

INTRODUCTION TO ORCHIDS OF ILLINOIS

I. Introduction

A. Second Largest Family in World – ~22,000-35,000 species

B. Subfamilies - Orchidaceae characteristics

1. Cypripedioideae – fertile anthers 2
2. Orchidoideae – fertile anthers 1
3. Epidendroideae –
4. Vanilloideae -

C. General floral morphology, biology

II. Illinois Orchids

A. Total of 49 taxa credited for ILL including 2 hybrids

- 9 are extirpated
- 1 alien
- 19 listed T&E (50% of remaining native taxa)

B. Distribution of orchids in Illinois

- A. prairie peninsula
- B. Glacial Geology - soils influence dist of some spp

C. Introduction of Illinois orchids by habitat (44 of 49 taxa)

Lake Michigan Region: Sand Deposits/Peaty Sand

E	<i>Platanthera ciliaris</i>	orange fringed orchid
E	<i>Calopogon tuberosus</i>	grass pink orchid
E	<i>Platanthera clavellata</i>	wood orchid
T	<i>Platanthera flava</i> var. <i>herbiola</i>	tuberculed orchid
*	<i>Platanthera hookeri</i>	Hooker's orchid

Bogs (acid to circumneutral peatlands)

E	<i>Pogonia ophioglossoides</i>	snake-mouth orchid
*	<i>Corallorhiza trifida</i>	pale coral root

Fens (circumneutral to calcareous peatlands)

	<i>Platanthera hyperborea</i> var. <i>huronensis</i>	green orchid
*	<i>Platanthera dilatata</i>	white bog orchid, swamp candles
E	<i>Cypripedium parviflorum</i>	small yellow lady-slipper
T	<i>Cypripedium candidum</i>	white lady-slipper
	<i>Cypripedium</i> x <i>andrewsii</i>	Andrew's lady-slipper
E	<i>Cypripedium reginae</i>	showy lady-slipper
	<i>Liparis loeselii</i>	lesser twayblade
*	<i>Spiranthes romanzoffiana</i>	hooded lady's tresses

Acid Woodlands

	<i>Goodyera pubescens</i>	rattlesnake plantain
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	<i>Coeloglossum viride</i>	bracted green orchid
E	<i>Cypripedium acaule</i>	moccasin flower
T	<i>Corallorhiza maculata</i>	spotted coral-root
	<i>Corallorhiza wisteriana</i>	spring coral-root
<u>Northern Forest/Woodland Communities</u>		
	<i>Corallorhiza odontorhiza</i>	fall coral-root
*	<i>Malaxis unifolia</i>	adder's mouth orchid
	<i>Epipactis helleborine</i>	helleborine (adventive)
<u>Black-Soil Prairie</u>		
FT	<i>Platanthera leucophaea</i>	Eastern prairie fringed orchid
T	<i>Cypripedium candidum</i>	white lady-slipper
	<i>Platanthera lacera</i>	green fringed orchid
*	<i>Platanthera blephariglottis</i>	white fringed orchid
<u>Loess-Bluff Hill Prairie</u>		
	<i>Spiranthes magnicamporum</i>	fragrant-scented ladies
	<i>Spiranthes cernua</i>	nodding ladies' tresses
E	<i>Spiranthes vernalis</i>	spring ladies' tresses
E	<i>Hexalectris spicata</i>	crested coral-root
<u>Forest/Woodland Communities Statewide/Southern</u>		
	<i>Cypripedium pubescens</i>	large lady-slipper
	<i>Liparis liliifolia</i>	twayblade orchid
	<i>Aplectrum hyemale</i>	putty-root orchid
	<i>Tipularia discolor</i>	crane-fly orchid
	<i>Galearis spectabilis</i>	showy orchis
	<i>Triphora trianthophora</i>	nodding pogonia, 3-bird orchid
	<i>Spiranthes ovalis</i>	ladies' tresses
	<i>Spiranthes lacera</i>	slender ladies' tresses
	<i>Spiranthes gracilis</i>	slender ladies' tresses
E*	<i>Isotria medeoloides</i>	small whorled pogonia
E	<i>Isotria verticillata</i>	whorled pogonia
E	<i>Platanthera flava</i> var. <i>flava</i>	tubercled orchid
	<i>Platanthera peramoena</i>	purple fringeless orchid

E = State Endangered

T = State Threatened

* = Probably Extirpated from Illinois

EE = Federally and State-listed as Endangered

FT = Federally listed as Threatened

11 January 2016