

# **Appendix D: Species Lists**



## Appendix D: Species Lists, Crab Orchard NWR

This bird list contains 220 species which have been recorded on the refuge. Another 40 species, very rare or accidental and out of their normal range, are listed under “Accidental” birds. This list is based on: U.S. Fish and Wildlife Service. 1994. Birds of Crab Orchard National Wildlife Refuge, Illinois.

### Bird Species Found on Crab Orchard NWR

Species	Sp	S	F	W
# – irruptive species seen only during invasion years (2-10 year intervals)				
* – nests on refuge				
Sp – March-May				
S – June-August				
F – September-November				
W – December-February				
a – abundant: common species that is very numerous				
c – common: certain to be seen in suitable habitat				
u – uncommon: present but not certain to be seen				
o – occasional: seen only a few times during a season				
r – rare: seen only once or twice a year; some years not at all.				
LOONS	u	-	o	u
Common Loon				
GREBES	Sp	S	F	W
Pied-billed Grebe	u	-	c	c
Horned Grebe	c	-	c	o
Eared Grebe	o	-	-	o
CORMORANTS	Sp	S	F	W
Double-crested Cormorant	c	o	a	a
BITTERN, HERONS	Sp	S	F	W
American Bittern	o	-	r	-
Great Blue Heron	c	c	c	c
Great Egret	o	u	u	-
Little Blue Heron	u	u	u	-
Cattle Egret	o	u	o	-
Green Heron*	u	c	c	-
Black-crowned Night-Heron*	r	o	o	-
Yellow-crowned Night-Heron	r	-	o	-

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**Bird Species Found on Crab Orchard NWR**

Species	Sp	S	F	W
<b>SWANS, GEESE, DUCKS</b>	Sp	S	F	W
Tundra Swan (Whistling Swan)	o	r	u	u
Mute Swan	r	-	r	r
Greater White-fronted Goose	-	-	r	o
Snow Goose	o	-	u	u
Canada Goose*	c	u	a	a
Wood Duck	c	c	c	c
Green-winged Teal	o	-	o	r
American Black Duck	c	-	a	a
Mallard*	c	c	a	a
Northern Pintail	o	-	u	c
Blue-winged Teal	c	u	a	o
Northern Shoveler	a	o	a	c
Gadwall	a	-	a	a
American Wigeon	c	-	c	u
Canvasback	u	-	o	c
Redhead	a	-	u	o
Ring-necked Duck	a	-	a	a
Greater Scaup	r	-	r	-
Lesser Scaup	a	-	a	c
Common Goldeneye	c	-	o	a
Bufflehead	c	-	c	c
Hooded Merganser	c	-	a	a
Common Merganser	a	-	c	a
Red-breasted Merganser	a	-	c	o
Ruddy Duck	a	-	u	c
<b>VULTURES, HAWKS, FALCONS</b>	Sp	S	F	W
Turkey Vulture*	c	c	c	r
Osprey	o	r	o	r
Mississippi Kite	r	r	r	-
Bald Eagle*	u	u	c	c
Northern Harrier (Marsh Hawk)	o	r	o	o
Sharp-shinned Hawk	o	-	u	u
Cooper's Hawk*	u	u	u	o
Northern Goshawk	r	-	r	r
Red-shouldered Hawk*	c	u	u	c
Broad-winged Hawk*	o	u	u	o
Red-tailed Hawk*	c	c	c	c
Rough-legged Hawk	o	r	r	o
Golden Eagle	o	-	o	o

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### Bird Species Found on Crab Orchard NWR

Species	Sp	S	F	W
American Kestrel*	c	c	c	c
Merlin	r	-	r	r
GALLINACEOUS BIRDS	Sp	S	F	W
Wild Turkey*	c	c	c	c
Northern Bobwhite*	c	c	c	c
RAILS	Sp	S	F	W
Virginia Rail	r	r	r	-
Sora	o	-	o	-
American Coot	u	u	c	c
SHOREBIRDS	Sp	S	F	W
American Golden-Plover	c	-	u	-
Semipalmated Plover	c	-	o	-
Killdeer*	c	c	c	c
American Avocet	-	-	o	-
Greater Yellowlegs	c	-	u	-
Lesser Yellowlegs	c	u	c	-
Solitary Sandpiper	c	o	c	-
Willet	r	o	-	-
Spotted Sandpiper*	u	u	-	-
Semipalmated Sandpiper	u	-	u	-
Least Sandpiper	c	u	u	-
White-rumped Sandpiper	o	-	r	-
Pectoral Sandpiper	a	c	c	-
Stilt Sandpiper	r	-	u	-
Short-billed Dowitcher	o	-	c	-
Long-billed Dowitcher	o	-	o	-
Common Snipe	c	-	c	o
American Woodcock*	c	c	c	o
Wilson's Phalarope	o	r	o	-
GULLS, TERNS	Sp	S	F	W
Bonaparte's Gull	c	-	u	c
Ring-billed Gull	a	o	c	a
Herring Gull	c	-	u	c
Caspian Tern	r	-	r	-
Forster's Tern	o	-	r	-
Black Tern	o	r	u	-

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**Bird Species Found on Crab Orchard NWR**

Species	Sp	S	F	W
<b>DOVES</b>	Sp	S	F	W
Rock Dove	u	u	u	u
Mourning Dove	c	c	c	c
<b>CUCKOOS</b>	Sp	S	F	W
Black-billed Cuckoo	o	o	o	-
Yellow-billed Cuckoo	u	c	c	-
<b>OWLS</b>	Sp	S	F	W
Barn Owl	o	o	o	o
Eastern Screech-Owl*	u	u	u	u
Great Horned Owl*	c	c	c	c
Barred Owl*	c	c	c	c
Short-eared Owl	r	-	o	r
<b>GOATSUCKERS</b>	Sp	S	F	W
Common Nighthawk*	o	u	o	-
Chuck-will's-widow*	o	o	-	-
Whip-poor-will	u	u	o	-
<b>SWIFTS, HUMMINGBIRDS</b>	Sp	S	F	W
Chimney Swift*	c	c	c	-
Ruby-throated Hummingbird*	u	c	o	-
<b>KINGFISHERS</b>	Sp	S	F	W
Belted Kingfisher*	u	u	u	u
<b>WOODPECKERS</b>	Sp	S	F	W
Red-headed Woodpecker*	u	u	u	u
Red-bellied Woodpecker*	c	c	c	c
Yellow-bellied Sapsucker	o	-	o	r
Downy Woodpecker*	c	c	c	c
Hairy Woodpecker*	o	o	o	o
Northern Flicker (Common Flicker)*	c	c	c	c
Pileated Woodpecker*	o	o	o	o
<b>FLYCATCHERS</b>	Sp	S	F	W
Olive-sided Flycatcher	r	-	r	-
Eastern Wood-Pewee*	c	c	u	u
Yellow-bellied Flycatcher	r	-	r	-

### Bird Species Found on Crab Orchard NWR

Species	Sp	S	F	W
Acadian Flycatcher*	o	u	u	-
Alder Flycatcher*	r	-	r	-
Willow Flycatcher	r	-	r	-
Least Flycatcher	o	-	o	-
Eastern Phoebe*	e	c	e	o
Great Crested Flycatcher*	e	e	r	-
Eastern Kingbird*	e	c	o	-
<b>LARKS</b>	Sp	S	F	W
Horned Lark*	o	o	o	o
<b>SWALLOWS</b>	Sp	S	F	W
Purple Martin*	e	c	o	-
Tree Swallow*	e	e	e	-
Northern Rough-winged Swallow*	u	c	u	-
Bank Swallow	o	-	-	-
Cliff Swallow*	e	c	o	-
Barn Swallow*	e	e	u	-
<b>JAYS, CROWS</b>	Sp	S	F	W
Blue Jay*	a	a	a	a
American Crow*	e	e	e	-
Fish Crow	o	o	o	o
<b>CHICKADEES</b>	Sp	S	F	W
Carolina Chickadee*	e	e	e	e
Tufted Titmouse*	e	c	e	c
<b>NUTHATCHES</b>	Sp	S	F	W
Red-breasted Nuthatch	o	-	o	u
White-breasted Nuthatch	u	o	u	u
<b>CREEPERS</b>	Sp	S	F	W
Brown Creeper	o	-	o	o
<b>WRENS</b>	Sp	S	F	W
Carolina Wren*	e	c	e	u
House Wren*	e	e	e	-
Winter Wren	o	o	o	-
Sedge Wren	o	o	o	-
Marsh Wren	r	-	r	-

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**Bird Species Found on Crab Orchard NWR**

Species	Sp	S	F	W
<b>KINGLETS</b>	Sp	S	F	W
Golden-crowned Kinglet	u	-	u	u
Ruby-crowned Kinglet	u	-	u	u
Blue-gray Gnatcatcher*	e	c	o	-
<b>THRUSHES</b>	Sp	S	F	W
Eastern Bluebird*	e	e	e	e
Veery	o	-	r	-
Gray-cheeked Thrush	u	-	u	-
Swainson's Thrush	o	-	o	-
Hermit Thrush	o	-	u	r
Wood Thrush*	o	u	r	-
American Robin*	e	e	e	u
<b>THRASHERS</b>	Sp	S	F	W
Gray Catbird*	e	c	e	-
Northern Mockingbird*	e	e	e	e
Brown Thrasher*	e	c	e	o
<b>WAXWINGS</b>	Sp	S	F	W
Cedar Waxwing*	e	u	u	e
<b>SHRIKES</b>	Sp	S	F	W
Loggerhead Shrike	u	u	u	u
<b>STARLINGS</b>	Sp	S	F	W
European Starling*	a	a	a	a
<b>VIREOS</b>	Sp	S	F	W
White-eyed Vireo*	e	c	u	-
Bell's Vireo	r	r	-	-
Yellow-throated Vireo*	o	u	o	-
Warbling Vireo*	e	e	o	-
Red-eyed Vireo*	u	u	o	-
<b>WOOD WARBLERS</b>	Sp	S	F	W
Blue-winged Warbler	o	r	r	-
Golden-winged Warbler	o	r	-	r
Tennessee Warbler	u	-	o	-
Nashville Warbler	r	-	r	-



### Bird Species Found on Crab Orchard NWR

Species	Sp	S	F	W
Northern Parula*	c	c	u	-
Yellow Warbler*	o	o	-	-
Chestnut-sided Warbler	o	-	o	-
Magnolia Warbler	o	-	o	-
Cape May Warbler	r	-	r	-
Yellow-rumped Warbler	u	-	u	o
Black-throated Green Warbler	o	-	o	-
Blackburnian Warbler	o	r	r	-
Pine Warbler*	o	u	o	-
Prairie Warbler*	u	u	o	-
Palm Warbler	o	-	o	-
Bay-breasted Warbler	u	-	o	-
Blackpoll Warbler	u	-	r	-
Cerulean Warbler*	o	r	-	-
Black-and-white Warbler	o	r	o	-
American Redstart	o	r	o	-
Prothonotary Warbler*	u	u	r	-
Worm-eating Warbler	r	-	r	-
Ovenbird	o	r	r	-
Northern Waterthrush	o	-	o	-
Louisiana Waterthrush	u	u	r	-
Kentucky Warbler*	u	u	r	-
Common Yellowthroat*	c	c	c	r
Hooded Warbler	o	-	r	-
Wilson's Warbler	o	-	o	-
Canada Warbler	o	-	r	-
Yellow-breasted Chat*	u	u	o	-
<b>TANAGERS</b>	Sp	S	F	W
Summer Tanager*	u	u	o	-
Scarlet Tanager*	u	u	o	-
<b>SPARROWS</b>	Sp	S	F	W
Northern Cardinal*	a	a	a	a
Rose-breasted Grosbeak	o	-	o	-
Blue Grosbeak*	o	o	o	-
Indigo Bunting*	a	a	a	-
Dickeissel*	u	u	-	-
Rufous-sided Towhee*	c	c	c	u
American Tree Sparrow*	c	-	o	c
Chipping Sparrow*	u	u	o	-

**Bird Species Found on Crab Orchard NWR**

Species	Sp	S	F	W
Field Sparrow*	u	u	o	-
Savannah Sparrow	o	-	u	o
Grasshopper Sparrow*	o	o	r	-
Le Conte's Sparrow	o	-	o	u
Fox Sparrow	o	-	r	u
Song Sparrow*	u	o	o	e
Swamp Sparrow	u	-	u	u
White-throated Sparrow	e	-	e	e
White-crowned Sparrow	e	-	e	e
Dark-eyed Junco	a	-	e	a
MEADOWLARKS, BLACK-BIRDS, ORIOLES	Sp	S	F	W
Red-winged Blackbird*	e	e	a	e
Eastern Meadowlark*	e	e	e	e
Common Grackle*	e	e	a	e
Brown-headed Cowbird*	e	e	e	e
Orchard Oriole*	u	u	o	-
Baltimore Oriole*	u	u	o	-
FINCHES	Sp	S	F	W
House Finch	e	e	e	e
Purple Finch	e	-	u	e
Pine Siskin#	o	-	o	o
American Goldfinch*	e	e	e	e
Evening Grosbeak#	o	-	-	o
OLD WORLD SPARROWS	Sp	S	F	W
House Sparrow*	e	e	e	e

*Accidental Species:*

Least Bittern

Vermillion Flycatcher

Glossy Ibis

Scissor-tailed Flycatcher

Sandhill Crane

Bewick's Wren

Whooper Swan

Rock Wren

Trumpeter Swan

Water Pipit

Oldsquaw

Solitary Vireo

White-winged Scoter

Philadelphia Vireo

Black Vulture

Orange-crowned Warbler

Common Moorhen

Black-throated Blue Warbler

Black-bellied Plover  
Mourning Warbler  
Ruddy Turnstone  
Connecticut Warbler  
Dunlin  
Swainson's Warbler  
Sanderling  
Henslow's Sparrow  
Baird's Sandpiper  
Vesper Sparrow  
Upland Sandpiper  
Lark Sparrow  
Franklin's Gull  
Lincoln's Sparrow  
Laughing GullLapland Longspur  
Black-headed Gull  
Pine Grosbeak  
Sabine's Gull  
Red Crossbill  
Least Tern  
Rusty Blackbird

## Potential Reptile and Amphibian Check List for Crab Orchard National Wildlife Refuge

Common Name	Scientific Name	Class	Residence	Status on Refuge	Habitat
<b>Salamanders</b>					
spotted salamander	<i>Ambystoma maculatum</i>	A	B, W	U	W, BF, UF
marbled salamander	<i>Ambystoma opacum</i>	A	B, W	U	W, BF
smallmouth salamander	<i>Ambystoma texanum</i>	A	B, W	U	W, BF
tiger salamander	<i>Ambystoma tigrinum</i>	A	B, W	U	W, UF, BF
eastern newt	<i>Notophthalmus viridescens</i>	A	B, W	U	W, BF
northern slimy salamander	<i>Plethodon glutinosus</i>	A	B, W	C	UF, BF, RB
lesser siren	<i>Siren intermedia</i>	A	B, W	U	W, S
<b>Toads and Frogs</b>					
cricket frog	<i>Acris crepitans</i>	A	B, W	A	W, RB, R, UF, S, BF
American toad	<i>Bufo americanus</i>	A	B, W	C	W, RB, UF, PF, BF
Fowler-s toad	<i>Bufo fowleri</i>	A	B, W	C	W, RB, UF, PF, BF
green treefrog	<i>Hyla cinerea</i>	A	B, W	U	W, R, BF
gray treefrog	<i>Hyla chrysoscelis / versicolor</i>	A	B, W	C	W, UF, BF, PF
spring peeper	<i>Pseudacris crucifer</i>	A	B, W	C	W, UF, BF
upland chorus frog	<i>Pseudacris feriarum</i>	A	B, W	C	W, RB, UF, BF
crawfish frog	<i>Rana areolata</i>	A	B, W	R	W
bullfrog	<i>Rana catesbeiana</i>	A	B, W	A	W, R, BF, S
green frog	<i>Rana clamitans</i>	A	B, W	C	W, R, BF, S
southern leopard frog	<i>Rana sphenoccephala</i>	A	B, W	A	W, R, BF, S
wood frog	<i>Rana sylvatica</i>	A	B, W	R	W, BF
eastern spadefoot	<i>Scaphiopus holbrookii</i>	A	B, W	R	W, BF
<b>Turtles</b>					
snapping turtle	<i>Chelydra serpentina</i>	R	B, W	C	W, R, S
painted turtle	<i>Chrysemys picta</i>	R	B, W	C	W, S
eastern box turtle	<i>Terrapene carolina</i>	R	B, W	A	RB, UF, PF, BF
red-eared slider	<i>Trachemys scripta</i>	R	B, W	C	W, R, S
eastern mud turtle	<i>Kinosternon subrubrum</i>	R	B, W	U	W, BF
common musk turtle	<i>Sternotherus odoratus</i>	R	B, W	C	W, BF
spiny softshell turtle	<i>Apalone spinifera</i>	R	B, W	U	W, R, S
<b>Lizards</b>					
fence lizard	<i>Sceloporus undulatus</i>	R	B, W	U	UF, RB, BF
ground skink	<i>Scincella lateralis</i>	R	B, W	C	UF, RB, BF
five-lined skink	<i>Eumeces fasciatus</i>	R	B, W	C	UF, RB, BF
six-lined racerunner	<i>Cnemidophorus sexlineatus</i>	R	B, W	R	RB
<b>Snakes</b>					
worm snake	<i>Carphophis amoenus</i>	R	B, W	U	RB, UF, BF
racer	<i>Coluber constrictor</i>	R	B, W	C	RB, UF, PF, BF

