrubs								
Leatherleaf (<i>Chamaedaphne calyculata</i>)	88	●●●●	SC	Perennial	Present	insects	Early spring insect, Somewhat specific insect	3
Labrador tea (<i>Ledum groenlandicum</i>)	36	●●	SC	Perennial	Present	insects	Early spring insect	3
Small cranberry (<i>Vaccinium oxycoccos</i>)	31	●●	± SC	Perennial	Present	insects	Somewhat specific insect, Facultative buzz pollination	3
Bog rosemary (<i>Andromeda glaucophylla</i>)	19	●	SC	Perennial	Present	insects	Somewhat specific insect	3
Sweet gale (<i>Myrica gale</i>)	14	●●●●	D	Perennial	Present	insects	Early spring insect	5
Bog laurel (<i>Kalmia polifolia</i>)	12	●	SC	Perennial	Present	insects	Early spring insect, Somewhat specific insect	3
Tall Shrubs								
Speckled alder (<i>Alnus incana</i>)	81	●●●	Di	Perennial	Present	wind	Generalist	0
Bog birch (<i>Betula pumila</i>)	71	●●●●	Di	Perennial	Present	wind	Generalist	0
Balsam willow (<i>Salix pyrifolia</i>)	50	●	D	Perennial	Present	insects	Early spring insect	5
Bog willow (<i>Salix pedicellaris</i>)	45	●	D	Perennial	Present	insects	Early spring insect	5
Slender willow (<i>Salix petiolaris</i>)	45	●●	D	Perennial	Present	insects	Early spring insect	5
Meadowsweet (<i>Spiraea alba</i>)	43	●	SC	Perennial	Present	insects	Generalist	2
Red-osier dogwood (<i>Cornus sericea</i>)	29	●	SI	Perennial	Present	insects	Generalist	4
Mountain fly honeysuckle (<i>Lonicera villosa</i>)	12	●	SC	Perennial	Weakly	insects	Somewhat specific insect	3
Diamond-leaved willow (<i>Salix planifolia</i>)	12	●	D	Perennial	Present	insects	Early spring insect	5
Steeplebush (<i>Spiraea tomentosa</i>)	10	●●●	SC	Perennial	Present	insects	Generalist	2
Autumn willow (<i>Salix serissima</i>)	10	●●	D	Perennial	Present	insects	Early spring insect	5
Bebb's willow (<i>Salix bebbiana</i>)	10	●	D	Perennial	Present	insects	Early spring insect	5
Pussy willow (<i>Salix discolor</i>)	10	●	D	Perennial	Present	insects	Early spring insect	5
Tree Canopy								
Tamarack	19	●●	SI	Perennial	Absent	wind	Generalist	0
Black spruce	12	●	UNK	Perennial	Absent	wind	Generalist	0
Red maple	-	-	D	Perennial	Absent	insects	Early spring insect	6
Paper birch	-	-	Di	Perennial	Present	wind	Generalist	0
White pine	-	-	SI	Perennial	Absent	wind	Generalist	0
Balsam fir	-	-	UNK	Perennial	Absent	wind	Generalist	0
Northern red oak	-	-	SI	Perennial	Present	wind	Generalist	0
Tree Understory								
Tamarack	36	●●	SI	Perennial	Absent	wind	Generalist	0
Black spruce	40	●	UNK	Perennial	Absent	wind	Generalist	0
Red maple	31	●	D	Perennial	Absent	insects	Early spring insect	6
Paper birch	29	●	Di	Perennial	Present	wind	Generalist	0
White pine	21	●	SI	Perennial	Absent	wind	Generalist	0
Balsam fir	21	●	UNK	Perennial	Absent	wind	Generalist	0
Northern red oak	10	●	SI	Perennial	Present	wind	Generalist	0

Balsam fir	21	●	UNK	Perennial	Absent	wind	Generalist	0
Northern red oak	10	●	SI	Perennial	Present	wind	Generalist	0

* Linear-leaved, Marsh, or Downy willow-herb (*Epilobium leptophyllum*, *E. palustre*, or *E. strictum*); **American, Purple-leaved, or Northern willow-herb (*Epilobium ciliatum*, *E. coloratum*, or *E. glandulosum*)