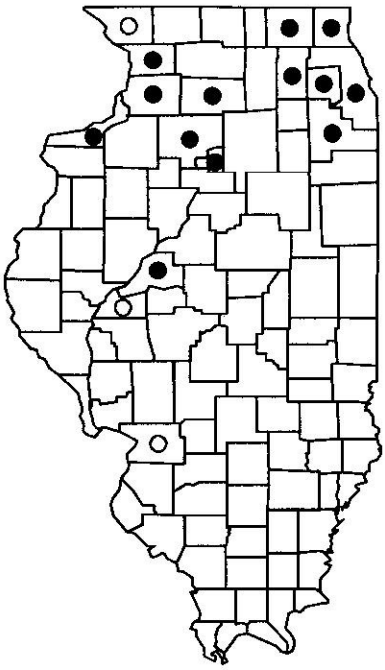
Xanthocephalus xanthocephalus (Bonaparte)

YELLOW-HEADED BLACKBIRD **ICTERIDAE** **Status:** Endangered in Illinois



Present Distribution: The yellow-headed blackbird breeds from western North America and southwestern Ontario south to Baja California, New Mexico, Texas, Missouri and Illinois. In Illinois most recent nesting has occurred in the northern portion of the state.

Former Illinois Distribution: In Illinois, the yellow-headed blackbird has probably always been restricted to the prairie regions in the northern part of the state, where it was once a locally abundant breeding bird (Nelson 1876b, Ridgway 1889).

Habitat: This colonial blackbird nests in emergent vegetation of deep-water palustrine wetlands (Heidorn *et al.* 1991, Twedt and Crawford 1995). Nests are built over relatively deep water, usually in cattails, bulrushes, or reeds (Twedt and Crawford 1995). This bird forages within wetlands and surrounding croplands, or savanna.

Reason for Status: In Illinois, the yellow-headed blackbird is at the eastern limit of its range. The Illinois population is small, declining, and isolated from the main North American breeding range for this species (Ward 2004).

Management Recommendations: Maintenance of open marsh habitat appears to be important for sustaining nesting colonies. However, although habitat loss undoubtedly contributed to historical population declines for this species, habitat availability may not be limiting current populations, and reproductive success in Illinois populations is also presently high (Ward 2004). Current declines in Illinois may be caused by low immigration from other portions of the breeding range (Ward 2004). As a result, greater connectivity with other portions of the range may be necessary to conserve this isolated population of yellow-headed blackbirds.

Xanthocephalus xanthocephalus
(Yellow-headed Blackbird)

MAMMALS (Mammalia)

Canis lupus Linnaeus

GRAY/TIMBER WOLF **CANIDAE** **Status:** Threatened in Illinois
Federally Endangered

Present Distribution: Throughout the 20th Century, wolves have not been documented in Illinois. Currently, more than 2,000 wolves live in the wild in Minnesota, with several hundred animals in Michigan, Wisconsin, and the Rocky Mountains of Montana, Idaho, and Wyoming. In Alaska, wolf populations number around 7,000 and are not considered endangered or threatened. In December, 2002 a wolf originating from the Great Lakes pack (either in Minnesota, Wisconsin, or Michigan) was shot and killed in Marshall County, Illinois. In July, 2003 a wolf originating from northern Wisconsin was found dead in an eastern Indiana soybean field (Randolph County, Indiana). This animal traveled through Illinois (greater metropolitan Chicago) before being recovered in Indiana.

Former Illinois Distribution: The gray wolf was once abundant and widespread throughout Illinois. Shortly after their arrival in Illinois, pioneers set about the task of "taming the wilderness". Destroying wolves was considered a moral duty necessary to make the wilderness fit for civilization. The last known record of self-sustaining wolf population(s) in Illinois is from Jackson County in 1889 (McClain *et al.* 2002).

Habitat: Substantial populations of the gray wolf still exist throughout most of Canada and Alaska. In the Midwest, pack numbers continue to grow throughout northern Minnesota, Wisconsin, and Michigan. Throughout its range, wolves occupy diverse habitats, including forests, prairies, tundra, and mountains. The two habitat factors for wolves appear to be an abundance of large game and minimal interference from humans (Kurta 1995).