## Potential Reptile and Amphibian Check List for Crab Orchard National Wildlife Refuge

Common Name	Scientific Name	Class	Residence	Status on Refuge	Habitat
ringneck snake	<i>Diadophis punctatus</i>	R	B, W	U	RB, UF, BF
rat snake	<i>Elaphe obsoleta</i>	R	B, W	C	RB, UF, PF, BF
mud snake	<i>Farancia abacura</i>	R	B, W	R	W
eastern hognose snake	<i>Heterodon platirhinos</i>	R	B, W	U	RB, UF, PF, BF
prairie kingsnake	<i>Lampropeltis calligaster</i>	R	B, W	C	RB
common kingsnake	<i>Lampropeltis getula</i>	R	B, W	U	RB, UF, BF
plainbelly water snake	<i>Nerodia erythrogaster</i>	R	B, W	C	W, R, S
diamondback water snake	<i>Nerodia rhombifer</i>	R	B, W	C	W, R, S
midland water snake	<i>Nerodia sipedon</i>	R	B, W	C	W, R, S
rough green snake	<i>Opheodrys aestivus</i>	R	B, W	U	RB, UF, BF, PF
brown snake	<i>Storeria dekayi</i>	R	B, W	U	RB, UF, BF
redbelly snake	<i>Storeria occipitomaculata</i>	R	B, W	R	RB, UF, BF
common garter snake	<i>Thamnophis sirtalis</i>	R	B, W	C	W, S, RB, UF, BF
smooth earth snake	<i>Virginia valeriae</i>	R	B, W	R	RB, UF, BF
copperhead	<i>Agkistrodon contortrix</i>	R	B, W	U	RB, UF, BF
Total Amphibians = 20		Total Reptiles = 28			

## Mammal Checklist, Crab Orchard NWR

Common Name	Scientific Name	Status on Refuge
Virginia opossum	<i>Didelphis virginiana</i>	C
Southeastern shrew	<i>Sorex longirostris</i>	U
Southern short-tailed shrew	<i>Blarina carolinensis</i>	U
Least Shrew	<i>Cryptotis parva</i>	U
Eastern mole	<i>Scalopus aquaticus</i>	U
Little brown bat	<i>Myotis lucifugus</i>	U
Northern myotis	<i>Myotis septentrionalis</i>	U
Indiana bat	<i>Myotis sodalis</i>	unknown
Silver-haired bat	<i>Lasionycteris noctivagans</i>	U
Eastern pipistrelle	<i>Pipistrellus subflavus</i>	U
Big brown bat	<i>Eptesicus fuscus</i>	U
Red bat	<i>Lasiurus borealis</i>	U
Hoary bat	<i>Lasiurus cinereus</i>	U
Evening bat	<i>Nycticeius humeralis</i>	unknown
Eastern cottontail	<i>Sylvilagus floridanus</i>	U
Swamp rabbit	<i>Sylvilagus aquaticus</i>	U
Eastern chipmunk	<i>Tamias striatus</i>	U
Woodchuck	<i>Marmota monax</i>	U
Gray squirrel	<i>Sciurus carolinensis</i>	A
Fox squirrel	<i>Sciurus niger</i>	A
Southern flying squirrel	<i>Glaucomys volans</i>	U
Beaver	<i>Castor canadensis</i>	C
Marsh rice rat	<i>Oryzomys palustris</i>	unknown
Deer mouse	<i>Peromyscus maniculatus</i>	U
White-footed mouse	<i>Peromyscus leucopus</i>	U
Cotton mouse	<i>Peromyscus gossypinus</i>	U
Golden mouse	<i>Peromyscus nuttalli</i>	R
Prairie vole	<i>Microtus ochrogaster</i>	U
Woodland (pine) vole	<i>Microtus pinetorum</i>	U
Muskrat	<i>Ondatra zibethicus</i>	U
Norway rat	<i>Rattus norvegicus</i>	U
House mouse	<i>Mus musculus</i>	U
Meadow jumping mouse	<i>Zapus hudsonius</i>	U
Coyote	<i>Canis latrans</i>	U
Red fox	<i>Vulpes fulva</i>	U
Gray fox	<i>Urocyon cinereoargenteus</i>	R
Raccoon	<i>Procyon lotor</i>	C
Long-tailed weasel	<i>Mustela frenata</i>	U
Mink	<i>Mustela vison</i>	U
Striped skunk	<i>Mephitis mephitis</i>	C
River otter	<i>Lutra canadensis</i>	R
Bobcat	<i>Felis rufus</i>	U
White-tailed deer	<i>Odocoileus virginianus</i>	C

Class Code	Type Code	Status Code	Habitat Code
A= Agnatha C= Chondrichthyes O= Osteichthyes	A= anadromous C= catadromous F= freshwater S= saltwater	A= Abundant, a common species that is very common C= Common, certain to be seen or encountered in suitable habitat U= Uncommon, present but not always seen R= Rare, seen only occasionally S= Stocked populations	L= Lake R= River P= Pone SL= Slough S= Stream
Names of the fish herein are after: Mayden, R.L. 1992. <i>Systematics, Historical Ecology, &amp; North American Freshwater Fishes</i> . Stanford University Press. Stanford, California. Fish distribution data were collected from the following sources: Runyon, K.R. 1997. Determination of the effects of discharge from Little Grassy Fish Hatchery on Little Grassy Creek. M.S. Thesis. Southern Illinois University, Carbondale. 82p. U.S. Fish and Wildlife Service. 1999. Survey of the fish of Crab Orchard National Wildlife Refuge. Illinois Environmental Protection Agency. 1997. An intensive survey of the Big Muddy River Basin. Additional presence, absence and distributional data was obtained from the ichthyology museum at Southern Illinois University at Carbondale.			

## Fish Species of Crab Orchard National Wildlife Refuge

Common Name	Scientific Name	Class	Type	Status on Refuge	Habitat	Exotic or Native
Bigmouth buffalo	<i>Ictiobus cyprinellus</i>	O	F	U	L	N
Black bullhead	<i>Ameiurus melas</i>	O	F	C	L,S,SL,PR	N
Black buffalo	<i>Ictiobus niger</i>	O	F	U	R	N
Black crappie	<i>Pomoxis nigromaculatus</i>	O	F	C	L,S,SL,PR	N
Blacknose dace	<i>Rhinichthys atratulus</i>	O	F	R	S	N
Blackspotted topminnow	<i>Fundulus olivaceus</i>	O	F	C	S,L,PR	N
Blackstripe topminnow	<i>Fundulus notatus</i>	O	F	C	S,L,PR	N
Bluegill	<i>Lepomis macrochirus</i>	O	F	A	L,S,SL,PR	N
Bluntnose darter	<i>Etheostoma chlorosomum</i>	O	F	R	S,R	N
Bluntnose minnow	<i>Pimephales notatus</i>	O	F	A	L,S,R	N
Bowfin	<i>Amia calva</i>	O	F	C	L,SL,PR	N
Brown trout	<i>Salmo trutta</i>	O	F	U,S	L	E
Brook silverside	<i>Labidesthes sicculus</i>	O	F	C	L,S,R	N
Bullhead minnow	<i>Pimephales vigilax</i>	O	F	U	S,SL	N
Central stoneroller	<i>Campostoma anomalum</i>	O	F	U	S,R	N
Channel catfish	<i>Ictalurus punctatus</i>	O	F	C	S,L,PR	N
Creek chubsucker	<i>Erimyzon oblongus</i>	O	F	C	S,SL	N
Common carp	<i>Cyprinus carpio</i>	O	F	A	L,S,SL,PR	E
Creek chub	<i>Semotilus atromaculatus</i>	O	F	C	S,R	N
Fathead minnow	<i>Pimephales promelas</i>	O	F	U	S,SL	N
Flathead catfish	<i>Pylodictis olivaris</i>	O	F	U,S	L	E
Flier	<i>Centrarchus macropterus</i>	O	F	U	S,SL	N
Freshwater drum	<i>Aplodinotus grunniens</i>	O	F	U	R	N
Gizzard shad	<i>Dorosoma cepedianum</i>	O	F	A	L,S,R	N
Golden shiner	<i>Notemigonus crysoleucas</i>	O	F	C	L,S,SL,PR	N
Grass pickerel	<i>Esox americanus</i>	O	F	C	L,S,SL,PR	N
Green sunfish	<i>Lepomis cyanellus</i>	O	F	C	L,S,SL,PR	N
Hybrid stripedbass		O	F	U,S	L	E
Johnny darter	<i>Etheostoma nigrum</i>	O	F	U	S,R	N
Largemouth bass	<i>Micropterus salmoides</i>	O	F	C	L,S,SL,PR	N
Logperch	<i>Percina caprodes</i>	O	F	U	L,S	N
Longear sunfish	<i>Lepomis megalotis</i>	O	F	C	L,S,PR	N

## Fish Species of Crab Orchard National Wildlife Refuge

Common Name	Scientific Name	Class	Type	Status on Refuge	Habitat	Exotic or Native
Mosquitofish	<i>Gambusia affinis</i>	O	F	A	L,S,SL,PR	N
Orangespotted sunfish	<i>Lepomis humilis</i>	O	F	U	L,S,SL,PR	N
Orangethroat darter	<i>Etheostoma spectabile</i>	O	F	U	S,R	N
Paddlefish	<i>Polyodon spathula</i>	A	F	R	R	N
Pirate perch	<i>Aphredoderus sayanus</i>	O	F	U	S,SL	N
Rainbow trout	<i>Oncorhynchus mykiss</i>	O	F	U,S	L	E
Red shiner	<i>Cyprinella lutrensis</i>	O	F	C	S,R	N
Redear sunfish	<i>Lepomis microlophus</i>	O	F	C	L,S,PR	N
Redfin shiner	<i>Lythrurus umbratilis</i>	O	F	U	S,R	N
Ribbon Shiner	<i>Lythrurus fumeus</i>	O	F	R	S,R	N
River darter	<i>Percina shumardi</i>	O	F	R	R	N
Shortnose gar	<i>Lepisosteus platostomus</i>	O	F	R	R	N
Slough darter	<i>Etheostoma gracile</i>	O	F	U	S,SL	N
Small mouth bass	<i>Micropterus dolomieu</i>	O	F	R,S	L	E
Small mouth buffalo	<i>Ictiobus bubalus</i>	O	F	U	R	N
Spotted bass	<i>Micropterus punctulatus</i>	O	F	R	S	N
Spotted sucker	<i>Minytrema melanops</i>	O	F	C	L,S,R	N
Steelcolor shiner	<i>Cyprinella whipplei</i>	O	F	U	L,S,R	N
Striped bass	<i>Morone saxatilis</i>	O	F	C,S	L,R	E
Tadpole madtom	<i>Noturus gyrinus</i>	O	F	U	S,R	N
Threadfin shad	<i>Dorosoma petenense</i>	O	F	C,S	L	E
Walleye	<i>Stizostedion vitreum</i>	O	F	U,S	L	E
Walleye x sauger hybrid		O	F	U,S	L	E
Warmouth	<i>Chaenobryttus gulosus</i>	O	F	C	L,S,SL,PR	N
White bass	<i>Morone chrysops</i>	O	F	C	L,S,R	N
White crappie	<i>Pomoxis annularis</i>	O	F	C	L,S,SL,PR	N
White sucker	<i>Catostomus commersoni</i>	O	F	U	L,S,R	N
Yellow bass	<i>Morone mississippiensis</i>	O	F	C	L,R	N
Yellow bullhead	<i>Ameiurus natalis</i>	O	F	U	L,S,SL,PR	N
Yellow perch	<i>Perca flavescens</i>	O	F	C	L	N

TOTALSPECIESCOUNT=61



# Vascular Plants of Crab Orchard NWR

Order	Family	Common Name(s)	Scientific Name(s)	Growth Form	Frequency of Occurrence	Status		Native /Exotic	Ref.
						Fed.	State		
Lycopodiales	<i>Lycopodiaceae</i> C Clubmoss	ground-cedar	<i>Lycopodium complanatum</i> <i>var. flabelliforme</i>		U			N	
Isoetales	<i>Isoetaceae</i> C Quillwort	black quillwort	<i>Isoetes melanopoda</i>		U				1
Equisetales	<i>Equisetaceae</i> C Horsetail	common horsetail [field horsetail]	<i>Equisetum arvense</i>		LC				1
Equisetales	<i>Equisetaceae</i> C Horsetail	scouring rush	<i>Equisetum hyemale affine</i>		LA				1
Ophioglossales	<i>Ophioglossaceae</i> C Adder-s-tongue	bronze fern [cut-leaved grape fern]	<i>Botrychium dissectum dissectum</i>		U				1
Ophioglossales	<i>Ophioglossaceae</i> C Adder-s-tongue	bronze fern [grape fern]	<i>Botrychium dissectum obliquum</i>		LC				1
Ophioglossales	<i>Ophioglossaceae</i> C Adder-s-tongue	rattlesnake fern	<i>Botrychium virginianum</i>		C				1
Ophioglossales	<i>Ophioglossaceae</i> C Adder-s-tongue	adder-s-tongue fern	<i>Ophioglossum vulgatum pycnostichum</i>		O				1
Ficales	<i>Osmundaceae</i> C Royal Fern	interrupted fern	<i>Osmunda claytoniana</i>		R				1
Ficales	<i>Polypodiaceae</i> C Fern	resurrection fern	<i>Polypodium polypodioides</i>		U				1
Ficales	<i>Polypodiaceae</i> C Fern	polypody	<i>Polypodium virginianum</i>		LC				1
Ficales	<i>Polypodiaceae</i> C Fern	maidenhair fern	<i>Adiantum pedatum</i>		LC				1
Ficales	<i>Polypodiaceae</i> C Fern	pinnatifid [lobed] spleenwort	<i>Asplenium pinnatifidum</i>		R				1
Ficales	<i>Polypodiaceae</i> C Fern	ebony spleenwort	<i>Asplenium platyneuron</i>		C				1
Ficales	<i>Polypodiaceae</i> C Fern	walking fern	<i>Asplenium rhizophyllum</i>		LC				1
Ficales	<i>Polypodiaceae</i> C Fern	maidenhair spleenwort	<i>Asplenium trichomanes ssp. trichomanes</i>		U				1
Ficales	<i>Polypodiaceae</i> C Fern	lady fern	<i>Athyrium angustum</i>		U				1
Ficales	<i>Polypodiaceae</i> C Fern	southern lady fern	<i>Athyrium asplenioides</i>		U				1
Ficales	<i>Polypodiaceae</i> C Fern	glade fern [narrow-leaved spleenwort]	<i>Athyrium pycnocarpon</i>		U				1
Ficales	<i>Polypodiaceae</i> C Fern	silvery spleenwort	<i>Athyrium thelypteroides</i>		U				1
Ficales	<i>Polypodiaceae</i> C Fern	fragile fern	<i>Cystopteris protrusa</i>		LA				1

## Vascular Plants of Crab Orchard NWR (Continued)

Order	Family	Common Name(s)	Scientific Name(s)	Growth Form	Frequency of Occurrence	Status		Native /Exotic	Ref.
						Fed.	State		
Ficales	<i>Polypodiaceae</i> C Fern	Tennessee fragile fern	<i>Cystopteris X tennesseensis</i>		R				1
Ficales	<i>Polypodiaceae</i> C Fern	Goldie-s fern	<i>Dryopteris goldiana</i>		U				1
Ficales	<i>Polypodiaceae</i> C Fern	marginal shield fern [leather fern]	<i>Dryopteris marginalis</i>		LC				1
Ficales	<i>Polypodiaceae</i> C Fern	sensitive fern	<i>Onoclea sensibilis</i>		O				1
Ficales	<i>Polypodiaceae</i> C Fern	Christmas fern	<i>Polystichum acrostichoides</i>		LC				1
Ficales	<i>Polypodiaceae</i> C Fern	blunt-lobed woodsia [common woodsia]	<i>Woodsia obtusa</i>		O-C				1
Ginkgoales	<i>Ginkgoaceae</i> C Ginkgo	ginkgo [maidenhair tree]	<i>Ginkgo biloba</i>	tree	R			E	
Coniferales	<i>Pinaceae</i> C Pine	shortleaf pine	<i>Pinus echinata</i>	tree	A		E	E	1
Coniferales	<i>Pinaceae</i> C Pine	loblolly pine	<i>Pinus taeda</i>	tree	C			E	1
Coniferales	<i>Pinaceae</i> C Pine	Virginia pine [scrub, Jersey, poverty pine]	<i>Pinus virginiana</i>	tree	C			E	1
Coniferales	<i>Pinaceae</i> C Pine	Scotch pine	<i>Pinus sylvestris</i>	tree	R			E	
Coniferales	<i>Pinaceae</i> C Pine	ponderosa pine	<i>Pinus ponderosa</i>	tree	R			E	
Coniferales	<i>Pinaceae</i> C Pine	eastern white pine	<i>Pinus strobus</i>	tree	R			E	
Coniferales	<i>Pinaceae</i> C Pine	Norway spruce	<i>Picea abies</i>	tree	R			E	
Coniferales	<i>Taxodiaceae</i> C Baldcypress	baldcypress	<i>Taxodium distichum</i>	tree	O			E	
Coniferales	<i>Cupressaceae</i> C Cypress	eastern redcedar	<i>Juniperus virginiana</i>	tree	LC			N	1
Typhales	<i>Typhaceae</i> C Cat-tail	narrow-leaved cat-tail	<i>Typha angustifolia</i>						1
Typhales	<i>Typhaceae</i> C Cat-tail	common cat-tail	<i>Typha latifolia</i>						1
Najadales	<i>Potamogetonaceae</i> C Pondweed	waterthread pondweed	<i>Potamogeton diversifolius</i>		O				1
Najadales	<i>Potamogetonaceae</i> C Pondweed	leafy pondweed	<i>Potamogeton foliosus</i>		U				1
Najadales	<i>Potamogetonaceae</i> C Pondweed	American pondweed	<i>Potamogeton nodosus</i>		LC				1
Alismatales	<i>Alismaceae</i> C Water Plantain	arrowhead [arrowleaf]	<i>Sagittaria calycina</i>		R				1

