

A NATURE PRESERVE ETHIC

Walk Quietly

So as not to disturb others—humans or other animals.

Pick No Flowers

So they may form seeds and so others may enjoy their beauty.
Also, pick no other plant parts.

Tread Lightly

Stay on trails or in designated study areas. Avoid stepping on plants.

Respect all living things

Do not disturb wildlife or their homes.

Take only memories

Leave only footprints.
Do not collect anything, except litter.



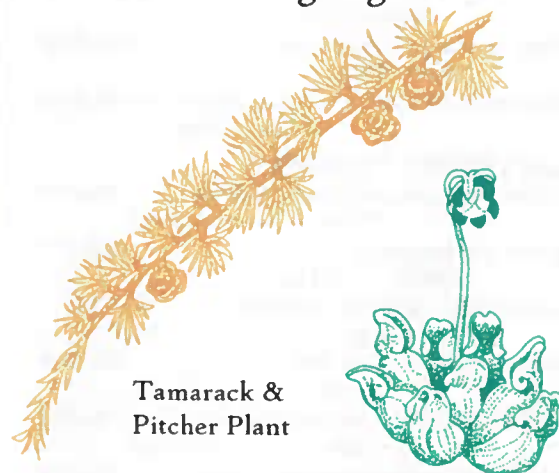
Illinois Nature Preserve
Everything is protected by law!

Plants in VBSNA's Herbarium
were collected under permit from the
Illinois Nature Preserves Commission.

A Checklist of Selected

Plants of Volo Bog

and surrounding vegetational zones



Tamarack &
Pitcher Plant

VOLO BOG State Natural Area

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An Illinois Department of Natural Resources Site
Brochure developed and designed by
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Plants of Volo Bog

Volo Bog is Illinois' only remaining open-water quaking bog. It is also the southernmost open-water quaking bog in North America to still have all stages of bog succession - from the open pond in the middle, to the marsh moat surrounding it in the outer periphery. These unique wetlands provide habitat to over 150 plant species, many near the southern limits of their range.

This list includes 125 of those species found in Volo Bog and its surrounding marsh. It does not include the diversity of plants found in other marshlands, woodlands, prairie restorations & gardens, and the old-field transitional communities that comprise Volo Bog State Natural Area.

Names, Dates, OBL/FAC/UPL, & C Values

Most species listed are in VBSNA's herbarium where names may differ. Information is based primarily on *Flora of the Chicago Region* by Wilhelm & Renick, © 2017 with older Latin names from *Plants of the Chicago Region*, by Swink & Wilhelm, © 1994 noted in (). The user of this list is referred to the newer publication for more detailed explanation & information. Ask about reserving time with the herbarium.

Bloom dates are presented here in a flowing manner with the first bloom date for each plant lined up in relation to each other within the calendar year. This is intended to assist the observer in seeing, at a glance, what may be expected to be in bloom at any given time. For a few plants, bloom dates were not available and are noted "NA."

OBL/FAC/UPL are designations that indicate a plant's wetland status. OBL plants are obligated to living in wetlands. Facultative, FAC, is more flexible with FACW tending toward wetland preferences. UPL is upland.

C=Coefficient of Conservatism reflects how restricted a plant is to a particular habitat. Higher values are more restricted. Notice how many score high!

* = a non-native (introduced) species, thus has no C-value.

Plant Groupings

The plants are arranged in major groups:

- Spore-bearing plants (mosses, horsetails & ferns)
- Grasses, sedges & rushes
- Flowering herbaceous plants by color
- Trees & shrubs

Within each major group, plants are ordered alphabetically by scientific name but presented with common name(s) first in order to be user-friendly. Of course, sphagnum moss, the building block of bogs, must lead us off.

For pictures...

Seasonal Trail Guides of Volo Bog provide sketches of many of the plants listed here. When looking up a plant on the internet, it is recommended that the scientific (Latin) name be used.

SPORE-BEARING PLANTS

Sphagnum moss, <i>Sphagnum</i> sp.	Various species set spores in
□	June & July
Marsh Horsetail, <i>Equisetum fluviatile</i> ,	OBL, C=8
□	26 June
Crested Wood Fern, <i>Dryopteris cristata</i>	CBL, C=10
□	7May—13Nov
Spinulose Fern, <i>Dryopteris carthusiana</i> (<i>spinulosa</i>) [FAC],	C=7
□	28May—17Nov
Marsh Fern, <i>Thelypteris palustris</i> , v. <i>pubescens</i>	OBL, C=7
□	5Aug—11Oct
Sensitive Fern, <i>Onoclea sensibilis</i>	[OBL], C=5
□	3Sep-7Oct
Cinnamon Fern, <i>Osmundastrum cinnamomeum</i>	FACW, C=8
□	8May-3.June
Royal Fern, <i>Osmunda spectabilis</i> , <i>O. regalis</i>	OBL, C=8
□	26May—9July