Reason for Status: The final federal reclassification of the gray/timber wolf was published in the Federal Register on April 1, 2003. This reclassification established three (3) distinct population segments, whereby USFWS Region 3 (which includes Illinois) is entirely within the Eastern Gray Wolf Distinct Population Segment, where all wolves are threatened. Under Illinois' Endangered Species Protection Act states that all species classified as threatened or endangered by the USFWS are automatically placed on the State list.

Management Recommendations: Most biologists believe any wolves wandering into Illinois now, or in the future, will be young adults dispersing from packs, looking to establish their own territory. Chances for a self-sustaining, breeding wolf population in Illinois are highly unlikely given our abundance of roads and our highly fragmented, agriculturally dominant landscape. There is no record of an attack and death of a person caused by healthy wolves on the entire North American continent. The small number of cases involving injuries from wolves are those involving animals accustomed to being fed by humans.

Corynorhinus rafinesquii (Lesson)

RAFINESQUE'S BIG-EARED BAT | **VESPERTILIONIDAE** | **Status**: Endangered in Illinois

Present Distribution: Rafinesque's big-eared bats are primarily known from southeastern United States. A small, but distinct population protrusion parallels the Wabash River Valley into southern Indiana and Illinois. Existing at the northern edge of its range in Illinois, this bat has only been recorded from Alexander, Jackson, Johnson, Pulaski, and Union counties. A single record of an anomalous migrant from Wabash County, near Mt. Carmel, Illinois exists (Elder 1945).

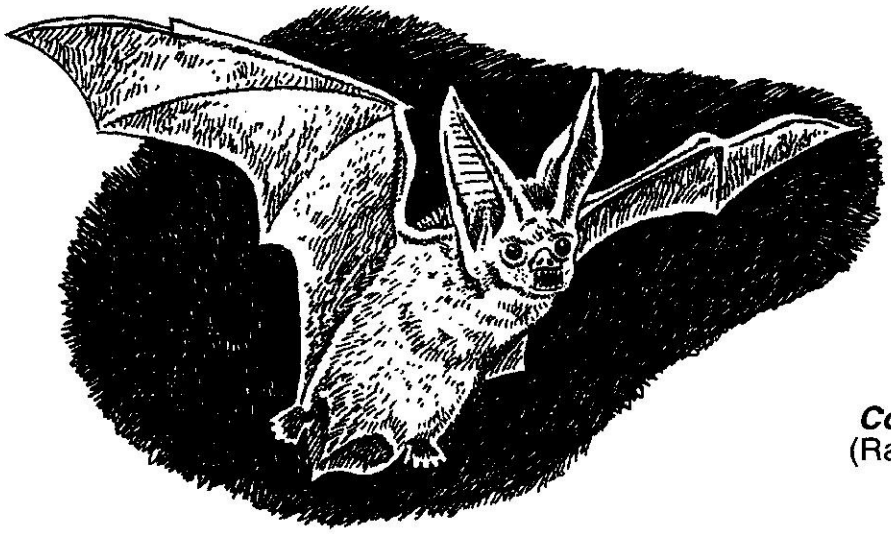
Former Illinois Distribution: In the early 1900s, this species was not known to occur in Illinois (Cory 1912). Of the sparse Illinois records, the largest numbers of big-eared bats are from a summer colony discovered in the downstairs room of an abandoned hunting cabin in Johnson County in 1977. This population peaked at 48 bats in 1983 and fell to zero by 1999. Similarly, a 1991 survey of an abandoned hunting cabin in Alexander County yielded 20 bats. No bats were present when the cabin was surveyed in 1999 (Kath 2000).

Habitat: Rafinesque's big-eared bats roost in unoccupied buildings and other man-made structures as well as trees and caves (Jones 1977). In winter this species has been encountered in Illinois silica sand mines and caves in Alexander, Jackson, Johnson, and Union counties (Hoffmeister 1989, Kath 2002). These bats are quite tolerant of temperature extremes as evidenced by the frequency at which hibernating individuals are found as singles often within 30 m of the cave/mine entrance (Mumford and Whitaker 1982). Unlike most Illinois' bat species, big-eared bats arouse from hibernation easily and even become active and fly outside their hibernaculum during the winter (Hoffmeister 1989).