## Vascular Plants of Crab Orchard NWR (Continued)

Order	Family	Common Name(s)	Scientific Name(s)	Growth Form	Frequency of Occurrence	Status		Native /Exotic	Ref.
						Fed.	State		
Alismatales	<i>Alismaceae</i> C Water Plantain	water plantain [small-flowered water plantain]	<i>Alisma plantago-aquatica parviflorum</i>		R(1) C				1
Hydrocharitales	<i>Hydrocharitaceae</i> C Frog-s-bit	anacharis [Canadian water-weed]	<i>Elodea canadensis</i>		U				1
Cyperales	<i>Poaceae</i> C Grass	giant cane	<i>Arundinaria gigantea</i>	shrub	U			N	
Cyperales	<i>Poaceae</i> C Grass	goose grass [yard grass]	<i>Eleusine indica</i>		LC			E	1
Cyperales	<i>Poaceae</i> C Grass	three-flowered melic grass	<i>Melica nitens</i>		U				1
Cyperales	<i>Poaceae</i> C Grass	orchard grass	<i>Dactylis glomerata</i>		C				1
Cyperales	<i>Poaceae</i> C Grass	bluegrass	<i>Poa angustifolia</i>		R				1
Cyperales	<i>Poaceae</i> C Grass	annual bluegrass [low spear-grass]	<i>Poa annua</i>		O				1
Cyperales	<i>Poaceae</i> C Grass	Canadian bluegrass	<i>Poa compressa</i>		O				1
Cyperales	<i>Poaceae</i> C Grass	Kentucky bluegrass	<i>Poa pratensis</i>		LC				1
Cyperales	<i>Poaceae</i> C Grass	woodland bluegrass	<i>Poa sylvestris</i>		U				1
Cyperales	<i>Poaceae</i> C Grass	chess [field brome]	<i>Bromus arvensis</i>		LC				1
Cyperales	<i>Poaceae</i> C Grass	hairy brome [hairy chess]	<i>Bromus commutatus</i>		LC				1
Cyperales	<i>Poaceae</i> C Grass	awnless brome [Hungarian, smooth brome]	<i>Bromus inermis</i>		O				1
Cyperales	<i>Poaceae</i> C Grass	Japanese brome [Japanese chess]	<i>Bromus japonicus</i>		LC				1
Cyperales	<i>Poaceae</i> C Grass	Canada brome [woodland brome]	<i>Bromus pubescens</i>		O				1
Cyperales	<i>Poaceae</i> C Grass	bald brome [chess]	<i>Bromus racemosus</i>		LA				1
Cyperales	<i>Poaceae</i> C Grass	cheat grass brome [downy brome]	<i>Bromus tectorum</i>		LA				1
Cyperales	<i>Poaceae</i> C Grass	fowl manna grass	<i>Glyceria striata</i>		LC				1
Cyperales	<i>Poaceae</i> C Grass	purple-top [false red-top, tall red-top]	<i>Tridens flavus</i>		A				1
Cyperales	<i>Poaceae</i> C Grass	lace grass	<i>Eragrostis capillaris</i>		O				1

## Vascular Plants of Crab Orchard NWR (Continued)

Order	Family	Common Name(s)	Scientific Name(s)	Growth Form	Frequency of Occurrence	Status		Native /Exotic	Ref.
						Fed.	State		
Cyperales	Poaceae C Grass	stink grass [stinking love grass]	<i>Eragrostis cilianensis</i>		O				1
Cyperales	Poaceae C Grass	sandbar love grass	<i>Eragrostis frankii</i>		U				1
Cyperales	Poaceae C Grass	Carolina love grass [small love grass]	<i>Eragrostis pectinacea</i>		LC				1
Cyperales	Poaceae C Grass	purple love grass [sand love grass]	<i>Eragrostis spectabilis</i>		O				1
Cyperales	Poaceae C Grass	nodding fescue	<i>Festuca obtusa</i>		O				1
Cyperales	Poaceae C Grass	English bluegrass [meadow fescue]	<i>Festuca pratensis</i>		O-LA				1
Cyperales	Poaceae C Grass	curly grass [poverty oat grass]	<i>Danthonia spicata</i>		LC				1
Cyperales	Poaceae C Grass	shining wedge grass	<i>Sphenopholis nitida</i>		R				1
Cyperales	Poaceae C Grass	prairie wedge grass [prairie wedgescale]	<i>Sphenopholis obtusata</i>		O				1
Cyperales	Poaceae C Grass	bearded wheat [wheat]	<i>Triticum aestivum</i>		R				1
Cyperales	Poaceae C Grass	little barley [small wild barley]	<i>Hordeum pusillum</i>		LC				1
Cyperales	Poaceae C Grass	bottlebrush grass	<i>Elymus histrix</i>						1
Cyperales	Poaceae C Grass	hairy wild rye [silky wild rye, slender wild rye]	<i>Elymus villosus</i>						1
Cyperales	Poaceae C Grass	lyme grass [Virginia wild rye]	<i>Elymus virginicus virginicus</i>						1
Cyperales	Poaceae C Grass	lyme grass [Virginia wild rye]	<i>Elymus virginicus glabriflorus</i>						1
Cyperales	Poaceae C Grass	giant foxtail [nodding foxtail]	<i>Setaria faberii</i>		LC			E	1
Cyperales	Poaceae C Grass	pigeon grass [yellow foxtail]	<i>Setaria glauca</i>		O-LC			E	1
Cyperales	Poaceae C Grass	common foxtail [green foxtail]	<i>Setaria viridis</i>		O			E	1
Cyperales	Poaceae C Grass	barnyard grass	<i>Echinochloa muricata</i>		LC				1

## Vascular Plants of Crab Orchard NWR (Continued)

Order	Family	Common Name(s)	Scientific Name(s)	Growth Form	Frequency of Occurrence	Status		Native /Exotic	Ref.
						Fed.	State		
Cyperales	Poaceae C Grass	bead grass [hairy lens grass]	<i>Paspalum ciliatifolium</i>		LC				1
Cyperales	Poaceae C Grass	bead grass	<i>Paspalum dissectum</i>		R				1
Cyperales	Poaceae C Grass	smooth lens grass	<i>Paspalum laeve</i>		LA				1
Cyperales	Poaceae C Grass	bead grass [hairy seed paspalum]	<i>Paspalum pubiflorum</i>		O-LA				1
Cyperales	Poaceae C Grass	panic grass	<i>Panicum anceps</i>		LC				1
Cyperales	Poaceae C Grass	fall panicum [knee grass]	<i>Panicum dichotomiflorum</i>		LC				1
Cyperales	Poaceae C Grass	panic grass	<i>Panicum gattingeri</i>		LA				1
Cyperales	Poaceae C Grass	Munro grass	<i>Panicum rigidulum</i>		LC				1
Cyperales	Poaceae C Grass	smooth crab grass	<i>Digitaria ischaemum</i>		LA				1
Cyperales	Poaceae C Grass	hairy crab grass [common crab grass]	<i>Digitaria sanguinalis</i>		LC				1
Cyperales	Poaceae C Grass	stoutwood reed	<i>Cinna arundinacea</i>		O				1
Cyperales	Poaceae C Grass	red top	<i>Agrostis alba</i>		LC				1
Cyperales	Poaceae C Grass	tickle-grass [hair grass, winter bent grass]	<i>Agrostis hyemalis</i>		LC				1
Cyperales	Poaceae C Grass	autumn bent grass [upland bent grass]	<i>Agrostis perennans</i>		C				1
Cyperales	Poaceae C Grass	muhly	<i>Muhlenbergia bushii</i>		R				1
Cyperales	Poaceae C Grass	common satin grass [nimble will, wirestem muhly]	<i>Muhlenbergia frondosa</i>		LC				1
Cyperales	Poaceae C Grass	nimble will	<i>Muhlenbergia schreberi</i>		LC				1
Cyperales	Poaceae C Grass	muhly [rock satin grass]	<i>Muhlenbergia sobolifera</i>		O				1
Cyperales	Poaceae C Grass	three-awn	<i>Aristida longispica</i>		O				1
Cyperales	Poaceae C Grass	plains three-awn [prairie three-awn, wire grass]	<i>Aristida oligantha</i>		LC				1
Cyperales	Poaceae C Grass	timothy	<i>Phleum pratense</i>		O				1

## Vascular Plants of Crab Orchard NWR (Continued)

Order	Family	Common Name(s)	Scientific Name(s)	Growth Form	Frequency of Occurrence	Status		Native /Exotic	Ref.
						Fed.	State		
Cyperales	Poaceae C Grass	dropseed [rough dropseed, tall dropseed]	<i>Sporobolus asper</i>		U				1
Cyperales	Poaceae C Grass	northern rush grass [poverty dropseed]	<i>Sporobolus vaginiflorus</i>		LC				1
Cyperales	Poaceae C Grass	long-awned wood grass	<i>Brachyelytrum erectum</i>		O				1
Cyperales	Poaceae C Grass	rice cutgrass	<i>Leersia oryzoides</i>		LC				1
Cyperales	Poaceae C Grass	white grass	<i>Leersia virginica</i>		O				1
Cyperales	Poaceae C Grass	silver plume grass	<i>Erianthus alopecuroides</i>		LC				1
Cyperales	Poaceae C Grass	Indian grass [yellow Indian grass]	<i>Sorghastrum nutans</i>		LC				1
Cyperales	Poaceae C Grass	Johnsongrass [Egyptian millet]	<i>Sorghum halepense</i>		LC				1
Cyperales	Poaceae C Grass	Elliott-s broom-sedge	<i>Andropogon elliotii</i>		LC				1
Cyperales	Poaceae C Grass	big bluestem [turkeyfoot]	<i>Andropogon gerardii</i>		LC				1
Cyperales	Poaceae C Grass	broom-sedge	<i>Andropogon virginicus</i>		C				1
Cyperales	Poaceae C Grass	little bluestem	<i>Schizachyrium scoparium</i> [ <i>Andropogon scoparius</i> ]		LC				1
Cyperales	Poaceae C Grass	gama grass	<i>Tripsacum dactyloides</i>		LC				1
Cyperales	Poaceae C Grass	corn [maize]	<i>Zea mays</i>		LA				
Cyperales	Cyperaceae C Sedge	bearded flat sedge	<i>Cyperus aristatus</i>		O				1
Cyperales	Cyperaceae C Sedge	chufa [ground almond, nut sedge, yellow nutgrass]	<i>Cyperus esculentus</i>		LC				1
Cyperales	Cyperaceae C Sedge	slender flatsedge	<i>Cyperus ferruginescens</i>		O				1
Cyperales	Cyperaceae C Sedge	fern flatsedge	<i>Cyperus filiculmis</i>		R				1
Cyperales	Cyperaceae C Sedge	hedgehog club rush	<i>Cyperus ovularis</i>		O				1
Cyperales	Cyperaceae C Sedge	straw colored flatsedge	<i>Cyperus strigosus</i>		LC				1
Cyperales	Cyperaceae C Sedge	needle spike rush	<i>Eleocharis acicularis</i>		LC				1
Cyperales	Cyperaceae C Sedge	spike rush	<i>Eleocharis elliptica elliptica</i>		U				1

## Vascular Plants of Crab Orchard NWR (Continued)

Order	Family	Common Name(s)	Scientific Name(s)	Growth Form	Frequency of Occurrence	Status		Native /Exotic	Ref.
						Fed.	State		
Cyperales	<i>Cyperaceae</i> C Sedge		<i>Eleocharis obtusa</i>		LC				1
Cyperales	<i>Cyperaceae</i> C Sedge	hair sedge [threadleaf beak-seed]	<i>Bulbostylis capillaris</i>		U				
Cyperales	<i>Cyperaceae</i> C Sedge	dark green rush [green bulrush]	<i>Scirpus atrovirens</i>		LC				
Cyperales	<i>Cyperaceae</i> C Sedge	wool grass	<i>Scirpus cyperinus</i>		LC				
Cyperales	<i>Cyperaceae</i> C Sedge	red bulrush	<i>Scirpus pendulus</i>		O				
Cyperales	<i>Cyperaceae</i> C Sedge	great bulrush	<i>Scirpus acutus</i>		R				2
Cyperales	<i>Cyperaceae</i> C Sedge	nut-rush	<i>Scleria pauciflora</i>		R				1
Cyperales	<i>Cyperaceae</i> C Sedge	sedge	<i>Carex albursina</i>		O-C				1
Cyperales	<i>Cyperaceae</i> C Sedge	sedge	<i>Carex artitecta</i>		C				1
Cyperales	<i>Cyperaceae</i> C Sedge	woodland sedge	<i>Carex blanda</i>		O				1
Cyperales	<i>Cyperaceae</i> C Sedge	sedge	<i>Carex bushii</i>		C				1
Cyperales	<i>Cyperaceae</i> C Sedge		<i>Carex cephalophora</i>		O				1
Cyperales	<i>Cyperaceae</i> C Sedge		<i>Carex convoluta</i>		O				1
Cyperales	<i>Cyperaceae</i> C Sedge	fringed sedge	<i>Carex crinita</i>		O				1
Cyperales	<i>Cyperaceae</i> C Sedge	sedge	<i>Carex cristatella</i>		U				1
Cyperales	<i>Cyperaceae</i> C Sedge	sedge	<i>Carex digitalis</i>		U				1
Cyperales	<i>Cyperaceae</i> C Sedge	Emory sedge	<i>Carex emoryi</i>		U				1
Cyperales	<i>Cyperaceae</i> C Sedge	sedge	<i>Carex festucacea</i>		O				1
Cyperales	<i>Cyperaceae</i> C Sedge	sedge	<i>Carex frankii</i>		O				1
Cyperales	<i>Cyperaceae</i> C Sedge	sedge	<i>Carex glaucodea</i>		C				1
Cyperales	<i>Cyperaceae</i> C Sedge	sedge	<i>Carex hirsutella</i>		LC				1
Cyperales	<i>Cyperaceae</i> C Sedge	bottlebrush sedge	<i>Carex hystericina</i>		LC				1
Cyperales	<i>Cyperaceae</i> C Sedge	grass sedge	<i>Carex jamesii</i>		O				1
Cyperales	<i>Cyperaceae</i> C Sedge	sedge	<i>Carex lurida</i>		LC				1
Cyperales	<i>Cyperaceae</i> C Sedge	Mead sedge	<i>Carex meadii</i>		U				1

## Vascular Plants of Crab Orchard NWR (Continued)

Order	Family	Common Name(s)	Scientific Name(s)	Growth Form	Frequency of Occurrence	Status		Native /Exotic	Ref.
						Fed.	State		
Cyperales	<i>Cyperaceae</i> C Sedge	sedge	<i>Carex muhlenbergii</i>		C				1
Cyperales	<i>Cyperaceae</i> C Sedge	sedge	<i>Carex normalis</i>		O				1
Cyperales	<i>Cyperaceae</i> C Sedge	sedge	<i>Carex oligocarpa</i>		R				1
Cyperales	<i>Cyperaceae</i> C Sedge	Pennsylvania sedge	<i>Carex pennsylvanica</i>		LC				1
Cyperales	<i>Cyperaceae</i> C Sedge	sedge	<i>Carex physorhyncha</i>		LC				1
Cyperales	<i>Cyperaceae</i> C Sedge	sedge	<i>Carex retroflexa</i>		O				1
Cyperales	<i>Cyperaceae</i> C Sedge	sedge	<i>Carex rosea</i>		O				1
Cyperales	<i>Cyperaceae</i> C Sedge	broom sedge	<i>Carex scoparia</i>		U				1
Cyperales	<i>Cyperaceae</i> C Sedge	sedge	<i>Carex styloflexa</i>		U				1
Cyperales	<i>Cyperaceae</i> C Sedge	sedge	<i>Carex tenera</i>		U				1
Cyperales	<i>Cyperaceae</i> C Sedge	sedge	<i>Carex texensis</i>		O				1
Cyperales	<i>Cyperaceae</i> C Sedge	sedge	<i>Carex torta</i>		LA				1
Cyperales	<i>Cyperaceae</i> C Sedge	sedge	<i>Carex tribuloides</i>		O				1
Cyperales	<i>Cyperaceae</i> C Sedge	sedge	<i>Carex umbellata</i>		O				1
Cyperales	<i>Cyperaceae</i> C Sedge	fox sedge	<i>Carex vulpinoidea</i>		LC				1
Arales	<i>Araceae</i> C Arum	green dragon	<i>Arisaema dracontium</i>		O				1
Arales	<i>Araceae</i> C Arum	jack-in-the-pulpit [Indian turnip]	<i>Arisaema triphyllum</i>		C-O				1
Arales	<i>Araceae</i> C Arum	sweet flag [flag root, calamus]	<i>Acorus americanus</i>		U				1
Arales	<i>Lemnaceae</i> C Duckweed	Columbian water-meal [common water-meal]	<i>Wolffia columbiana</i>		LA				1
Arales	<i>Lemnaceae</i> C Duckweed	big duckweed [common ducksmeat, duckweed]	<i>Spirodela polyrhiza</i>		LA				1
Arales	<i>Lemnaceae</i> C Duckweed	duckweed	<i>Wolffiella gladiata</i>		LA				1
Commelinales	<i>Commelinaceae</i> C Spiderwort	spiderwort	<i>Tradescantia ohioensis</i>		U				1
Commelinales	<i>Commelinaceae</i> C Spiderwort	common spiderwort	<i>Tradescantia virginiana</i>		C				1