GRASSES, SEDGES & RUSHES

Tickle Grass, <i>Agrostis hyemalis</i>	FAC, C=3
□	26May—10July
Blue Joint Grass, <i>Calamagrostis canadensis</i>	OBL, C=6
□	6-30 June
Gray Bog Sedge, <i>Carex canescens</i>	OBL, C=10
□	29Ap—22May
Cordroot Sedge, <i>Carex chordorrhiza</i>	OBL, C=10
□	10-20May
Bristly Sedge, Bottlebrush Sedge <i>Carex comosa</i>	OBL, C=5
□	24May—23June
Crested Oval Sedge, <i>Carex cristellata</i>	[OBL], C=4
□	30May-29June
Two-seeded (Soft-leaf) Sedge, <i>Carex disperma</i>	OBL, C=10
□	NA
Common Lake Sedge, <i>Carex lacustris</i>	OBL, C=5
□	3May—5June
Bog Woolly Sedge, <i>Carex lasiocarpa americana</i>	OBL, C=10
□	17-27 May
Slender Sedge, <i>Carex leptalea</i>	CBL, C=10
□	10-28May
Lance-fruited Oval Sedge, <i>Carex scoparia</i>	FACW, C=5
□	18May-19June
Common Fox Sedge, <i>Carex stipata</i>	OBL, C=4
□	28April-30May
Common Tussock Sedge, <i>Carex stricta</i>	OBL, C=5
□	26April-1June
Three-seeded Bog Sedge, <i>Carex trisperma</i>	CBL, C=10
□	17-24May
Red-rooted Nut Sedge, <i>Cyperus erythrorhizos</i>	OBL, C=2
□	27July—26Sep

GRASSES, SEDGES & RUSHES CONTINUED

Brook Nut Sedge, <i>Cyperus rivularis</i> , <i>C. bipartitus</i>	FACW, C=3
□ 27July—25Sep	
Three-way Sedge, <i>Dulichium arundinaceum</i>	OBL, C=10
□ 10July—25Aug	
Red-rooted Spike Rush, <i>Eleocharis erythropoda</i>	OBL, C=1
□ 11May—19June	
Rusty Cotton Grass (a sedge), <i>Eriophorum virginicum</i>	OBL, C=10
□ 14July-11Aug	
Sharp-fruited Spikerush, <i>Juncus acuminatus</i>	OBL, C=4
□ 30May—6Aug	
Rice Cut Grass, <i>Leersia oryzoides</i>	OBL, C=3
□ 25July—18Sep	
* Reed Canary Grass, <i>Phalaris arundinacea</i>	FACW
□ 18May—5July	
Marsh Blugrass, <i>Poa palustris</i>	[OBL], C=7
□ 16May—20July	
Dark Green Rush, <i>Scirpus atrovirens</i>	OBL, C=4
□ 2June—1Aug	
Great Bulrush, <i>Schoenoplectus tabernaemontani</i>	OBL, C=3
□ 22May—23Aug	
Wool Sedge, <i>Scirpus cyperinus</i>	OBL, C=6
□ 23June—10Sep	
Common Bur-reed, <i>Sparganium eurycarpum</i>	OBL, C=5
□ 27May—24Aug	
* Narrow-leaved Cattail, <i>Typha angustifolia</i>	OBL
□ 10June-11July	
Broad-leaved Cattail, <i>Typha latifolia</i>	OBL, C=5
□ 10June-11July	
* Hybrid Cattail, <i>Typha x glauca</i>	OBL
□ 26June-11July	

WHITE FLOWERS

Water Plantain, <i>Alisma subcordatum</i>	OBL, C=3
□ 9July—6Sep	
Bulb-bearing (Wispy) Water Hemlock, <i>Cicuta bulbifera</i>	OBL, C=8
□ 25July—31Aug	
Water Hemlock, <i>Cicuta maculata</i>	OBL, C=6
□ 6June—10Oct	
Dodder, <i>Cuscuta gronovii</i>	[FACW], C=5
□ 31July—11Oct	
Wild Cucumber, <i>Echinocystis lobata</i>	FACW, C=4
□ 29July—3Oct	
Boneset, <i>Eupatorium perfoliatum</i>	OBL, C=4
□ 22July—1Oct	
Marsh Bedstraw, <i>Galium tinctorium</i>	OBL, C=8
□ 22June—3Oct	
Northern Bugleweed, <i>Lycopus uniflorus</i>	OBL, C=4
□ 30July—21Sep	
American Bugleweed, <i>Lycopus americanus</i>	OBL, C=4
□ 5July—25Sept	
Bog Buckbean, <i>Menyanthes trifoliata</i>	OBL, C=10
□ 9May—24July	