Reason For Status: This species has been documented in the state from only four locations in the last 15 years. Most occurrences are from the Little Black Slough area in Johnson County.

Management Recommendations: More detailed information of the status and distribution of this species within Illinois is needed. Presently, the prime recovery objective for this species is to preserve and protect structures (both natural and man-made) used at any time of year by the big-eared bat. Such structures have a strong chance of being re-colonized, if properly restored and protected.

Note: This species was referred to as *Plecotus rafinesquii* in earlier editions of this work (Herkert 1992).



Corynorhinus rafinesquii
(Rafinesque's Big-eared Bat)

Myotis austroriparius (Rhoads)

SOUTHEASTERN MYOTIS **VESPERTILIONIDAE** **Status**: Endangered in Illinois

Present Distribution: The southeastern myotis occurs in the southeastern United States including parts of Florida, Georgia, Alabama, Louisiana, Mississippi, North and South Carolina, Tennessee, Kentucky, and Arkansas. A prominent northern population protrusion follows the Mississippi River into extreme southern Illinois and Indiana. There are recent records for this species from six Illinois counties (Alexander, Hardin, Johnson, Massac, Pope and Pulaski). Winter surveys from 1997 through 1999 have revealed small populations (15-25 bats) of hibernating southeastern myotis from one cave in Pope County and one cave in Hardin County (Kath 1999b).

Former Illinois Distribution: Between 1950-1975 the southeastern myotis was reported from Alexander, Hardin, Johnson, and Union counties (Hoffmeister 1989). Extensive summer mist netting efforts at 55 sites scattered throughout the 11 southernmost Illinois counties were conducted from 1984 through 1991. A total of 68 southeastern myotis were captured at three of the 55 sites (one site each in Alexander, Pope and Pulaski counties)(Hofmann *et al.* 1999).

Habitat: Within Illinois, the southeastern myotis occupies caves, mines, and mature forested wetlands (Gardner *et al.* 1992). Summer roosts are usually near water over which they forage (Hoffmeister 1989), and winter hibernacula are generally in caves. The southeastern myotis is often found in caves supporting large populations of the more common eastern pipistrelle bat (*Pipistrellus subflavus*). These animals exhibit an affinity for roost sites in dry portions of caves (Barbour and Davis 1974). Gardner *et al.* (1992) discovered the first maternity colony north of Louisiana and Florida roosting in a hollow tree in Little Black Slough in Johnson County (Hofmann *et al.* 1999). In Illinois, Hofmann *et al.* (2002) were the first to document southeastern myotis maternity colonies using a cave in Pope County, and an abandoned silica mine in Alexander County.

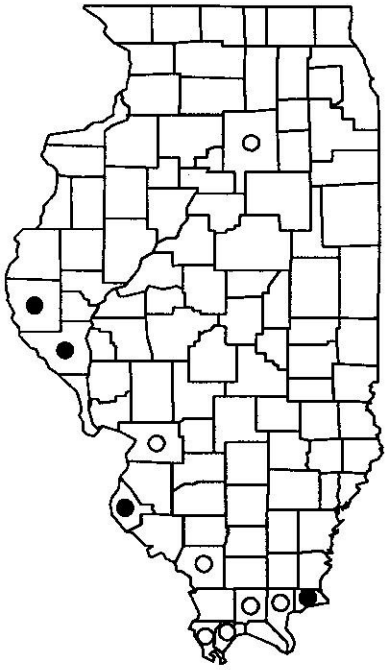
Reason For Status: The southeastern myotis has a very restricted distribution in Illinois. Its long nightly flights from its roost to forage (recorded to be greater than 6 km in southern Illinois), and its infrequent capture in mist nets during the summer makes this species very difficult to study. Range-wide, the single most serious case of decline in southeastern bat populations continues to be human destruction of roosts and the bats themselves.

Management Recommendations: Protection of wetland and cave habitat known to be used by this species is the greatest management need. Protection efforts must be concentrated during periods of residence. Specifically, disturbance at maternity caves/mines should be avoided from April 1 through August 31; disturbance at hibernacula should be avoided between September 1 and April 30.