## Vascular Plants of Crab Orchard NWR (Continued)

Order	Family	Common Name(s)	Scientific Name(s)	Growth Form	Frequency of Occurrence	Status		Native /Exotic	Ref.
						Fed.	State		
Commelinales	<i>Commelinaceae</i> C Spider-wort	wide-leaved spiderwort	<i>Tradescantia subaspera</i>		LC				1
Commelinales	<i>Commelinaceae</i> C Spider-wort	common dayflower	<i>Commelina communis</i>		LC				1
Juncales	<i>Juncaceae</i> C Rush	knotty-leaved rush [tapertip rush]	<i>Juncus acuminatus</i>		LC				1
Juncales	<i>Juncaceae</i> C Rush	two-flowered rush	<i>Juncus biflorus</i>		LC				1
Juncales	<i>Juncaceae</i> C Rush	rush	<i>Juncus brachycarpus</i>		LA				1
Juncales	<i>Juncaceae</i> C Rush	Dudley rush	<i>Juncus dudleyi</i>		O				1
Juncales	<i>Juncaceae</i> C Rush	common rush	<i>Juncus effusus solutus</i>		O				1
Juncales	<i>Juncaceae</i> C Rush	inland rush	<i>Juncus interior</i>		U				1
Juncales	<i>Juncaceae</i> C Rush	rush	<i>Juncus nodatus</i>		U				1
Juncales	<i>Juncaceae</i> C Rush	rush	<i>Juncus secundus</i>		O				1
Juncales	<i>Juncaceae</i> C Rush	path rush [poverty rush]	<i>Juncus tenuis</i>		LA				1
Juncales	<i>Juncaceae</i> C Rush	Torrey rush	<i>Juncus torreyi</i>		LC				1
Juncales	<i>Juncaceae</i> C Rush	common wood rush	<i>Luzula multiflora multiflora</i>		C				1
Juncales	<i>Juncaceae</i> C Rush	wood rush	<i>Luzula multiflora echinata</i>		O				1
Liliales	<i>Liliaceae</i> C Lily	large-flowered bellwort [big merry bells]	<i>Uvularia grandiflora</i>		O				1
Liliales	<i>Liliaceae</i> C Lily	field garlic	<i>Allium vineale</i>		A			E	1
Liliales	<i>Liliaceae</i> C Lily	wild garlic [wild onion]	<i>Allium canadense</i>		LA				1
Liliales	<i>Liliaceae</i> C Lily	garlic [garlic onion]	<i>Allium sativum</i>		O				1
Liliales	<i>Liliaceae</i> C Lily	false garlic [crow poison]	<i>Nothoscordum bivalve</i>		LC				1
Liliales	<i>Liliaceae</i> C Lily	orange day-lily [day-lily]	<i>Hemerocallis fulva</i>		LC			E	1
Liliales	<i>Liliaceae</i> C Lily	Turk-s-cap lily [Michigan lily]	<i>Lilium michiganense</i>		U				1
Liliales	<i>Liliaceae</i> C Lily	superb lily [Turk-s-cap lily]	<i>Lilium superbum</i>		R				1
Liliales	<i>Liliaceae</i> C Lily	yellow dog-tooth violet [yellow adder-s tongue]	<i>Erythronium americanum</i>		LA				1

## Vascular Plants of Crab Orchard NWR (Continued)

Order	Family	Common Name(s)	Scientific Name(s)	Growth Form	Frequency of Occurrence	Status		Native /Exotic	Ref.
						Fed.	State		
Liliales	<i>Liliaceae</i> C Lily	common star-of-Bethlehem [dove-s dung]	<i>Ornithogalum umbellatum</i>		LC				1
Liliales	<i>Liliaceae</i> C Lily	yucca [Adam-s needle, Spanish bayonet]	<i>Yucca flaccida</i>		U				1
Liliales	<i>Liliaceae</i> C Lily	asparagus [garden asparagus]	<i>Asparagus officinalis</i>		O				1
Liliales	<i>Liliaceae</i> C Lily	false Solomon-s-seal [wild spikenard]	<i>Smilacina racemosa</i>		LA				1
Liliales	<i>Liliaceae</i> C Lily	small Solomon-s-seal	<i>Polygonatum biflorum</i>		O				1
Liliales	<i>Liliaceae</i> C Lily	great Solomon-s-seal	<i>Polygonatum commutatum</i>		U				1
Liliales	<i>Liliaceae</i> C Lily	red trillium [recurved wakerobin]	<i>Trillium recurvatum</i>		C				1
Liliales	<i>Liliaceae</i> C Lily	white trillium [declined trillium]	<i>Trillium flexipes</i>		LC				1
Liliales	<i>Smilacaceae</i> C Greenbrier	greenbrier [catbrier, bullbrier]	<i>Smilax bona-nox</i>		U				1
Liliales	<i>Smilacaceae</i> C Greenbrier	greenbrier [catbrier]	<i>Smilax glauca</i>		LC				1
Liliales	<i>Smilacaceae</i> C Greenbrier	bristly greenbrier [catbrier]	<i>Smilax hispida</i>		O				1
Liliales	<i>Smilacaceae</i> C Greenbrier	carrion flower	<i>Smilax pulverulenta</i>		O				1
Liliales	<i>Smilacaceae</i> C Greenbrier	greenbrier [catbrier]	<i>Smilax rotundifolia</i>		U				1
Liliales	<i>Dioscoreaceae</i> C Yam	wild yam	<i>Dioscorea villosa</i>		LC				1
Liliales	<i>Dioscoreaceae</i> C Yam	wild yam	<i>Dioscorea quaternata</i>		C				1
Liliales	<i>Dioscoreaceae</i> C Yam	Chinese yam [cinnamon vine]	<i>Dioscorea oppositifolia</i> [ <i>D. batatas</i> ]		U			E	
Liliales	<i>Amaryllidaceae</i> C Amaryllis	common goldstargrass [yellow stargrass]	<i>Hypoxis hirsuta</i>		LC				1
Liliales	<i>Amaryllidaceae</i> C Amaryllis	daffodil	<i>Narcissus pseudo-narcissus</i>		LC				1
Liliales	<i>Amaryllidaceae</i> C Amaryllis	poet-s narcissus	<i>Narcissus poeticus</i>		U				1
Liliales	<i>Iridaceae</i> C Iris	blackberry lily	<i>Belamcanda chinensis</i>		U			E	
Liliales	<i>Iridaceae</i> C Iris	flag [German iris, fleur-de-lis]	<i>Iris X germanica</i>		O				

## Vascular Plants of Crab Orchard NWR (Continued)

Order	Family	Common Name(s)	Scientific Name(s)	Growth Form	Frequency of Occurrence	Status		Native /Exotic	Ref.
						Fed.	State		
Liliales	<i>Iridaceae</i> C Iris	blue-eyed grass	<i>Sisyrinchium albidum</i>		O				
Liliales	<i>Iridaceae</i> C Iris	common blue-eyed grass [stout blue-eyed grass]	<i>Sisyrinchium angustifolium</i>		O				
Orchidales	<i>Orchidaceae</i> C Orchid	nodding ladies-tresses	<i>Spiranthes cernua</i>		O-LC				
Orchidales	<i>Orchidaceae</i> C Orchid	little ladies-tresses	<i>Spiranthes tuberosa</i>		U				
Orchidales	<i>Orchidaceae</i> C Orchid	rattlesnake plantain	<i>Goodyera pubescens</i>		R				
Orchidales	<i>Orchidaceae</i> C Orchid	large twayblade [lily twayblade, purple twayblade]	<i>Liparis lilifolia</i>		LC-O				
Orchidales	<i>Orchidaceae</i> C Orchid	puttyroot orchid [Adam-and-Eve]	<i>Aplectrum hyemale</i>		LC-O				
Orchidales	<i>Orchidaceae</i> C Orchid	Wister-s coral-root orchid [coral root]	<i>Corallorhiza wisteriana</i>		R				
Piperales	<i>Saururaceae</i> C Lizard-tail	lizard-s-tail	<i>Saururus cernuus</i>		LC				
Salicales	<i>Salicaceae</i> C Willow	black willow	<i>Salix nigra</i>	tree	C			N	1
Salicales	<i>Salicaceae</i> C Willow	brittle willow [crack willow]	<i>Salix fragilis</i>		O			E	1
Salicales	<i>Salicaceae</i> C Willow	prairie willow [dwarf prairie willow]	<i>Salix humilis</i>		R				1
Salicales	<i>Salicaceae</i> C Willow	sandbar willow	<i>Salix exigua [S. interior]</i>		O				1
Salicales	<i>Salicaceae</i> C Willow	white poplar	<i>Populus alba</i>	tree	O			E	1
Salicales	<i>Salicaceae</i> C Willow	eastern cottonwood	<i>Populus deltoides</i>	tree	C			N	1
Juglandales	<i>Juglandaceae</i> C Walnut	butternut [white walnut]	<i>Juglans cinerea</i>	tree	R			N	1
Juglandales	<i>Juglandaceae</i> C Walnut	black walnut	<i>Juglans nigra</i>	tree	O			N	1
Juglandales	<i>Juglandaceae</i> C Walnut	shagbark hickory [scaly-bark hickory]	<i>Carya ovata</i>	tree	O-C			N	1
Juglandales	<i>Juglandaceae</i> C Walnut	shellbark hickory [kingnut hickory]	<i>Carya laciniosa</i>	tree	R			N	1
Juglandales	<i>Juglandaceae</i> C Walnut	mockernut hickory	<i>Carya tomentosa</i>	tree	O			N	1
Juglandales	<i>Juglandaceae</i> C Walnut	pignut hickory	<i>Carya glabra</i>	tree	C			N	1

## Vascular Plants of Crab Orchard NWR (Continued)

Order	Family	Common Name(s)	Scientific Name(s)	Growth Form	Frequency of Occurrence	Status		Native /Exotic	Ref.
						Fed.	State		
Juglandales	<i>Juglandaceae</i> C Walnut	small pignut hickory [false shagbark hickory]	<i>Carya ovalis</i>	tree	C			N	1
Juglandales	<i>Juglandaceae</i> C Walnut	bitternut hickory	<i>Carya cordiformis</i>	tree	C			N	1
Juglandales	<i>Juglandaceae</i> C Walnut	black hickory	<i>Carya texana</i>	tree	R			N	1
Juglandales	<i>Juglandaceae</i> C Walnut	pecan	<i>Carya illinoensis</i>	tree	O			N	
Fagales	<i>Betulaceae</i> C Birch	river birch [red birch]	<i>Betula nigra</i>	tree	C			N	1
Fagales	<i>Betulaceae</i> C Birch	common alder [smooth alder]	<i>Alnus serrulata</i>	tree	R			N	
Fagales	<i>Betulaceae</i> C Birch	eastern hophornbeam [iron-wood]	<i>Ostrya virginiana</i>	tree	C			N	
Fagales	<i>Betulaceae</i> C Birch	American hornbeam [blue-beech]	<i>Carpinus caroliniana</i>	tree	R			N	
Fagales	<i>Betulaceae</i> C Birch	hazelnut [American filbert]	<i>Corylus americana</i>	shrub	O			N	
Fagales	<i>Fagaceae</i> C Beech	American beech [beech]	<i>Fagus grandifolia caroliniana</i>	tree	O			N	1
Fagales	<i>Fagaceae</i> C Beech	American chestnut	<i>Castanea dentata</i>	tree	R			N	
Fagales	<i>Fagaceae</i> C Beech	Chinese chestnut (various hybrids)	<i>Castanea mollissima</i>	tree	R			E	
Fagales	<i>Fagaceae</i> C Beech	white oak	<i>Quercus alba</i>	tree	C			N	1
Fagales	<i>Fagaceae</i> C Beech	post oak	<i>Quercus stellata</i>	tree	A			N	1
Fagales	<i>Fagaceae</i> C Beech	bur oak [mossy cup oak]	<i>Quercus macrocarpa</i>	tree	O			N	1
Fagales	<i>Fagaceae</i> C Beech	swamp white oak	<i>Quercus bicolor</i>	tree	R			N	
Fagales	<i>Fagaceae</i> C Beech	swamp chestnut oak [cow oak, basket oak]	<i>Quercus michauxii</i>	tree	C			N	
Fagales	<i>Fagaceae</i> C Beech	chinkapin oak [yellow chestnut oak]	<i>Quercus prinoides acuminata</i> [ <i>Q. muehlenbergii</i> ]	tree	O			N	
Fagales	<i>Fagaceae</i> C Beech	northern red oak	<i>Quercus rubra</i>	tree	C			N	1
Fagales	<i>Fagaceae</i> C Beech	pin oak	<i>Quercus palustris</i>	tree	A			N	1
Fagales	<i>Fagaceae</i> C Beech	scarlet oak	<i>Quercus coccinea</i>	tree	R			N	1

## Vascular Plants of Crab Orchard NWR (Continued)

Order	Family	Common Name(s)	Scientific Name(s)	Growth Form	Frequency of Occurrence	Status		Native /Exotic	Ref.
						Fed.	State		
Fagales	<i>Fagaceae</i> C Beech	black oak [yellow-barked oak]	<i>Quercus velutina</i>	tree	C-O			N	1
Fagales	<i>Fagaceae</i> C Beech	southern red oak [Spanish oak]	<i>Quercus falcata</i>	tree	O			N	1
Fagales	<i>Fagaceae</i> C Beech	cherrybark oak	<i>Quercus pagoda</i>	tree	R			E	
Fagales	<i>Fagaceae</i> C Beech	blackjack oak	<i>Quercus marilandica</i>	tree	O			N	1
Fagales	<i>Fagaceae</i> C Beech	willow oak	<i>Quercus phellos</i>	tree	R			E	
Fagales	<i>Fagaceae</i> C Beech	shingle oak	<i>Quercus imbricaria</i>	tree	A			N	1
Fagales	<i>Fagaceae</i> C Beech	Shumard oak	<i>Quercus shumardii</i>	tree	O			N	1
Utricales	<i>Ulmaceae</i> C Elm	sugarberry	<i>Celtis laevigata</i>	tree	R			N	1
Utricales	<i>Ulmaceae</i> C Elm	common hackberry	<i>Celtis occidentalis</i>	tree	C			N	1
Utricales	<i>Ulmaceae</i> C Elm	dwarf hackberry	<i>Celtis tenuifolia var. georgiana</i>	tree	R			N	1
Utricales	<i>Ulmaceae</i> C Elm	slippery elm [red elm]	<i>Ulmus rubra</i>	tree	O			N	1
Utricales	<i>Ulmaceae</i> C Elm	American elm	<i>Ulmus americana</i>	tree	C			N	1
Utricales	<i>Ulmaceae</i> C Elm	winged elm	<i>Ulmus alata</i>	tree	C			N	1
Utricales	<i>Moraceae</i> C Mulberry	osage-orange [hedge-apple]	<i>Maclura pomifera</i>	tree	O			E	1
Utricales	<i>Moraceae</i> C Mulberry	red mulberry	<i>Morus rubra</i>	tree	O			N	1
Utricales	<i>Moraceae</i> C Mulberry	white mulberry	<i>Morus alba</i>	tree	O			E	1
Utricales	<i>Moraceae</i> C Mulberry	paper-mulberry	<i>Broussonetia papyrifera</i>	shrub	O			E	
Utricales	<i>Urticaceae</i> C Nettle	Canada wood nettle [wood nettle]	<i>Laportea canadensis</i>		LA				1
Utricales	<i>Urticaceae</i> C Nettle	Pennsylvania pellitory	<i>Parietaria pensylvanica</i>		U				1
Utricales	<i>Urticaceae</i> C Nettle	false nettle	<i>Boehmeria cylindrica</i>		LC				1
Utricales	<i>Urticaceae</i> C Nettle	Canada clearweed [coolwort, richweed]	<i>Pilea pumila</i>		LC				1
Aristolochiales	<i>Aristolochiaceae</i> C Birthwort	Virginia snakeroot [birthwort]	<i>Aristolochia serpentaria</i>		O				1
Aristolochiales	<i>Aristolochiaceae</i> C Birthwort	Canada wild ginger	<i>Asarum canadense reflexum</i>		C-LA				1
Polygonales	<i>Polygonaceae</i> C Buckwheat	slender knotweed	<i>Polygonum tenue</i>		C				1

## Vascular Plants of Crab Orchard NWR (Continued)

Order	Family	Common Name(s)	Scientific Name(s)	Growth Form	Frequency of Occurrence	Status		Native /Exotic	Ref.
						Fed.	State		
Polygonales	<i>Polygonaceae</i> C Buckwheat	knotweed	<i>Polygonum aviculare</i>		LC				1
Polygonales	<i>Polygonaceae</i> C Buckwheat	copse bindweed [false buckwheat]	<i>Polygonum cristatum</i> [ <i>P. scandens dumetorum</i> ]		O				1
Polygonales	<i>Polygonaceae</i> C Buckwheat	Virginia knotweed	<i>Polygonum virginianum</i>		C				1
Polygonales	<i>Polygonaceae</i> C Buckwheat	curttop lady-s thumb [pale smartweed]	<i>Polygonum lapathifolium</i>		O				1
Polygonales	<i>Polygonaceae</i> C Buckwheat	Pennsylvania smartweed [common smartweed]	<i>Polygonum pennsylvanicum laevigatum</i>		O				1
Polygonales	<i>Polygonaceae</i> C Buckwheat	mild water pepper [swamp smartweed]	<i>Polygonum hydropiperoides</i>		LA				1
Polygonales	<i>Polygonaceae</i> C Buckwheat	bristly smartweed [smartweed]	<i>Polygonum setaceum interjectum</i>		U				1
Polygonales	<i>Polygonaceae</i> C Buckwheat	dotted smartweed	<i>Polygonum punctatum</i>		LC				1
Polygonales	<i>Polygonaceae</i> C Buckwheat	spotted lady-s thumb	<i>Polygonum persicaria</i>		U				1
Polygonales	<i>Polygonaceae</i> C Buckwheat	creeping smartweed	<i>Polygonum cespitosum longisetum</i>		LC				1
Polygonales	<i>Polygonaceae</i> C Buckwheat	common sorrel [red sorrel, sheep sorrel]	<i>Rumex acetosella</i>		LC				1
Polygonales	<i>Polygonaceae</i> C Buckwheat	bitter dock [blunt-leaved dock, broad-leaved dock]	<i>Rumex obtusifolius</i>		U				1
Polygonales	<i>Polygonaceae</i> C Buckwheat	curly dock [sour dock, yellow dock]	<i>Rumex crispus</i>		O				1
Polygonales	<i>Polygonaceae</i> C Buckwheat	pale dock [smooth dock, water dock]	<i>Rumex altissimus</i>		R				1
Caryophyllales	<i>Chenopodiaceae</i> C Goosefoot	goosefoot	<i>Chenopodium standleyanum</i> [ <i>C. boscianum</i> ]		U				1
Caryophyllales	<i>Chenopodiaceae</i> C Goosefoot	lamb-s-quarters	<i>Chenopodium album</i>		O-LC				1
Caryophyllales	<i>Amaranthaceae</i> C Amaranth	pigweed	<i>Amaranthus</i> sp.						
Caryophyllales	<i>Phytolaccaceae</i> C Pokeweed	pokeweed	<i>Phytolacca americana</i>		O-LC				1