Ghost Pipe, <i>Monotropa uniflora</i> (actually colorless)	C=10
□ 21June—20Sep	[FACU] ^a
Water Pepper, <i>Persicaria punctata</i>	OBL, C=4
□ 6Aug—21Sep	
Arrow-leaved Tear-thumb, <i>Tracaulon sagittatum</i>	OBL, C=7
□ 24July—22Sep	
Common Arrowhead, <i>Sagittaria latifolia</i>	OBL, C=3
□ 22June—8Sep	
Water Parsnip, <i>Sium suave</i>	OBL, C=7
□ 17July—19Sep	
Rush-leaved Aster, <i>Symphyotrichum boreale</i>	OBL, C=10
□ 7Aug—4Oct	
Starflower, <i>Trientalis borealis</i>	FAC, C=10
□ 30Ap—14June	
Smooth White Violet, <i>Viola pallens</i>	OBL, C=10
□ 22Apr—1June	

YELLOW and ORANGE FLOWERS

Nodding Bur-marigold, <i>Bidens cernua</i>	OBL, C=3
□ 17June—8Oct	
Tall Swamp Marigold, <i>Bidens (coronata) trichosperma</i>	OBL, C=8
□ 23June—2Oct	
Marsh Marigold, <i>Caltha palustris</i>	OBL, C=8
□ 12Mar—10June	
Jewelweed, Touch-me-not, <i>Impatiens campensis</i>	FACW, C=4
□ 17June—26Sep	
Pale Touch-me-not, <i>Impatiens pallida</i>	FACW, C=6
□ 3July—26 Sep	
Swamp Candles, <i>Lysmachia terrestris</i>	OBL, C=8
□ 21June—12Aug	
Tufted Loosestrife, <i>Lysmachia thrysiflora</i>	OBL, C=8
□ 26May-25June	
Yellow Water-buttercup, <i>Ranunculus flabellaris</i>	OBL, C=5
□ 27Apr—16July	
Bristly Buttercup, <i>Ranunculus pensylvanicus</i>	OBL, C=5
□ 5July—6Sep	
Cursed Buttercup, <i>Ranunculus sceleratus</i>	OBL, C=4
□ 4May—11Sep	
Humped Bladderwort, <i>Utricularia gibba</i>	OBL, C=8
□ 2July—18Sep	
Great Bladderwort, <i>Utricularia (vulgaris) macrorrhiza</i>	OBL, C=5
□ 26May—13 Sep	

PINK and RED FLOWERS

Small-flowered Gerardia, <i>Agalinis (Gerardia) paupercula</i>	OBL, C=9
□ 1Aug—9Oct	
Swamp Milkweed, <i>Asclepias incarnata</i>	OBL, C=3
□ 15June—2Sep	
Water Shield, <i>Brasenia shreberi</i>	OBL, C=10
□ 29Jun-26July	
Marsh Cinquefoil, <i>Comarum palustre (Potentilla palustris)</i>	OBL, C=10
□ 8June-26Jul	

Cinnamon Willowherb, <i>Epilobium coloratum</i>	OBL, C=3
□ 26June—17Sep	
Fen Willowherb, <i>Epilobium leptophyllum</i>	OBL, C=10
□ 26July—22Sep	
Downy Willowherb, <i>Epilobium strictum</i>	OBL, C=10
□ 10July—19Sep	
Spotted Joe Pye Weed, <i>Eutrochium maculatum</i>	OBL, C=5
□ 18June—1Oct	
Marsh Mint, <i>Mentha (arvensis) canadensis</i>	OBL, C=5
□ 9July—25Sep	
Ditch Stonecrop, <i>Penthorum sedoides</i>	OBL, C=4
□ 21June—3Oct	
Marsh Smartweed, <i>Persicaria (Polygonum) amphibium</i>	OBL, C=4
□ 10June—1Oct	
Mild Water Pepper, <i>Persicaria (Polygonum) hydropiperoides</i>	OBL, C=6
□ 19July—3Oct	
Pale Pinkweed, <i>Persicaria (Polygonum) lapathifolia</i>	[FAC], C=0
□ 29June—8Oct	
Rose Pogonia, <i>Pogonia ophioglossoides</i>	OBL, C=10
□ 8June-8July	
Pitcher Plant, <i>Sarracenia purpurea</i>	OBL, C=10
□ 21May-8Jun	
Bog St. John's Wort, <i>Triadenum (Hypericum) virginicum</i>	OBL, C=10
□ 31July—4Sep	