Myotis austroriparius
(Southeastern Myotis)

Myotis grisescens A.H. Howell

GRAY BAT **VESPERTILIONIDAE** **Status**: Endangered in Illinois
Federally Endangered



Present Distribution: The range of this species extends from eastern Kentucky and Tennessee to western Missouri and northeastern Oklahoma, extending in the east through Alabama to northwestern Florida. In Illinois, gray bats are known from 11 counties in the extreme southern and west-central parts of the state. Recent winter surveys by Illinois Department of Natural Resources staff (1997-2002) did not reveal any gray bats (Kath 1999a). Small summer populations have recently (2000, 2002) been discovered using two caves in Monroe County and one in Hardin County.

Former Illinois Distribution : Although probably never common or widely distributed in Illinois, the population has drastically decreased from 10,000 animals in the mid-1960s to 1,000 to 2,000 in 1975. A large majority of this population, and the subsequent decline, occurred at the Cave Spring Cave in Hardin County (Whitaker 1975).

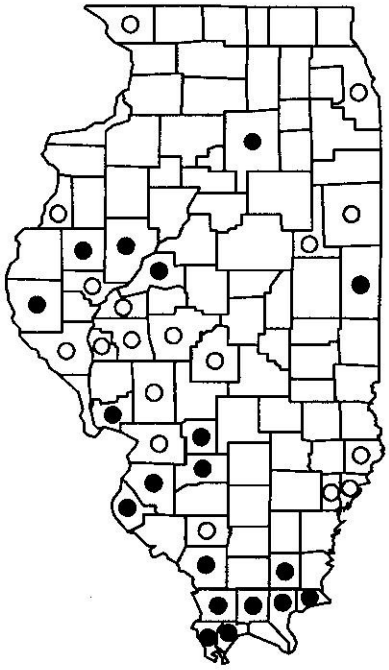
Habitat: Of any North American mammal, gray bats are the most restricted to cave habitats. These animals roost, raise their young, and hibernate almost exclusively in caves (Hoffmeister 1989). Consistent winter temperatures ranging from 42 to 52 degrees F must be present in order for this species to survive. Given their strict torpor requirements, approximately 95% of the entire known population hibernates in 10-12 caves each winter, with over 50% utilizing a single cave in northern Alabama. Summer caves, especially those used by maternity colonies, must act as warm air traps or provide isolated caverns and/or domed ceilings capable of trapping the body heat from clustered individuals. Temperatures typically range from 57 to 77 degrees F in caves used by gray bats during the summer (Tuttle 1976a). Foraging is almost exclusively over rivers, streams, and lakes within 1 km of their caves (Tuttle 1976b, LaVal *et al.* 1977).

Reason For Status: The alarming decline in the number of gray bats is due to increased human disturbance and vandalism to colonies in both their winter and summer caves (Skaggs 1973, Barbour and Davis 1974, Tuttle 1979). In addition, exclusion from hibernacula by blockage of entrances (naturally occurring or human induced), improperly constructed bat gates that do not allow for bat flight and/or proper air flow, and pesticide poisoning of insect prey continue to be major documented causes of gray bat declines (Clark *et al.* 1978, 1983). This species is intolerant of human disturbance and even a moderate level of human activity can exclude gray bats from a suitable cavern.

Management Recommendations: All Illinois colonies should be censused regularly to monitor population trends. Entry into maternity caves should be strictly prohibited. Entry into other caverns known to be used by gray bats should be restricted, especially from March through October. Since the majority of the population utilizes relatively few caves nationwide, protection of these sites has significantly aided gray bat recovery. Several caves outside of Illinois have had spectacular increases in gray bats due to proper gating and educational signs. In some cases, protecting caves that have been abandoned has resulted in re-occupation.

Myotis sodalis Miller & Allen

INDIANA BAT **VESPERTILIONIDAE** **Status**: Endangered in Illinois
Federally Endangered



Present Distribution: The Indiana bat has been found in 27 states throughout much of the eastern United States. These bats occur from western Oklahoma north to Iowa and Michigan, east to New Hampshire, and south to northern Florida. During fall and winter, more than 90% of the total population hibernates in a few large caves in Indiana, Illinois, Kentucky, and Missouri. Investigations have found evidence of summer breeding populations from 18 Illinois counties (Gardner *et al.* 1996, Kath 2002). Based upon the most recent survey information, populations appear to be increasing in Illinois. The estimated Indiana bat winter population for Illinois is currently between 16,500 and 19,500 animals (Kath 2002).