## Vascular Plants of Crab Orchard NWR (Continued)

Order	Family	Common Name(s)	Scientific Name(s)	Growth Form	Frequency of Occurrence	Status		Native /Exotic	Ref.
						Fed.	State		
Caryophyllales	<i>Portulacaceae</i> C Purslane	common garden purslane	<i>Portulaca oleracea</i>		LC				1
Caryophyllales	<i>Portulacaceae</i> C Purslane	spring beauty	<i>Claytonia virginica</i>		LA				1
Caryophyllales	<i>Caryophyllaceae</i> C Pink	nodding mouse-ear chickweed	<i>Cerastium nutans</i>		O				1
Caryophyllales	<i>Caryophyllaceae</i> C Pink	mouse-ear chickweed	<i>Cerastium pumilum</i>		O				1
Caryophyllales	<i>Caryophyllaceae</i> C Pink	common mouse-ear chickweed	<i>Cerastium vulgatum</i>		LC				1
Caryophyllales	<i>Caryophyllaceae</i> C Pink	common chickweed	<i>Stellaria media</i>		LA				1
Caryophyllales	<i>Caryophyllaceae</i> C Pink	thyme-leaved sandwort	<i>Arenaria serpyllifolia</i>		O				1
Caryophyllales	<i>Caryophyllaceae</i> C Pink	jagged chickweed	<i>Holosteum umbellatum</i>		U				1
Caryophyllales	<i>Caryophyllaceae</i> C Pink	Debtford pink	<i>Dianthus armeria</i>		LC				1
Caryophyllales	<i>Caryophyllaceae</i> C Pink	sleepy catchfly	<i>Silene antirrhina</i>		O				1
Caryophyllales	<i>Caryophyllaceae</i> C Pink	starry campion	<i>Silene stellata</i>		O				1
Magnoliales	<i>Magnoliaceae</i> C Magnolia	yellow-poplar [tulip-tree, tulip-poplar]	<i>Liriodendron tulipifera</i>	tree	O-LC			N	1
Magnoliales	<i>Annonaceae</i> C Custard-apple	common pawpaw [banana tree]	<i>Asimina triloba</i>	small tree	LC			N	1
Ranunculales	<i>Ranunculaceae</i> C Buttercup	wild columbine	<i>Aquilegia canadensis</i>		R				1
Ranunculales	<i>Ranunculaceae</i> C Buttercup	dwarf larkspur [wild larkspur]	<i>Delphinium tricorne</i>		LC				1
Ranunculales	<i>Ranunculaceae</i> C Buttercup	virgin-s bower	<i>Clematis virginiana</i>		O				1
Ranunculales	<i>Ranunculaceae</i> C Buttercup	bristly buttercup	<i>Ranunculus hispidus</i>		C				1
Ranunculales	<i>Ranunculaceae</i> C Buttercup	early buttercup	<i>Ranunculus fascicularis</i>		LC				1
Ranunculales	<i>Ranunculaceae</i> C Buttercup	hooked buttercup	<i>Ranunculus recurvatus</i>		O				1
Ranunculales	<i>Ranunculaceae</i> C Buttercup	little-leaf buttercup [small-flowered crowfoot]	<i>Ranunculus abortivus abortivus</i>		C				1
Ranunculales	<i>Ranunculaceae</i> C Buttercup	small-flowered crowfoot	<i>Ranunculus abortivus acrolasius</i>		U				1
Ranunculales	<i>Ranunculaceae</i> C Buttercup	small-flowered crowfoot	<i>Ranunculus micranthus</i>		O				1
Ranunculales	<i>Ranunculaceae</i> C Buttercup	goldenseal	<i>Hydrastis canadensis</i>		LC				1
Ranunculales	<i>Ranunculaceae</i> C Buttercup	tall anemone	<i>Anemone virginiana</i>		O				1

## Vascular Plants of Crab Orchard NWR (Continued)

Order	Family	Common Name(s)	Scientific Name(s)	Growth Form	Frequency of Occurrence	Status		Native /Exotic	Ref.
						Fed.	State		
Ranunculales	<i>Ranunculaceae</i> C Buttercup	doll-s-eyes [white baneberry]	<i>Actaea pachypoda</i>		LC				1
Ranunculales	<i>Ranunculaceae</i> C Buttercup	false rue-anemone	<i>Isopyrum biternatum</i>		LC				1
Ranunculales	<i>Berberidaceae</i> C Barberry	mayapple	<i>Podophyllum peltatum</i>		LA				1
Ranunculales	<i>Berberidaceae</i> C Barberry	blue cohosh	<i>Caulophyllum thalictroides</i>		U				1
Ranunculales	<i>Berberidaceae</i> C Barberry	Japanese barberry	<i>Berberis thunbergii</i>	shrub	R			E	1
Ranunculales	<i>Menispermaceae</i> C Moon-vine	moonseed	<i>Menispermum canadense</i>		O				1
Ranunculales	<i>Menispermaceae</i> C Moon-vine	cupseed	<i>Calycocarpum lyonii</i>		R				1
Nymphaeales	<i>Nelumbonaceae</i> C Lotus	American lotus [giant lotus lily]	<i>Nelumbo lutea</i>		LC				
Nymphaeales	<i>Nymphaeaceae</i> C Waterlily	spatterdock	<i>Nuphar luteum</i>		LA				1
Nymphaeales	<i>Ceratophyllaceae</i> C Hornwort	coontail [hornwort]	<i>Ceratophyllum demersum</i>		U				1
Magnoliales	<i>Lauraceae</i> C Laurel	common sassafras [red sassafras, white sassafras]	<i>Sassafras albidum</i>	tree	C			N	1
Magnoliales	<i>Lauraceae</i> C Laurel	spicebush [feverbush, wild allspice]	<i>Lindera benzoin</i>	shrub	LA			N	1
Papaverales	<i>Papaveraceae</i> C Poppy	bloodroot	<i>Sanguinaria canadensis</i>		C			N	1
Papaverales	<i>Papaveraceae</i> C Poppy	Celandine poppy [wood poppy]	<i>Stylophorum diphyllum</i>		LA				1
Papaverales	<i>Papaveraceae</i> C Poppy	Celandine	<i>Chelidonium majus</i>					E	2
Papaverales	<i>Fumariaceae</i> C Fumitory	pale corydalis	<i>Corydalis flavula</i>		LA				1
Papaverales	<i>Fumariaceae</i> C Fumitory	squirrel-corn	<i>Dicentra canadensis</i>		LA				1
Papaverales	<i>Fumariaceae</i> C Fumitory	Dutchman-s-breeches	<i>Dicentra cucullaria</i>		C				1
Capparales	<i>Cruciferae</i> C Mustard	mouse-eared cress	<i>Arabidopsis thaliana</i>		O				1
Capparales	<i>Cruciferae</i> C Mustard	smooth rock cress	<i>Arabis laevigata</i>		LC				
Capparales	<i>Cruciferae</i> C Mustard	wintercress [yellow rocket]	<i>Barbarea vulgaris</i>		O			E	1



## Vascular Plants of Crab Orchard NWR (Continued)

Order	Family	Common Name(s)	Scientific Name(s)	Growth Form	Frequency of Occurrence	Status		Native /Exotic	Ref.
						Fed.	State		
Capparales	<i>Cruciferae</i> C Mustard	bird-s rape [field mustard, turnip]	<i>Brassica rapa</i>		R				1
Capparales	<i>Cruciferae</i> C Mustard	shepherd-s-purse	<i>Capsella bursa-pastoris</i>		O			E	1
Capparales	<i>Cruciferae</i> C Mustard	Pennsylvania bitter cress	<i>Cardamine pensylvanica</i>		LC				1
Capparales	<i>Cruciferae</i> C Mustard	hairy bitter cress	<i>Cardamine hirsuta</i>		O			E	1
Capparales	<i>Cruciferae</i> C Mustard	small-flowered bitter cress	<i>Cardamine parviflora arenicola</i>		U				1
Capparales	<i>Cruciferae</i> C Mustard	toothwort [pepper-root]	<i>Dentaria laciniata</i>		LA			N	1
Capparales	<i>Cruciferae</i> C Mustard	short-fruited Whitlow-grass	<i>Draba brachycarpa</i>		O				1
Capparales	<i>Cruciferae</i> C Mustard	mouse-eared Whitlow-grass [vernal Whitlow-grass]	<i>Eriophila verna</i>		O				1
Capparales	<i>Cruciferae</i> C Mustard	common peppergrass [poor-man-s pepper]	<i>Lepidium virginicum</i>		O-LA				1
Capparales	<i>Cruciferae</i> C Mustard	field peppergrass [field cress]	<i>Lepidium campestre</i>		O				1
Hamamelidales	<i>Hamamelidaceae</i> C Witch-hazel	sweetgum [red gum]	<i>Liquidambar styraciflua</i>	tree	O-LA			N	1
Hamamelidales	<i>Platanaceae</i> C Planetree	American sycamore [button-wod]	<i>Platanus occidentalis</i>	tree	LC			N	1
Rosales	<i>Crassulaceae</i> C Stonecrop	widow-s-cross [stonecrop]	<i>Sedum pulchellum</i>		LC				1
Rosales	Escalloniaceae	Virginia willow [sweet-spires]	<i>Itea virginica</i>	shrub	?				
Rosales	<i>Saxifragaceae</i> C Saxifrage	ditch stonecrop	<i>Penthorum sedoides</i>		O				1
Rosales	<i>Saxifragaceae</i> C Saxifrage	wild hydrangea	<i>Hydrangea arborescens</i>	shrub	O			N	
Rosales	<i>Saxifragaceae</i> C Saxifrage	Forbes- saxifrage	<i>Saxifraga forbesii</i>		LA				1
Rosales	<i>Saxifragaceae</i> C Saxifrage	bishop-s-cap	<i>Mitella diphylla</i>		R				1
Rosales	<i>Saxifragaceae</i> C Saxifrage	small-flowered alumroot [late alumroot]	<i>Heuchera parviflora rugelii</i>		LC				1
Rosales	<i>Saxifragaceae</i> C Saxifrage	tall alumroot	<i>Heuchera americana hirsuticaulis</i>		C				1

## Vascular Plants of Crab Orchard NWR (Continued)

Order	Family	Common Name(s)	Scientific Name(s)	Growth Form	Frequency of Occurrence	Status		Native /Exotic	Ref.
						Fed.	State		
Rosales	Rosaceae C Rose	Allegheny blackberry [common blackberry]	<i>Rubus allegheniensis</i>		C				1
Rosales	Rosaceae C Rose	blackberry	<i>Rubus alumnus [R. orarius]</i>		O				1
Rosales	Rosaceae C Rose	arching dewberry [southern dewberry]	<i>Rubus enslenii</i>		U				1
Rosales	Rosaceae C Rose	dewberry	<i>Rubus flagellaris</i>		C				1
Rosales	Rosaceae C Rose	black raspberry [blackcap raspberry]	<i>Rubus occidentalis</i>		LC				1
Rosales	Rosaceae C Rose	blackberry	<i>Rubus pennsylvanicus</i>		C				1
Rosales	Rosaceae C Rose	velvet-leaved dewberry	<i>Rubus roribaccus</i>		LC				1
Rosales	Rosaceae C Rose	hawthorn	<i>Crataegus pruinosa</i>		?			N	
Rosales	Rosaceae C Rose	red haw	<i>Crataegus mollis</i>		C			N	
Rosales	Rosaceae C Rose	cock-spur hawthorn	<i>Crataegus crus-galli</i>	small tree	O			N	
Rosales	Rosaceae C Rose	serviceberry [shadbush, shad-blow, juneberry]	<i>Amelanchier arborea</i>	small tree	LC			N	1
Rosales	Rosaceae C Rose	common apple	<i>Malus pumila</i>	tree	R				
Rosales	Rosaceae C Rose	wild sweet crabapple	<i>Malus coronaria</i>	tree	U				1
Rosales	Rosaceae C Rose	Iowa crabapple	<i>Malus ioensis</i>	tree	U				1
Rosales	Rosaceae C Rose	common pear	<i>Pyrus communis</i>	tree	R				
Rosales	Rosaceae C Rose	pasture rose	<i>Rosa carolina</i>	vine	C			N	1
Rosales	Rosaceae C Rose	swamp rose	<i>Rosa palustris</i>	vine	O			N	
Rosales	Rosaceae C Rose	multiflora rose [Japanese rose]	<i>Rosa multiflora</i>	shrub	A			E	1
Rosales	Rosaceae C Rose	Illinois rose [prairie rose, climbing rose]	<i>Rosa setigera</i>		O-LC				
Rosales	Rosaceae C Rose		<i>Rosa sp. (Hybrid cultivar)</i>						
Rosales	Rosaceae C Rose	black cherry	<i>Prunus serotina</i>	tree	C			N	1

## Vascular Plants of Crab Orchard NWR (Continued)

Order	Family	Common Name(s)	Scientific Name(s)	Growth Form	Frequency of Occurrence	Status		Native /Exotic	Ref.
						Fed.	State		
Rosales	Rosaceae C Rose	American plum [wild plum]	<i>Prunus americana</i>	shrub	C			N	1
Rosales	Rosaceae C Rose	Chickasaw plum	<i>Prunus angustifolia</i>		LC				1
Rosales	Rosaceae C Rose	wild goose plum	<i>Prunus hortulana</i>		U				1
Rosales	Rosaceae C Rose	peach	<i>Prunus persica</i>	tree	R				1
Rosales	Rosaceae C Rose	swamp agrimony [small-flowered agrimony]	<i>Agrimonia parviflora</i>		LC				1
Rosales	Rosaceae C Rose	soft agrimony	<i>Agrimonia pubescens</i>		U				1
Rosales	Rosaceae C Rose	woodland agrimony	<i>Agrimonia rostellata</i>		C				1
Rosales	Rosaceae C Rose	wild strawberry	<i>Fragaria virginiana</i>		LC				1
Rosales	Rosaceae C Rose	white avens	<i>Geum canadense</i>		C				1
Rosales	Rosaceae C Rose	spring avens	<i>Geum vernum</i>		LC				1
Rosales	Rosaceae C Rose	sulfur cinquefoil	<i>Potentilla recta</i>		LC			E	1
Rosales	Rosaceae C Rose	common cinquefoil	<i>Potentilla simplex</i>		C				1
Rosales	Rosaceae C Rose	Indian physic [American ipecac]	<i>Porteranthus stipulatus</i> [ <i>Gillenia stipulata</i> ]		C				1
Rosales	Caesalpiniaceae C Caesalpinia	eastern redbud	<i>Cercis canadensis</i>	tree	O-C			N	1
Rosales	Caesalpiniaceae C Caesalpinia	honeylocust	<i>Gleditsia triacanthos</i>	tree	O			N	1
Rosales	Caesalpiniaceae C Caesalpinia	Kentucky coffeetree	<i>Gymnocladus dioicus</i>	tree	O			N?	
Rosales	Caesalpiniaceae C Caesalpinia	wild senna	<i>Cassia marilandica</i>						
Rosales	Caesalpiniaceae C Caesalpinia	partridge pea [locust-weed]	<i>Cassia fasciculata</i>						
Rosales	Fabaceae C Bean	kudzu-vine	<i>Puereria lobata</i>	vine	R			E	
Rosales	Fabaceae C Bean	soybean	<i>Glycine max</i>		LA			E	
Rosales	Fabaceae C Bean	American wisteria	<i>Wisteria frutescens</i>	vine	?				