BLUE and VIOLET FLOWERS

Marsh Bellflower, <i>Campanula aparinoides</i>	OBL, C=9
□ 25June—19Sep	
Blue Flag Iris, <i>Iris virginica</i>	OBL, C=5
□ 18May—21Jul	
*Purple Loosestrife, <i>Lythrum salicaria</i>	[FACW]
□ 8June—1Oct	
Pickernelweed, <i>Pontederia chordata</i>	OBL, C=9
□ 20June—15Sep	
Marsh Skullcap, <i>Scutellaria (epilobifolia) galericulata</i>	OBL, C=5
□ 12June—25Sep	
Mad-dog Skullcap, <i>Scutellaria lateriflora</i>	OBL, C=4
□ 27June—25Sep	
*Bittersweet (Deadly) Nightshade, <i>Solanum dulcamara</i>	FAC
□ 26May—25Oct	
Blue Vervain, <i>Verbena hastata</i>	FACW, C=4
□ 29June—19Sep	

BROWN, GREEN and INCONSPICUOUS FLOWERS

Swamp Tickseed, <i>Bidens comosa</i>	OBL, C=3
□ 3Sep—11Oct	
Purple-stemmed Tickseed, <i>Bidens connata</i>	OBL, C=4
□ 4Sept-3Oct	
Swamp False Nettle, <i>Boehemaria cylindrica</i>	OBL, C=5
□ 7July—2Sep	
Wild Madder, <i>Galium obtusum</i>	OBL, C=5
□ 18May—9Aug	
Stiff Bedstraw, <i>Galium tinctorium</i>	OBL, C=8
□ 22June—3Oct	
Green (Small) Duckweed, <i>Lemna minor</i>	OBL, C=5
□ 29July	

Forked Duckweed, <i>Lemna trisculca</i>	OBL, C=5
□ 22May	
Bog Clearweed, <i>Pilea fontana</i>	[OBL], C=7
□ 22Aug—11Oct	
Clearweed, <i>Pilea pumila</i>	FACW, C=2
□ 28July—3Oct	
Great Water Dock, <i>Rumex orbiculatus</i>	OBL, C=8
□ 29May—3Sep	
Great Duckweed, <i>Spirodela polyrrhiza</i>	OBL, C=4
□ NA	
TREES and SHRUBS	
Black Chokeberry, <i>Aronia melanocarpa</i>	FAC, C=7
□ 12May-15Jun	
Bog Birch, Dwarf Birch, <i>Betula pumila</i>	OBL, C=10
□ 26Ap-20May	
Yellow Birch, <i>Betula alleghaniensis</i>	OBL, C=10
□ 10Ap—24May	
Leatherleaf, <i>Chamaedaphne calyculata</i>	OBL, C=10
□ 20April—8Jun	
Red Osier Dogwood, <i>Cornus (stolonifera) sericea</i>	FACW, C=5
□ 4May—25Sep	
Blue-fruited (Silky) Dogwood, <i>Cornus (anonymum) obliqua</i>	[OBL], C=5
□ 14May—12Jul	
*Glossy Buckthorn, <i>Frangula alnus</i>	FACW
□ 12May—4Sep	
Winterberry (Holly), <i>Ilex verticillata</i>	[OBL], C=10
□ 13-30June	
Tamarack, Hackmatack, Eastern Larch, <i>Larix laricina</i>	OBL, C=10
□ 18Apr-24May	
Large Cranberry, <i>Oxycoccus macrocarpos</i>	OBL, C=10
□ 15Jun—9Aug	
*Black Spruce, <i>Picea mariana</i>	FACW
□ NA (probably introduced)	
Wild Black Currant, <i>Ribes americanum</i>	FACW, C=4
□ 8April—5Jun	
Bebb's Willow, Beaked Willow, <i>Salix bebbiana</i>	FACW, C=9
□ 22Mar—2Jun	
Hoary Willow, Sage Willow, <i>Salix candida</i>	OBL, C=10
□ 25Apr-27May	
Pussy Willow, <i>Salix discolor</i>	FACW, C=3
□ 1Apr-10May	
*Crack Willow, <i>Salix fragilis</i>	FAC
□ 26April	
Little Bog Willow, <i>Salix pedicellaris</i>	OBL, C=10
□ 7-25May	
Meadow (Petioled) Willow, <i>Salix petiolaris</i>	FACW, C=7
□ 20Apr-24May	
Heart-leaved Willow, <i>Salix eriocephala</i>	FACW, C=5
□ 7Apr—18May	
Elderberry, <i>Sambucus canadensis</i>	FACW, C=4
□ 2June—27Aug	
Meadowsweet, <i>Spiraea alba</i>	FACW, C=5
□ 14June—13Sep	
Poison Sumac, <i>Toxicodendron vernix</i>	OBL, C=10
□ 8-23June	
Highbush Blueberry, <i>Vaccinium corymbosum</i>	FACW, C=8
□ 29Ap-18May	