

APn91 Northern Poor Fen Pollinator Resources

Open Sphagnum peatlands with variable development of hummocks and hollows. Dominated either by fine-leaved sedges or low ericaceous shrubs. Present in small basins, on floating mats near lakes and ponds, and in large peatlands on glacial lake plains.

Examples of insect pollinators (and their associated host plants in parentheses) that use APn91 include:

Bees:

Andrena bradleyi (*Vaccinium*)

Andrena frigida (*Salix*)

Andrena sigmundi (*Salix*)

Osmia virga (*Vaccinium*)

Butterflies:

Boloria chariclea (*Salix*)

Erynnis icelus (*Salix*)

Tharsalea epixanthe (*Vaccinium oxycoccos*)

Moths:

Acleris oxycoccana (*Chamaedaphne calyculata*)

Apantesis speciosa (*Scheuchzeria palustris*)

Hyalophora columbia (*Larix laricina*)



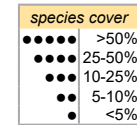
Andrena frigida uses *Salix* (willow) species as a host plant. Photo: Michael Veit



Tharsalea epixanthe (Bog Copper) uses *Vaccinium* (blueberry, cranberry) species as a host plant. Photo: Bob Dunlap

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APn91 Class Factsheet. Based on 180 plots. November, 2024



Forbs	species frequency in NPC (%)	species cover (when present)	Compatibility	Longevity	Clonality	Principal Pollen Vector	Pollinator requirements	Pollination Index
Pitcher plant (<i>Sarracenia purpurea</i>)	54	●	SC	Perennial	Present	insects	Generalist	2
Round-leaved sundew (<i>Drosera rotundifolia</i>)	52	●	SC	Perennial	Absent	insects	Generalist	3
Three-leaved false Solomon's seal (<i>Smilacina trifolia</i>)	32	●	UNK	Perennial	Present	insects	Early spring insect	4
Buckbean (<i>Menyanthes trifoliata</i>)	28	●	H	Perennial	Present	insects	Early spring insect	5
Water horsetail (<i>Equisetum fluviatile</i>)	14	●	SC	Perennial	Present	wind, water	Generalist	0
Spatulate-leaved sundew (<i>Drosera intermedia</i>)	14	●	SC	Perennial	Absent	insects	Generalist	3
Marsh cinquefoil (<i>Potentilla palustris</i>)	11	●	SC	Perennial	Present	insects	Generalist	2
Grasses and Sedges								
Scheuchzeria (<i>Scheuchzeria palustris</i>)	51	●●	UNK	Perennial	Present	wind	Generalist	0
Fen wiregrass sedge (<i>Carex lasiocarpa</i>)	50	●●●●	SI	Perennial	Present	wind	Generalist	0
Candle-lantern sedge (<i>Carex limosa</i>)	43	●●	UNK	Perennial	Present	wind	Generalist	0
Bog wiregrass sedge (<i>Carex oligosperma</i>)	42	●●●	UNK	Perennial	Present	wind	Generalist	0
White beak rush (<i>Rhynchospora alba</i>)	32	●●●	UNK	Perennial	Absent	wind	Generalist	0
Tussock cottongrass (<i>Eriophorum vaginatum</i>)	30	●●●	UNK	Perennial	Present	wind	Generalist	0
Creeping sedge (<i>Carex chordorrhiza</i>)	26	●●	UNK	Perennial	Present	wind	Generalist	0
Tawny cottongrass (<i>Eriophorum virginicum</i>)	21	●●	UNK	Perennial	Present	wind	Generalist	0
Beaked sedge (<i>Carex utriculata</i>)	18	●●	UNK	Perennial	Present	wind	Generalist	0
Few-fruited sedge (<i>Carex pauciflora</i>)	16	●●	UNK	Perennial	Present	wind	Generalist	0
Poor sedge (<i>Carex paupercula</i>)	14	●	UNK	Perennial	Present	wind	Generalist	0
Low Shrubs								
Leatherleaf (<i>Chamaedaphne calyculata</i>)	98	●●●●	SC	Perennial	Present	insects	Early spring insect, Somewhat specific insect	3
Small cranberry (<i>Vaccinium oxycoccos</i>)	79	●●	± SC	Perennial	Present	insects	Somewhat specific insect, Facultative buzz pollination	3
Bog rosemary (<i>Andromeda glaucophylla</i>)	71	●●	SC	Perennial	Present	insects	Somewhat specific insect	3
Bog laurel (<i>Kalmia polifolia</i>)	65	●	SC	Perennial	Present	insects	Early spring insect, Somewhat specific insect	3
Labrador tea (<i>Ledum groenlandicum</i>)	33	●●●	SC	Perennial	Present	insects	Early spring insect	3
Tall Shrubs								
Bog birch (<i>Betula pumila</i>)	44	●●●	Di	Perennial	Present	wind	Generalist	0
Speckled alder (<i>Alnus incana</i>)	14	●●	Di	Perennial	Present	wind	Generalist	0
Bog willow (<i>Salix pedicellaris</i>)	14	●	D	Perennial	Present	insects	Early spring insect	5
Tree Canopy								
Tamarack	17	●	SI	Perennial	Absent	wind	Generalist	0
Black spruce	14	●	UNK	Perennial	Absent	wind	Generalist	0
Paper birch	-	-	Di	Perennial	Present	wind	Generalist	0
White pine	-	-	SI	Perennial	Absent	wind	Generalist	0
Tree Understory								
Tamarack	59	●●	SI	Perennial	Absent	wind	Generalist	0
Black spruce	50	●●	UNK	Perennial	Absent	wind	Generalist	0

Paper birch	16	•	Di	Perennial	Present	wind	Generalist	0
White pine	12	•	SI	Perennial	Absent	wind	Generalist	0