## Vascular Plants of Crab Orchard NWR (Continued)

Order	Family	Common Name(s)	Scientific Name(s)	Growth Form	Frequency of Occurrence	Status		Native /Exotic	Ref.
						Fed.	State		
Rosales	<i>Fabaceae</i> CBean	sesbania	<i>Sesbania macrocarpa</i> [ <i>S. exaltata</i> ]		LC				
Rosales	<i>Fabaceae</i> CBean	dull-leaf indigobush [false indigobush]	<i>Amorpha fruticosa</i>	shrub	R			N	1
Rosales	<i>Fabaceae</i> CBean	black-locust	<i>Robinia pseudoacacia</i>	tree	LC			N?	1
Rosales	<i>Fabaceae</i> CBean	rattlebox	<i>Crotalaria sagittalis</i>		O				1
Rosales	<i>Fabaceae</i> CBean	pencil-flower	<i>Stylosanthes biflora</i>		O				1
Rosales	<i>Fabaceae</i> CBean	low hop clover	<i>Trifolium campestre</i>		O				1
Rosales	<i>Fabaceae</i> CBean	Alsike clover	<i>Trifolium hybridum</i>		U				1
Rosales	<i>Fabaceae</i> CBean	red clover	<i>Trifolium pratense</i>		LC				1
Rosales	<i>Fabaceae</i> CBean	white clover	<i>Trifolium repens</i>		LC				1
Rosales	<i>Fabaceae</i> CBean	black medic	<i>Medicago lupulina</i>		O				1
Rosales	<i>Fabaceae</i> CBean	alfalfa	<i>Medicago sativa</i>		U				1
Rosales	<i>Fabaceae</i> CBean	butterfly-pea	<i>Clitoria mariana</i>		U				1
Rosales	<i>Fabaceae</i> CBean	hoary tick trefoil	<i>Desmodium canescens</i>		O				1
Rosales	<i>Fabaceae</i> CBean	hairy tick trefoil	<i>Desmodium ciliare</i>		LC				1
Rosales	<i>Fabaceae</i> CBean	beggar-s lice [pointed tick trefoil]	<i>Desmodium glutinosum</i>		U				1
Rosales	<i>Fabaceae</i> CBean	glaucus tick trefoil	<i>Desmodium laevigatum</i>		C				1
Rosales	<i>Fabaceae</i> CBean	bare-stemmed tick trefoil	<i>Desmodium nudiflorum</i>		LC				1
Rosales	<i>Fabaceae</i> CBean	Nuttall-s tick trefoil	<i>Desmodium nuttallii</i>		O				1
Rosales	<i>Fabaceae</i> CBean	stiff tick trefoil	<i>Desmodium obtusum</i>		U				1
Rosales	<i>Fabaceae</i> CBean	panicled tick trefoil	<i>Desmodium paniculatum</i>		C				1
Rosales	<i>Fabaceae</i> CBean	beggar-s lice [white-flowered tick trefoil]	<i>Desmodium pauciflorum</i>		U				1
Rosales	<i>Fabaceae</i> CBean	round-leaved tick trefoil	<i>Desmodium rotundifolium</i>		U				1
Rosales	<i>Fabaceae</i> CBean	sessile-leaved tick trefoil	<i>Desmodium sessilifolium</i>		U				1

## Vascular Plants of Crab Orchard NWR (Continued)

Order	Family	Common Name(s)	Scientific Name(s)	Growth Form	Frequency of Occurrence	Status		Native /Exotic	Ref.
						Fed.	State		
Rosales	<i>Fabaceae</i> CBean	scurf-pea [Sampson's snakeroot]	<i>Psoralea psoraloides eglan-dulosa</i>		LC				1
Rosales	<i>Fabaceae</i> CBean	wild bean	<i>Strophostyles helvola</i>		O				1
Rosales	<i>Fabaceae</i> CBean	wild bean	<i>Strophostyles leiosperma</i>		O				1
Rosales	<i>Fabaceae</i> CBean	umbellate wild bean	<i>Strophostyles umbellata</i>		U				1
Rosales	<i>Fabaceae</i> CBean	hog-peanut	<i>Amphicarpa bracteata bracteata</i>		U				1
Rosales	<i>Fabaceae</i> CBean	hog-peanut	<i>Amphicarpa bracteata comosa</i>		O				1
Rosales	<i>Fabaceae</i> CBean	hairy-fruited vetch	<i>Vicia dasycarpa</i>		LA				1
Rosales	<i>Fabaceae</i> CBean	ground nut	<i>Apios americana</i>		LC				1
Rosales	<i>Fabaceae</i> CBean	goat-s-rue	<i>Tephrosia virginiana</i>		O				1
Rosales	<i>Mimosaceae</i>	mimosa	<i>Albizia julibrissin</i>	tree	R			E	
Rosales	<i>Mimosaceae</i>	Illinois/prairie mimosa [Illinois bundleflower]	<i>Desmanthus illinoensis</i>					N	
Geraniales	<i>Geraniaceae</i> C Geranium	Carolina cranesbill	<i>Geranium carolinianum</i>		LC				1
Geraniales	<i>Geraniaceae</i> C Geranium	wild geranium	<i>Geranium maculatum</i>		C				1
Geraniales	<i>Oxalidaceae</i> C Wood-sorrel	upright yellow wood-sorrel	<i>Oxalis dillenii</i>		A				1
Geraniales	<i>Oxalidaceae</i> C Wood-sorrel	common wood-sorrel [yellow wood sorrel]	<i>Oxalis stricta</i>		U				1
Geraniales	<i>Oxalidaceae</i> C Wood-sorrel	violet wood-sorrel [purple oxalis]	<i>Oxalis violacea</i>		LC-O				1
Geraniales	<i>Balsaminaceae</i> C Balsam	orange-spotted touch-me-not [jewelweed]	<i>Impatiens capensis [I. Biflora]</i>		LA				1
Geraniales	<i>Balsaminaceae</i> C Balsam	pale touch-me-not	<i>Impatiens pallida</i>		LA				1
Linales	<i>Linaceae</i> C Flax	flax	<i>Linum medium</i>		LC				1
Linales	<i>Linaceae</i> C Flax	stiff yellow flax	<i>Linum striatum</i>		U-R				1
Sapindales	<i>Rutaceae</i> C Rue	prickly-ash [toothache tree]	<i>Zanthoxylum americanum</i>		U-R				1

## Vascular Plants of Crab Orchard NWR (Continued)

Order	Family	Common Name(s)	Scientific Name(s)	Growth Form	Frequency of Occurrence	Status		Native /Exotic	Ref.
						Fed.	State		
Sapindales	<i>Simarubaceae</i> C Quassia	tree-of-heaven	<i>Ailanthus altissima</i>	tree	U-R			E	1
Sapindales	<i>Anacardiaceae</i> C Sumac	smooth sumac	<i>Rhus glabra</i>	shrub	C			N	1
Sapindales	<i>Anacardiaceae</i> C Sumac	winged [shining, dwarf] sumac	<i>Rhus copallina</i>	shrub	C			N	1
Sapindales	<i>Anacardiaceae</i> C Sumac	fragrant sumac [aromatic sumac]	<i>Rhus aromatica</i>	shrub	O			N	1
Sapindales	<i>Anacardiaceae</i> C Sumac	poison-ivy	<i>Toxicodendron radicans</i>	shrub, vine	A			N	1
Sapindales	<i>Staphyleaceae</i> C Bladdernut	American bladdernut	<i>Staphylea trifolia</i>	shrub	LA			N	1
Sapindales	<i>Aceraceae</i> C Maple	sugar maple [hard maple, rock maple]	<i>Acer saccharum</i>	tree	C			N	1
Sapindales	<i>Aceraceae</i> C Maple	southern sugar maple	<i>Acer barbatum</i>	tree	O			N	
Sapindales	<i>Aceraceae</i> C Maple	silver maple [river, soft, white maple]	<i>Acer saccharinum</i>	tree	C			N	1
Sapindales	<i>Aceraceae</i> C Maple	red maple	<i>Acer rubrum</i> var. <i>rubrum</i>	tree	O			N	1
Sapindales	<i>Aceraceae</i> C Maple	red maple	<i>Acer rubrum</i> var. <i>trilobum</i>	tree	R			N	1
Sapindales	<i>Aceraceae</i> C Maple	boxelder [ash-leaved maple]	<i>Acer negundo</i>	tree	O-LA			N	1
Polygalales	<i>Polygalaceae</i> C Milkwort	red milkwort [field milkwort]	<i>Polygala sanguinea</i>		O				1
Euphorbiales	<i>Euphorbiaceae</i> C Spurge	nodding spurge [wartweed]	<i>Chamaesyce maculata</i> [ <i>Euphorbia maculata</i> ]		C				1
Euphorbiales	<i>Euphorbiaceae</i> C Spurge	milk spurge	<i>Chamaesyce supina</i> [ <i>Euphorbia supina</i> ]		LC				1
Euphorbiales	<i>Euphorbiaceae</i> C Spurge	milk spurge	<i>Chamaesyce humistrata</i> [ <i>Euphorbia humistrata</i> ]		U				1
Euphorbiales	<i>Euphorbiaceae</i> C Spurge	flowering spurge	<i>Euphorbia corollata</i>		C				1
Euphorbiales	<i>Euphorbiaceae</i> C Spurge	wood spurge	<i>Euphorbia commutata</i>		LC				1
Euphorbiales	<i>Euphorbiaceae</i> C Spurge	wild poinsettia	<i>Euphorbia dentata</i> [ <i>Poinsettia dentata</i> ]		O				1
Euphorbiales	<i>Euphorbiaceae</i> C Spurge	sand croton [rushfoil]	<i>Crotonopsis elliptica</i>		LC				1

## Vascular Plants of Crab Orchard NWR (Continued)

Order	Family	Common Name(s)	Scientific Name(s)	Growth Form	Frequency of Occurrence	Status		Native /Exotic	Ref.
						Fed.	State		
Euphorbiales	<i>Euphorbiaceae</i> C Spurge	capitate croton [wooly croton]	<i>Croton capitatus</i>		O				1
Euphorbiales	<i>Euphorbiaceae</i> C Spurge	croton [prairie tea]	<i>Croton monanthogynus</i>		LC				1
Euphorbiales	<i>Euphorbiaceae</i> C Spurge	slender three-seeded mercury	<i>Acalypha gracilens</i>		O				1
Euphorbiales	<i>Euphorbiaceae</i> C Spurge	three-seeded mercury	<i>Acalypha rhomboidea</i>		C				1
Euphorbiales	<i>Euphorbiaceae</i> C Spurge	Virginia three-seeded mercury	<i>Acalypha virginica</i>		O				1
Celastrales	<i>Celastraceae</i> C Staff-tree	bittersweet [climbing bitter-sweet]	<i>Celastrus scandens</i>	vine	C			N	1
Celastrales	<i>Celastraceae</i> C Staff-tree	eastern wahoo [burningbush]	<i>Euonymus atropurpureus</i>	shrub	O			N	1
Celastrales	<i>Celastraceae</i> C Staff-tree	climbing euonymus [winter creeper]	<i>Euonymus fortunei</i> var. <i>radicans</i>	vine	O			E	
Celastrales	<i>Aquifoliaceae</i> C Holly	deciduous holly [swamp holly]	<i>Ilex decidua</i>	shrub	R			N	1
Celastrales	<i>Aquifoliaceae</i> C Holly	American holly	<i>Ilex opaca</i>	shrub	R			N	
Rhamnales	<i>Rhamnaceae</i> C Buckthorn	New-Jersey-tea [wild snowball]	<i>Ceanothus americanus</i>	shrub	O			N	1
Rhamnales	<i>Vitaceae</i> C Grape	Virginia creeper	<i>Parthenocissus quinquefolia</i>	vine	C			N	1
Rhamnales	<i>Vitaceae</i> C Grape	raccoon grape	<i>Ampelopsis cordata</i>	vine	U			N	1
Rhamnales	<i>Vitaceae</i> C Grape	summer grape	<i>Vitis aestivalis</i>	vine	C			N	1
Rhamnales	<i>Vitaceae</i> C Grape	winter grape	<i>Vitis cinerea</i>	vine	U			N	1
Rhamnales	<i>Vitaceae</i> C Grape	frost grape	<i>Vitis vulpina</i>	vine	O			N	1
Malvales	<i>Tiliaceae</i> C Linden	American linden [basswood]	<i>Tilia americana</i>	tree	U-R			N	1
Malvales	<i>Malvaceae</i> C Mallow	prickly sida	<i>Sida spinosa</i>		O			E	1
Theales	<i>Hypericaceae</i> C St. John-s-wort	marsh St. John-s-wort	<i>Triadenum walteri</i>		O				1
Theales	<i>Hypericaceae</i> C St. John-s-wort	shrubby St. John's-wort	<i>Hypericum prolificum</i>	shrub	LC			N	1
Theales	<i>Hypericaceae</i> C St. John-s-wort	nits-and-lice	<i>Hypericum drummondii</i>		U				1

## Vascular Plants of Crab Orchard NWR (Continued)

Order	Family	Common Name(s)	Scientific Name(s)	Growth Form	Frequency of Occurrence	Status		Native /Exotic	Ref.
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Theales	<i>Hypericaceae</i> C St. John-s-wort	pineweed	<i>Hypericum gentianoides</i>		O				1
Theales	<i>Hypericaceae</i> C St. John-s-wort	dwarf St. John-s-wort	<i>Hypericum mutilum</i>		O				1
Theales	<i>Hypericaceae</i> C St. John-s-wort	common St. John-s-wort	<i>Hypericum perforatum</i>		U				1
Theales	<i>Hypericaceae</i> C St. John-s-wort	spotted St. John-s-wort	<i>Hypericum punctatum</i>		O				1
Theales	<i>Hypericaceae</i> C St. John-s-wort	St. Andrew-s cross	<i>Hypericum stragulum</i>		O				1
Violales	<i>Cistaceae</i> C Rockrose	narrow-leaved pinweed	<i>Lechea tenuifolia</i>		O				1
Violales	<i>Violaceae</i> C Violet	common blue violet	<i>Viola pratensis</i>		LC				1
Violales	<i>Violaceae</i> C Violet	downy yellow violet	<i>Viola pubescens</i>		C				1
Violales	<i>Violaceae</i> C Violet	Johnny-jump-up [wild pansy]	<i>Viola rafinesquii</i>		LA				1
Violales	<i>Violaceae</i> C Violet	wooly blue violet	<i>Viola sororia</i>		C				1
Violales	<i>Violaceae</i> C Violet	cream violet [common white violet]	<i>Viola striata</i>		LA				1
Violales	<i>Violaceae</i> C Violet	cleft violet	<i>Viola triloba var. triloba</i>		C				1
Violales	<i>Violaceae</i> C Violet	lobed violet [cleft violet]	<i>Viola triloba var. dilatata [V. falcata]</i>		O				1
Violales	<i>Violaceae</i> C Violet	green violet	<i>Hybanthus concolor</i>		LC				1
Violales	<i>Passifloraceae</i> C Passion-flower	small passion-flower	<i>Passiflora lutea var. glabriflora</i>		O				1
Violales	<i>Passifloraceae</i> C Passion-flower	large passion-flower [may-pops]	<i>Passiflora incarnata</i>		R				1
Proteales	<i>Elaeagnaceae</i> C Oleaster	autumn-olive [oleaster]	<i>Elaeagnus umbellata</i>	shrub	LC			E	1
Myrtales	<i>Lythraceae</i> C Loosestrife	tooth-cup	<i>Rotala ramosior</i>		O				1
Myrtales	<i>Lythraceae</i> C Loosestrife	purple loosestrife	<i>Lythrum salicaria</i>	shrub	R			E	



## Vascular Plants of Crab Orchard NWR (Continued)

Order	Family	Common Name(s)	Scientific Name(s)	Growth Form	Frequency of Occurrence	Status		Native /Exotic	Ref.
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Myrtales	<i>Lythraceae</i> C Loosestrife	water-willow [swamp loosestrife]	<i>Decodon verticillatus</i>						
Myrtales	<i>Onagraceae</i> C Evening Primrose	enchanter-s nightshade	<i>Circaea lutetiana</i>		O				1
Myrtales	<i>Onagraceae</i> C Evening Primrose	marsh purslane	<i>Ludwigia palustris</i> var. <i>americana</i>		U				1
Myrtales	<i>Onagraceae</i> C Evening Primrose	seedbox	<i>Ludwigia alternifolia</i>		LC				1
Myrtales	<i>Onagraceae</i> C Evening Primrose	creeping primrose willow	<i>Ludwigia peploides</i>		LC				1
Myrtales	<i>Onagraceae</i> C Evening Primrose	common evening primrose	<i>Oenothera biennis</i>		C				1
Myrtales	<i>Onagraceae</i> C Evening Primrose	ragged evening primrose	<i>Oenothera laciniata</i>		U				1
Myrtales	<i>Onagraceae</i> C Evening Primrose	cinnamon willow herb	<i>Epilobium coloratum</i>		O				1
Caryophyllales	<i>Cactaceae</i> C Cactus	prickly-pear	<i>Opuntia humifusa</i> [ <i>O. rafinesquii</i> , <i>O. compressa</i> ]						1
Haloragales	<i>Haloragidaceae</i> C Water Milfoil	spiked water milfoil	<i>Myriophyllum exalbescentis</i>		LA				1
Lamiales	<i>Callitrichaceae</i> C Water Starwort	terrestrial starwort [water starwort]	<i>Callitriche terestris</i>		O				1
Cornales	<i>Cornaceae</i> C Dogwood	blackgum [sour gum, black tupelo]	<i>Nyssa sylvatica</i>	tree	O			N	
Cornales	<i>Cornaceae</i> C Dogwood	flowering dogwood [white dogwood]	<i>Cornus florida</i>	small tree	C			N	1
Cornales	<i>Cornaceae</i> C Dogwood	rough-leaved dogwood	<i>Cornus drummondii</i>	shrub	O			N	1
Cornales	<i>Cornaceae</i> C Dogwood	gray [panicled] dogwood	<i>Cornus racemosa</i>	shrub	O			N	
Umbellales	<i>Araliaceae</i> C Ginseng	devil's-walking-stick [Hercules'-club, angelica-tree]	<i>Aralia spinosa</i>	small tree	O			N	1

## Vascular Plants of Crab Orchard NWR (Continued)

Order	Family	Common Name(s)	Scientific Name(s)	Growth Form	Frequency of Occurrence	Status		Native /Exotic	Ref.
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Umbellales	<i>Araliaceae</i> C Ginseng	American spikenard	<i>Aralia racemosa</i>		R				1
Umbellales	<i>Araliaceae</i> C Ginseng	ginseng	<i>Panax quinquefolium</i>		U				1
Umbellales	<i>Apiaceae</i> CCarrot or Parsley	rattlesnake master	<i>Eryngium yuccifolium</i>						1
Umbellales	<i>Apiaceae</i> CCarrot or Parsley	Queen Anne-s lace [wild carrot]	<i>Daucus carota</i>					E	1
Umbellales	<i>Apiaceae</i> CCarrot or Parsley	water hemlock	<i>Cicuta maculata</i>						1
Umbellales	<i>Apiaceae</i> CCarrot or Parsley	wood angelica	<i>Angelica venenosa</i>		R				1
Umbellales	<i>Apiaceae</i> CCarrot or Parsley	wild chervil	<i>Chaerophyllum procumbens</i>		LC				1
Umbellales	<i>Apiaceae</i> CCarrot or Parsley	wild chervil	<i>Chaerophyllum tainturieri</i>		U				1
Umbellales	<i>Apiaceae</i> CCarrot or Parsley	honewort	<i>Cryptotaenia canadensis</i>		LC				1
Umbellales	<i>Apiaceae</i> CCarrot or Parsley	harbinger-of-spring [pepper-and-salt]	<i>Erigenia bulbosa</i>		C				1
Umbellales	<i>Apiaceae</i> CCarrot or Parsley	anise-root	<i>Osmorhiza longistylis</i>						1
Umbellales	<i>Apiaceae</i> CCarrot or Parsley	Canadian black snakeroot [short-styled snakeroot]	<i>Sanicula canadensis</i>		C				1
Umbellales	<i>Apiaceae</i> CCarrot or Parsley	yellow meadow parsnip	<i>Thaspium trifoliatum</i> var. <i>flavum</i>		R				1
Umbellales	<i>Apiaceae</i> CCarrot or Parsley	meadow parsnip	<i>Thaspium trifoliatum</i> var. <i>trifoliatum</i>		O				1
Umbellales	<i>Apiaceae</i> CCarrot or Parsley	hedge parsley	<i>Torilis japonica</i>		LC				1
Ericales	<i>Ericaceae</i> C Heath	farkleberry	<i>Vaccinium arboreum</i>	shrub	C			N	1
Primulales	<i>Primulaceae</i> C Primrose	shooting-star	<i>Dodecatheon meadia</i>		LC				1
Primulales	<i>Primulaceae</i> C Primrose	French-s shooting-star	<i>Dodecatheon frenchii</i>		LC				1
Primulales	<i>Primulaceae</i> C Primrose	brookweed [water pimpernel]	<i>Samolus valerandii</i>		U				1
Primulales	<i>Primulaceae</i> C Primrose	fringed loosestrife	<i>Lysimachia ciliata</i>		LC				1
Primulales	<i>Primulaceae</i> C Primrose	lance-leaved loosestrife [narrow-leaved loosestrife]	<i>Lysimachia lanceolata</i>		O				1

## Vascular Plants of Crab Orchard NWR (Continued)

Order	Family	Common Name(s)	Scientific Name(s)	Growth Form	Frequency of Occurrence	Status		Native /Exotic	Ref.
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Ebenales	<i>Ebenaceae</i> C Ebony	common persimmon [possum-wood]	<i>Diospyros virginiana</i>	tree	A			N	1
Scrophulariales	<i>Oleaceae</i> C Olive	white ash	<i>Fraxinus americana</i>	tree	O			N	1
Scrophulariales	<i>Oleaceae</i> C Olive	green ash	<i>Fraxinus pennsylvanica</i>	tree	A			N	1
Scrophulariales	<i>Oleaceae</i> C Olive	Forsythia	<i>Forsythia spp.</i>	shrub	R				
Scrophulariales	<i>Oleaceae</i> C Olive	common lilac	<i>Syringa vulgaris</i>	shrub	R				
Scrophulariales	<i>Oleaceae</i> C Olive	European privet	<i>Ligustrum vulgare</i>	shrub	R			E	
Gentianales	<i>Gentianaceae</i> C Gentian	American columbo	<i>Frasera carolinensis</i>		O				1
Gentianales	<i>Gentianaceae</i> C Gentian	rose gentian [rose pink, marsh pink]	<i>Sabatia angularis</i>		O				1
Gentianales	<i>Apocynaceae</i> C Dogbane	dogbane [Indian hemp]	<i>Apocynum cannabinum</i>		LC				1
Gentianales	<i>Asclepiadaceae</i> C Milkweed	tall green milkweed	<i>Asclepias hirtella</i>		U				1
Gentianales	<i>Asclepiadaceae</i> C Milkweed	swamp milkweed	<i>Asclepias incarnata</i>		LC				1
Gentianales	<i>Asclepiadaceae</i> C Milkweed	purple milkweed	<i>Asclepias purpurascens</i>		O				1
Gentianales	<i>Asclepiadaceae</i> C Milkweed	common milkweed	<i>Asclepias syriaca</i>		C				1
Gentianales	<i>Asclepiadaceae</i> C Milkweed	butterfly-weed	<i>Asclepias tuberosa var. interior</i>		C				1
Gentianales	<i>Asclepiadaceae</i> C Milkweed	variegated milkweed [white milkweed]	<i>Asclepias variegata</i>		O				1
Gentianales	<i>Asclepiadaceae</i> C Milkweed	horsetail milkweed [whorled milkweed]	<i>Asclepias verticillata</i>		O				1
Gentianales	<i>Asclepiadaceae</i> C Milkweed	blue vine	<i>Cynanchum laeve</i>		O				1
Polemoniales	<i>Convolvulaceae</i> C Morning-glory	small white morning-glory	<i>Ipomoea lacunosa</i>		O				1
Polemoniales	<i>Convolvulaceae</i> C Morning-glory	wild sweet potato vine	<i>Ipomoea pandurata</i>		U				1
Polemoniales	<i>Polemoniaceae</i> C Phlox	cleft phlox	<i>Phlox bifida</i>		LC				1
Polemoniales	<i>Polemoniaceae</i> C Phlox	blue phlox	<i>Phlox divaricata ssp. laphamii</i>		C				1

## Vascular Plants of Crab Orchard NWR (Continued)

Order	Family	Common Name(s)	Scientific Name(s)	Growth Form	Frequency of Occurrence	Status		Native /Exotic	Ref.
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Polemoniales	<i>Polemoniaceae</i> C Phlox	garden phlox	<i>Phlox paniculata</i>		O-LC				1
Polemoniales	<i>Polemoniaceae</i> C Phlox	Jacob-s-ladder	<i>Polemonium reptans</i>		C				1
Polemoniales	<i>Hydrophyllaceae</i> C Water-leaf	broad-leaved waterleaf	<i>Hydrophyllum canadense</i>		LA				1
Polemoniales	<i>Hydrophyllaceae</i> C Water-leaf		<i>Phacelia bipinnatifida</i>		C				1
Lamiales	<i>Boraginaceae</i> C Borage	wild comfrey	<i>Cynoglossum virginianum</i>		O				1
Lamiales	<i>Boraginaceae</i> C Borage	stickseed	<i>Hackelia virginiana</i>		LC				1
Lamiales	<i>Boraginaceae</i> C Borage	bluebells [Virginia cowslip]	<i>Mertensia virginica</i>		LA				1
Lamiales	<i>Boraginaceae</i> C Borage	scorpion-grass	<i>Myosotis macrosperma</i>		O				1
Lamiales	<i>Verbenaceae</i> C Verbena	blue vervain	<i>Verbena hastata</i>		O				1
Lamiales	<i>Verbenaceae</i> C Verbena		<i>Verbena X illicita</i>		R				1
Lamiales	<i>Verbenaceae</i> C Verbena	narrow-leaved vervain	<i>Verbena simplex</i>		U				1
Lamiales	<i>Verbenaceae</i> C Verbena	white vervain	<i>Verbena urticifolia</i>		O				1
Lamiales	<i>Verbenaceae</i> C Verbena	fog-fruit	<i>Phyla lanceolata</i>		LC				1
Lamiales	<i>Lamiaceae</i> C Mint	lyre-leaved sage [cancer-weed]	<i>Salvia lyrata</i>		O				1
Lamiales	<i>Lamiaceae</i> C Mint	downy skullcap	<i>Scutellaria incana</i>		LC				1
Lamiales	<i>Lamiaceae</i> C Mint	mad-dog skullcap	<i>Scutellaria lateriflora</i>		O				1
Lamiales	<i>Lamiaceae</i> C Mint	small skullcap	<i>Scutellaria leonardii</i>		U				1
Lamiales	<i>Lamiaceae</i> C Mint	ground ivy [gill-over-the-ground]	<i>Glechoma hederacea</i> var. <i>micrantha</i>		LC			E	1
Lamiales	<i>Lamiaceae</i> C Mint	burgamot mint [Monarda, bee balm]	<i>Monarda bradburiana</i>		LC				1
Lamiales	<i>Lamiaceae</i> C Mint	wild bergamot	<i>Monarda fistulosa</i>		O				1
Lamiales	<i>Lamiaceae</i> C Mint	henbit	<i>Lamium amplexicaule</i>		O			E	1
Lamiales	<i>Lamiaceae</i> C Mint	purple dead nettle	<i>Lamium purpureum</i>		LA			E	1
Lamiales	<i>Lamiaceae</i> C Mint	pagoda plant [wood mint]	<i>Blephilia ciliata</i>		O				1

## Vascular Plants of Crab Orchard NWR (Continued)

Order	Family	Common Name(s)	Scientific Name(s)	Growth Form	Frequency of Occurrence	Status		Native /Exotic	Ref.
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Lamiales	Lamiaceae C Mint	pagoda plant	<i>Blephilia hirsuta</i>		LC				1
Lamiales	Lamiaceae C Mint	stone mint [dittany]	<i>Cunila origanoides</i>		C-O				1
Lamiales	Lamiaceae C Mint	common water horehound	<i>Lycopus americanus</i>		O				1
Lamiales	Lamiaceae C Mint	bugle weed	<i>Lycopus virginicus</i>		LC				1
Lamiales	Lamiaceae C Mint	self heal [heal-all]	<i>Prunella vulgaris var. elongata</i>		LC				1
Lamiales	Lamiaceae C Mint	mountain mint	<i>Pycnanthemum pycnanthemoides</i>		O				1
Lamiales	Lamiaceae C Mint	slender mountain mint	<i>Pycnanthemum tenuifolium</i> [ <i>P. flexuosum</i> ]		C				1
Lamiales	Lamiaceae C Mint	American germander [wood sage]	<i>Teucrium canadense var. virginicum</i>		O				1
Lamiales	Lamiaceae C Mint	richweed [citronella horse balm]	<i>Collinsonia canadensis</i>		U				1
Lamiales	Lamiaceae C Mint	yellow giant hyssop	<i>Agastache nepetoides</i>		R				1
Lamiales	Lamiaceae C Mint	beefsteak plant	<i>Perilla frutescens</i>		LC				1
Lamiales	Lamiaceae C Mint	hairy synandra [white-flowered mint, synandra]	<i>Synandra hispidula</i>		R		E		
Lamiales	Lamiaceae C Mint	false pennyroyal	<i>Trichostema brachiatum</i>		LC				1
Polemoniales	Solanaceae C Nightshade	ground-cherry	<i>Physalis heterophylla</i>		U				1
Polemoniales	Solanaceae C Nightshade	annual ground-cherry	<i>Physalis pubescens</i>		R				1
Polemoniales	Solanaceae C Nightshade	horse-nettle	<i>Solanum carolinense</i>		O				1
Polemoniales	Solanaceae C Nightshade	black nightshade	<i>Solanum ptycanthum</i>		U				1
Scrophulariales	Scrophulariaceae C Figwort	moth mullein	<i>Verbascum blattaria</i>		O				1
Scrophulariales	Scrophulariaceae C Figwort	wooly mullein	<i>Verbascum thapsus</i>		C			E	1
Scrophulariales	Scrophulariaceae C Figwort	candelabra plant [Culvers-root]	<i>Veronicastrum virginicum</i>		O				1
Scrophulariales	Scrophulariaceae C Figwort	corn speedwell [blue speedwell]	<i>Veronica arvensis</i>		C				1

## Vascular Plants of Crab Orchard NWR (Continued)

Order	Family	Common Name(s)	Scientific Name(s)	Growth Form	Frequency of Occurrence	Status		Native /Exotic	Ref.
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Scrophulariales	Scrophulariaceae	C Figwort purslane speedwell [white speedwell]	<i>Veronica peregrina</i>		C				1
Scrophulariales	Scrophulariaceae	C Figwort false pimpernel	<i>Lindernia dubia</i>		U				1
Scrophulariales	Scrophulariaceae	C Figwort clammy hedge-hyssop [common hedge-hyssop]	<i>Gratiola neglecta</i>		O				1
Scrophulariales	Scrophulariaceae	C Figwort  	<i>Leucospora multifida</i>		O				1
Scrophulariales	Scrophulariaceae	C Figwort smooth false foxglove	<i>Aureolaria flava</i>		LC				1
Scrophulariales	Scrophulariaceae	C Figwort water hyssop	<i>Bacopa rotundifolia</i>		LC				1
Scrophulariales	Scrophulariaceae	C Figwort smooth beard-tongue	<i>Penstemon calycosus</i>		O				1
Scrophulariales	Scrophulariaceae	C Figwort foxglove beard-tongue [foxglove penstemon]	<i>Penstemon digitalis</i>		O				1
Scrophulariales	Scrophulariaceae	C Figwort pale beard-tongue	<i>Penstemon pallidus</i>		LC				1
Scrophulariales	Scrophulariaceae	C Figwort winged monkey-flower [common monkey-flower]	<i>Mimulus alatus</i>		O				1
Scrophulariales	Scrophulariaceae	C Figwort blue-eyed Mary	<i>Collinsia verna</i>		LA				1
Scrophulariales	Scrophulariaceae	C Figwort late figwort	<i>Scrophularia marilandica</i>		LC				1
Scrophulariales	Scrophulariaceae	C Figwort false foxglove	<i>Agalinis fasciculata</i>		U				1
Scrophulariales	Scrophulariaceae	C Figwort false foxglove	<i>Agalinis paupercula</i>		U				1
Scrophulariales	Scrophulariaceae	C Figwort slender false foxglove	<i>Agalinis tenuifolia</i>		O				1
Scrophulariales	Acanthaceae	C Acanthus water-willow	<i>Justicia americana</i>		LC				1
Scrophulariales	Acanthaceae	C Acanthus hairy ruellia [wild petunia]	<i>Ruellia humilis</i>		O				1
Scrophulariales	Acanthaceae	C Acanthus stalked ruellia [wild petunia]	<i>Ruellia pedunculata</i>		C				1
Scrophulariales	Bignoniaceae	C Trumpet Creeper trumpet-creeper [trumpet-vine]	<i>Campsis radicans</i>	vine	C			N	1
Scrophulariales	Bignoniaceae	C Trumpet Creeper northern [hardy] catalpa [cigar tree, Indian bean]	<i>Catalpa speciosa</i>	tree	O			N	1
Scrophulariales	Bignoniaceae	C Trumpet Creeper southern [common] catalpa [lady cigar tree]	<i>Catalpa bignonioides</i>	tree	R			E	

## Vascular Plants of Crab Orchard NWR (Continued)

Order	Family	Common Name(s)	Scientific Name(s)	Growth Form	Frequency of Occurrence	Status		Native /Exotic	Ref.
						Fed.	State		
Plantaginales	<i>Plantaginaceae</i> C Plantain	bracted plantain	<i>Plantago aristata</i>		LA				1
Plantaginales	<i>Plantaginaceae</i> C Plantain	buckhorn [English plantain]	<i>Plantago lanceolata</i>		LC			E	1
Plantaginales	<i>Plantaginaceae</i> C Plantain	common plantain	<i>Plantago major</i>		LC			E	1
Plantaginales	<i>Plantaginaceae</i> C Plantain	small plantain	<i>Plantago pusilla</i>		O				1
Plantaginales	<i>Plantaginaceae</i> C Plantain	red-stalked plantain [Rugel-s plantain]	<i>Plantago rugelli</i>		LC			N	1
Plantaginales	<i>Plantaginaceae</i> C Plantain	dwarf plantain	<i>Plantago virginica</i>		LC				1
Rubiales	<i>Rubiaceae</i> C Madder	common buttonbush	<i>Cephalanthus occidentalis</i>	shrub	O			N	1
Rubiales	<i>Rubiaceae</i> C Madder	annual bedstraw [goosegrass, cleavers]	<i>Galium aparine</i>		LA				1
Rubiales	<i>Rubiaceae</i> C Madder	wild licorice	<i>Galium circaezans</i>		C				1
Rubiales	<i>Rubiaceae</i> C Madder	shining bedstraw	<i>Galium concinnum</i>		C-O				1
Rubiales	<i>Rubiaceae</i> C Madder	hairy bedstraw [purple bed-straw]	<i>Galium pilosum</i>		O				1
Rubiales	<i>Rubiaceae</i> C Madder	sweet-scented bedstraw	<i>Galium triflorum</i>		O				1
Rubiales	<i>Rubiaceae</i> C Madder	rough buttonweed [poorjoe]	<i>Diodia teres</i>		LC				1
Rubiales	<i>Rubiaceae</i> C Madder	large buttonweed [Virginia buttonweed]	<i>Diodia virginiana</i>		R				1
Rubiales	<i>Rubiaceae</i> C Madder	tiny bluets	<i>Hedyotis crassifolia</i> [ <i>Houstonia minima</i> ]		LC				1
Rubiales	<i>Rubiaceae</i> C Madder	long-leaved bluets	<i>Hedyotis longifolia</i> [ <i>Houstonia longifolia</i> ]		O				1
Rubiales	<i>Rubiaceae</i> C Madder	slender-leaved bluets	<i>Hedyotis nuttalliana</i> [ <i>Houstonia tenuifolia</i> ]		O				1
Rubiales	<i>Rubiaceae</i> C Madder	broad-leaved bluets	<i>Hedyotis purpurea</i> [ <i>Houstonia purpurea</i> ]		U				1
Rubiales	<i>Rubiaceae</i> C Madder	small bluets [star violet]	<i>Hedyotis pusilla</i> [ <i>Houstonia pusilla</i> ]		LC				1

## Vascular Plants of Crab Orchard NWR (Continued)

Order	Family	Common Name(s)	Scientific Name(s)	Growth Form	Frequency of Occurrence	Status		Native /Exotic	Ref.
						Fed.	State		
Dipsacales	Caprifoliaceae C Honey-suckle	arrowwood	<i>Viburnum dentatum [recognitum]</i>	shrub	C			N	
Dipsacales	Caprifoliaceae C Honey-suckle	southern wild-raisin	<i>Viburnum nudum</i>	shrub	?				
Dipsacales	Caprifoliaceae C Honey-suckle	smooth arrowwood	<i>Viburnum recognitum</i>		?				
Dipsacales	Caprifoliaceae C Honey-suckle	nannyberry	<i>Viburnum lentago</i>	shrub	?				
Dipsacales	Caprifoliaceae C Honey-suckle	rusty nannyberry [southern blackhaw]	<i>Viburnum rufidulum</i>	shrub	U			N	1
Dipsacales	Caprifoliaceae C Honey-suckle	blackhaw [nannyberry]	<i>Viburnum prunifolium</i>	shrub	O				1
Dipsacales	Caprifoliaceae C Honey-suckle	American elder [elderberry, golden elder]	<i>Sambucus canadensis</i>	shrub	LC			N	1
Dipsacales	Caprifoliaceae C Honey-suckle	coralberry [Indian-currant, buck-brush]	<i>Symphoricarpos orbiculatus</i>	shrub	LC			N	1
Dipsacales	Caprifoliaceae C Honey-suckle	Japanese honeysuckle	<i>Lonicera japonica var. japonica</i>	vine	A			E	1
Dipsacales	Caprifoliaceae C Honey-suckle	Japanese honeysuckle	<i>Lonicera japonica var. chinense</i>	vine	R			E	1
Dipsacales	Caprifoliaceae C Honey-suckle	Amur honeysuckle	<i>Lonicera maackii</i>		U				1
Dipsacales	Caprifoliaceae C Honey-suckle	trumpet honeysuckle [fire-cracker honeysuckle]	<i>Lonicera sempervirens</i>	vine	U			N	1
Dipsacales	Caprifoliaceae C Honey-suckle	Illinois horse gentian	<i>Triosteum illinoense</i>		O				1
Dipsacales	Caprifoliaceae C Honey-suckle	late horse gentian	<i>Triosteum perfoliatum</i>		O				1
Dipsacales	Valerianaceae C Valerian	pink valerian	<i>Valeriana pauciflora</i>		LC				1
Dipsacales	Valerianaceae C Valerian	corn salad [lamb-s lettuce]	<i>Valerianella radiata</i>		LC				1



## Vascular Plants of Crab Orchard NWR (Continued)

Order	Family	Common Name(s)	Scientific Name(s)	Growth Form	Frequency of Occurrence	Status		Native /Exotic	Ref.
						Fed.	State		
Dipsacales	<i>Dipsacaceae</i> C Teasel	common teasel	<i>Dipsacus sylvestris</i>		O			E	1
Cucurbitales	Cucurbitaceae CGourd	bur cucumber	<i>Sicyos angulatus</i>	vine					
Campanulales	<i>Campanulaceae</i> C Bell-flower	Venus-looking glass	<i>Triodanis perfoliata</i>		LC				1
Campanulales	<i>Campanulaceae</i> C Bell-flower	American bellflower	<i>Campanula americana</i>		C				1
Campanulales	<i>Campanulaceae</i> C Bell-flower	cardinal-flower	<i>Lobelia cardinalis</i>		U				1
Campanulales	<i>Campanulaceae</i> C Bell-flower	Indian tobacco	<i>Lobelia inflata</i>		LC				1
Campanulales	<i>Campanulaceae</i> C Bell-flower	blue cardinal-flower	<i>Lobelia siphilitica</i>		O				1
Asterales	<i>Asteraceae</i> C Aster	common milfoil [common yar-row, nosebleed]	<i>Achillea millefolium</i>		C				1
Asterales	<i>Asteraceae</i> C Aster	common ragweed [bitterweed, Roman wormwood]	<i>Ambrosia artemisiifolia</i>		C				1
Asterales	<i>Asteraceae</i> C Aster	lanceleaf ragweed [southern ragweed]	<i>Ambrosia bidentata</i>		LC				1
Asterales	<i>Asteraceae</i> C Aster	giant ragweed [buffalo weed, horse weed]	<i>Ambrosia trifida</i>		O				1
Asterales	<i>Asteraceae</i> C Aster	everlasting [ladies- tobacco]	<i>Antennaria plantaginifolia</i> var. <i>plantaginifolia</i>		LC				1
Asterales	<i>Asteraceae</i> C Aster	everlasting [ladies- tobacco, pussytoes]	<i>Antennaria plantaginifolia</i> var. <i>ambigens</i>		U				1
Asterales	<i>Asteraceae</i> C Aster	common burdock [smaller burdock]	<i>Arctium minus</i>		U				1
Asterales	<i>Asteraceae</i> C Aster	Drummond-s aster	<i>Aster drummondii</i>		O-LC				1
Asterales	<i>Asteraceae</i> C Aster	side-flowered aster [white woodland aster]	<i>Aster lateriflorus</i>		LA				1
Asterales	<i>Asteraceae</i> C Aster	New England aster	<i>Aster novae-angliae</i>		R				1

## Vascular Plants of Crab Orchard NWR (Continued)

Order	Family	Common Name(s)	Scientific Name(s)	Growth Form	Frequency of Occurrence	Status		Native /Exotic	Ref.
						Fed.	State		
Asterales	<i>Asteraceae</i> C Aster	purple daisy [spreading aster]	<i>Aster patens</i>		C-O				1
Asterales	<i>Asteraceae</i> C Aster	hairy aster	<i>Aster pilosus</i>		C				1
Asterales	<i>Asteraceae</i> C Aster	arrow aster [arrow-leaved aster]	<i>Aster X sagittifolius</i>		U				1
Asterales	<i>Asteraceae</i> C Aster	Short-s aster	<i>Aster shortii</i>		LC				1
Asterales	<i>Asteraceae</i> C Aster	panicked aster [tall white aster, white field aster]	<i>Aster simplex</i>		R				1
Asterales	<i>Asteraceae</i> C Aster	aster	<i>Aster turbinellus</i>		O				1
Asterales	<i>Asteraceae</i> C Aster	swamp marigold [tickseed sunflower]	<i>Bidens aristosa</i>		LA				1
Asterales	<i>Asteraceae</i> C Aster	Spanish needles	<i>Bidens bipinnata</i>		LC				1
Asterales	<i>Asteraceae</i> C Aster	nodding beggar-ticks [stick-tight]	<i>Bidens cernua</i>		U				1
Asterales	<i>Asteraceae</i> C Aster	European beggar-ticks [swamp tickseed]	<i>Bidens tripartita</i>		O			E	1
Asterales	<i>Asteraceae</i> C Aster	false aster	<i>Boltonia asteroides</i>		LC				1
Asterales	<i>Asteraceae</i> C Aster	false boneset	<i>Brickellia eupatorioides</i>		O				1
Asterales	<i>Asteraceae</i> C Aster	pale Indian plantain	<i>Cacalia atriplicifolia</i>		O				1
Asterales	<i>Asteraceae</i> C Aster	great Indian plantain	<i>Cacalia muhlenbergii</i>		LC				1
Asterales	<i>Asteraceae</i> C Aster	common chicory [blue sailors]	<i>Cichorium intybus</i>		R				1
Asterales	<i>Asteraceae</i> C Aster	field thistle [pasture thistle]	<i>Cirsium discolor</i>		O-LC				1
Asterales	<i>Asteraceae</i> C Aster	bull thistle	<i>Cirsium vulgare</i>		R				1
Asterales	<i>Asteraceae</i> C Aster	horseweed [mule weed]	<i>Conyza canadensis</i>		LC				1
Asterales	<i>Asteraceae</i> C Aster	tall coreopsis	<i>Coreopsis tripteris</i>		O				1
Asterales	<i>Asteraceae</i> C Aster	yerba de tajo	<i>Eclipta prostrata</i>		O				1
Asterales	<i>Asteraceae</i> C Aster	elephant-s-foot	<i>Elephantopus carolinianum</i>		O				1
Asterales	<i>Asteraceae</i> C Aster	fire weed	<i>Erechtites hieracifolia</i>		O-LC				1
Asterales	<i>Asteraceae</i> C Aster	annual fleabane	<i>Erigeron annuus</i>		LC				1

## Vascular Plants of Crab Orchard NWR (Continued)

Order	Family	Common Name(s)	Scientific Name(s)	Growth Form	Frequency of Occurrence	Status		Native /Exotic	Ref.
						Fed.	State		
Asterales	<i>Asteraceae</i> C Aster	marsh fleabane [Philadelphia fleabane]	<i>Erigeron philadelphicus</i>		C				1
Asterales	<i>Asteraceae</i> C Aster	daisy fleabane [rough fleabane, whitetop fleabane]	<i>Erigeron strigosus</i>		C				1
Asterales	<i>Asteraceae</i> C Aster	tall boneset [tall thoroughwort]	<i>Eupatorium altissimum</i>		R				1
Asterales	<i>Asteraceae</i> C Aster	blue boneset [mistflower, wild ageratum]	<i>Eupatorium coelestinum</i>		LC				1
Asterales	<i>Asteraceae</i> C Aster	hollow joe-pye weed [trumpet weed]	<i>Eupatorium fistulosum</i>		U				1
Asterales	<i>Asteraceae</i> C Aster	common boneset [thoroughwort]	<i>Eupatorium perfoliatum</i>		LC				1
Asterales	<i>Asteraceae</i> C Aster	white snakeroot	<i>Eupatorium rugosum</i>		C				1
Asterales	<i>Asteraceae</i> C Aster	late boneset	<i>Eupatorium serotinum</i>		LC				1
Asterales	<i>Asteraceae</i> C Aster	grassleaf goldenrod	<i>Euthamia graminifolia</i>		U				1
Asterales	<i>Asteraceae</i> C Aster	catfoot [old-field balsam, sweet everlasting]	<i>Gnaphalium obtusifolium</i>		O				1
Asterales	<i>Asteraceae</i> C Aster	early cudweed [purple cudweed]	<i>Gnaphalium purpureum</i>		U				1
Asterales	<i>Asteraceae</i> C Aster	purple-headed sneezeweed	<i>Helenium flexuosum</i>		O				1
Asterales	<i>Asteraceae</i> C Aster	pale sunflower [ten-petal sunflower]	<i>Helianthus decapetalus</i>		R				1
Asterales	<i>Asteraceae</i> C Aster	divergent sunflower [woodland sunflower]	<i>Helianthus divaricatus</i>		C				1
Asterales	<i>Asteraceae</i> C Aster	small wood sunflower	<i>Helianthus microcephalus</i>		O-LC				1
Asterales	<i>Asteraceae</i> C Aster	Jerusalem artichoke	<i>Helianthus tuberosus var. subcanescens</i>		LC				1
Asterales	<i>Asteraceae</i> C Aster	false sunflower [sunflower heliopsis]	<i>Heliopsis helianthoides</i>		U				1
Asterales	<i>Asteraceae</i> C Aster	hairy hawkweed	<i>Hieracium gronovii</i>		C				1

## Vascular Plants of Crab Orchard NWR (Continued)

Order	Family	Common Name(s)	Scientific Name(s)	Growth Form	Frequency of Occurrence	Status		Native /Exotic	Ref.
						Fed.	State		
Asterales	<i>Asteraceae</i> C Aster	marsh elder [sumpweed]	<i>Iva annua</i>		U				1
Asterales	<i>Asteraceae</i> C Aster	false dandelion	<i>Krigia biflora</i>		O				1
Asterales	<i>Asteraceae</i> C Aster	dwarf dandelion [potato dandelion]	<i>Krigia dandelion</i>		LC				1
Asterales	<i>Asteraceae</i> C Aster	Canada lettuce [horseweed, wild lettuce]	<i>Lactuca canadensis</i>		C				1
Asterales	<i>Asteraceae</i> C Aster	blue lettuce [woodland lettuce]	<i>Lactuca floridana</i>		O				1
Asterales	<i>Asteraceae</i> C Aster	willow-leaved lettuce	<i>Lactuca saligna</i>		LC				1
Asterales	<i>Asteraceae</i> C Aster	compass plant [prickly lettuce]	<i>Lactuca serriola</i>		C				1
Asterales	<i>Asteraceae</i> C Aster	common tansy [ox-eye daisy, white daisy]	<i>Leucanthemum vulgare</i>		C				1
Asterales	<i>Asteraceae</i> C Aster	blazing star	<i>Liatris scabra</i>		LC				1
Asterales	<i>Asteraceae</i> C Aster	button snakeroot [marsh blazing star]	<i>Liatris spicata</i>		LC				1
Asterales	<i>Asteraceae</i> C Aster	pineapple weed	<i>Matricaria matricarioides</i>		LC				1
Asterales	<i>Asteraceae</i> C Aster	American feverfew [wild quinine]	<i>Parthenium integrifolium</i>		O				1
Asterales	<i>Asteraceae</i> C Aster	leafcup	<i>Polymnia canadensis</i>		O				1
Asterales	<i>Asteraceae</i> C Aster	bears foot [leafcup, yellow-flower]	<i>Polymnia uvedalia</i>		U				1
Asterales	<i>Asteraceae</i> C Aster	tall white lettuce	<i>Prenanthes altissima</i>		LC				1
Asterales	<i>Asteraceae</i> C Aster	great white lettuce	<i>Prenanthes crepidinea</i>		LA				1
Asterales	<i>Asteraceae</i> C Aster	false dandelion	<i>Pyrrhopappus carolinianus</i>		O				1
Asterales	<i>Asteraceae</i> C Aster	black-eyed Susan	<i>Rudbeckia hirta</i>		C				1
Asterales	<i>Asteraceae</i> C Aster	cutleaf coneflower [wild golden glow]	<i>Rudbeckia laciniata</i>		O				1

## Vascular Plants of Crab Orchard NWR (Continued)

Order	Family	Common Name(s)	Scientific Name(s)	Growth Form	Frequency of Occurrence	Status		Native /Exotic	Ref.
						Fed.	State		
Asterales	Asteraceae C Aster	golden ragwort [groundsel, squaw-weed]	<i>Senecio aureus</i>		LA				1
Asterales	Asteraceae C Aster	butterweed [groundsel, ragwort]	<i>Senecio glabellus</i>		LC				1
Asterales	Asteraceae C Aster	wholeleaf rosinweed	<i>Silphium integrifolium</i>						1
Asterales	Asteraceae C Aster	cup plant [cup rosinweed]	<i>Silphium perfoliatum</i>		O				1
Asterales	Asteraceae C Aster	tall goldenrod	<i>Solidago altissima</i>		A				1
Asterales	Asteraceae C Aster	Buckley-s goldenrod	<i>Solidago buckleyi</i>		U				1
Asterales	Asteraceae C Aster	bluestem goldenrod [woodland goldenrod]	<i>Solidago caesia</i>		C				1
Asterales	Asteraceae C Aster	early goldenrod	<i>Solidago juncea</i>		C				1
Asterales	Asteraceae C Aster	Dyersweed goldenrod [gray goldenrod]	<i>Solidago nemoralis</i>		C-O				1
Asterales	Asteraceae C Aster	elm-leaved goldenrod	<i>Solidago ulmifolia</i>		C				1
Asterales	Asteraceae C Aster	red-seeded dandelion [smooth dandelion]	<i>Taraxacum laevigatum</i>		R				1
Asterales	Asteraceae C Aster	common dandelion	<i>Taraxacum officinale</i>		LC				1
Asterales	Asteraceae C Aster	goat-s beard [sand goat-s beard]	<i>Tragopogon dubius</i>		O				1
Asterales	Asteraceae C Aster	wing stem [yellow iron weed]	<i>Verbesina alternifolia</i>		LA				1
Asterales	Asteraceae C Aster	yellow crownbeard	<i>Verbesina helianthoides</i>		O				1
Asterales	Asteraceae C Aster	tall iron weed	<i>Vernonia gigantea</i>		O				1
Asterales	Asteraceae C Aster	Missouri ironweed	<i>Vernonia missurica</i>		U				1
Asterales	Asteraceae C Aster	cocklebur	<i>Xanthium strumarium var. canadensis</i>		O-LA				1

## Vascular Plants of Crab Orchard NWR (Continued)

Order	Family	Common Name(s)	Scientific Name(s)	Growth Form	Frequency of Occurrence	Status		Native /Exotic	Ref.
						Fed.	State		
<p>Frequency of Occurrence Key</p> <p>A = abundant</p> <p>LA = locally abundant</p> <p>C = common</p> <p>LC = locally common</p> <p>O = occasional</p> <p>R = rare? = undocumented</p>									
<p>Reference Key1 = Ulaszek, Eric F. 1988. The vascular flora of the Devils Kitchen Lake area, Williamson and Union counties, Illinois. M.S. thesis, Southern Illinois University, Carbondale. 98p.2 = Mohlenbrock, Robert H., and John W. Voigt. 1959. A flora of southern Illinois. Southern Illinois University Press, Carbondale and Edwardsville. 390 p.General ReferencesIverson, L.R., D. Ketzner, and J. Karnes. 1999. Illinois Plant Information Network. Database at <a href="http://www.fs.fed.us/ne/delaware/ilpin.html">http://www.fs.fed.us/ne/delaware/ilpin.html</a>. Illinois Natural History Survey and USDA Forest Service.Mohlenbrock, Robert H., and John W. Voigt. 1959. A flora of southern Illinois. Southern Illinois University Press, Carbondale and Edwardsville. 390 p.Petrides, George A. 1986. A field guide to trees and shrubs. Peterson Field Guide Series. Houghton Mifflin Co., Boston. 428 p.Pohl, Richard W. 1968. How to know the grasses. William C. Brown Co. Publishers, Dubuque, Iowa. 200 p.</p>									