Former Illinois Distribution: In Illinois, early records (prior to 1970) of Indiana bats were specimens collected during hibernation from caves in southern (Union and Hardin) and western (Pike and Madison) counties, and abandoned mines in Jo Daviess and LaSalle counties. Prior to 1985, summer records of reproductively active female or juvenile Indiana bats were documented only for Jackson, Perry (Kirkpatrick 1980), Pike (Gardner and Gardner 1980, Clark and Clark 1987), Union (Brack 1979), and the border of Wabash and Edwards counties (Kessler and Turner 1980).

Habitat: Winter habitat consists of caves and mines where individuals hibernate in characteristic dense clusters (up to 3,200 bats/m^2). Summer roosts usually are located beneath the exfoliated bark of dead trees, although roosts are sometimes common within cavities and under the bark of living trees (Gardner *et al.* 1990, 1991). These animals may travel up to 2.5 km between roosting and foraging areas. Indiana bats forage and fly within an air space ranging from 2 to 30 m above ground level (Humphrey *et al.* 1977). Most Indiana bats caught in mist nets are captured over streams and other flyways at heights greater than 2 m (Gardner *et al.* 1989).

Reason For Status: Based on censuses taken at hibernacula over the entire range of this animals, the total known Indiana bat population was estimated at approximately 353,000 bats in 1995-1997. This represents a decline of about 60% since population surveys began in the 1960s (USFWS 1999). Although several known human related factors have caused past declines, they do not appear to account for the declines now being witnessed (USFWS 1999). Documented causes of decline include vandalism and commercialism of caves and natural catastrophes such as flooding and/or collapse.

Management Recommendations: Management of hibernacula should continue, including restricted entry (especially while bats are hibernating) and the elimination of activities destructive to caves. Caves/mines with hibernating Indiana bats should not be entered between September 1 and April 30. Riparian and upland forest tracts and active roost trees in areas used by Indiana bats should be conserved as much as possible (Kath 1999c).

Myotis sodalis
(Indiana Bat)

Neotoma floridana (Ord)

EASTERN WOODRAT **MURIDAE** **Status**: Endangered in Illinois

Present Distribution: Eastern woodrats occur across much of the southeastern and south-central United States (Hall 1981). The subspecies *Neotoma floridana illinoiensis* occurs in extreme southern Illinois, southeastern Missouri, western Kentucky, and Tennessee, eastern Arkansas, most of Mississippi and Alabama, and the panhandle of Florida (Schwartz and Odum 1957, Wiley 1980, Hall 1981). Sites occupied by woodrats in southern Illinois are isolated from the nearest known populations 75 miles to the west in Missouri and 85 miles to the south in Tennessee (Nawrot and Spitzkeit 1986). The largest and most persistent population in Illinois occurs at Pine Hills in Union County (Swayne 1949, Crim 1961, Nawrot 1974, West 1986, Wagle 1996, Monty 1997). Smaller populations occur at Fountain Bluff, Horseshoe Bluff, Little Grand Canyon, and Cripps Bend in Jackson County (Monty *et al.* 1995, Wagle 1996, Monty 1997).

Former Illinois Distribution: Skeletal remains establish a prehistoric (c.a. 8500-1500 BC) distribution which included portions of Randolph and Monroe counties (Parmalee 1959, Parmalee *et al.* 1961), 65 miles north of where woodrats now exist in Illinois. Nawrot and Klimstra (1976) found direct evidence of past habitation by woodrats at 24 sites in Jackson, Union, Johnson, Pope, Gallatin, and Hardin counties. Nawrot (1974) listed 40 sites in Jackson, Union, Williamson, Johnson, Saline, Pope, Gallatin, and Hardin counties that seemed to offer suitable habitat, but provided no direct evidence of past habitation.

Habitat: In Illinois, nearly all records of this species are from limestone bluffs of the Mississippi River and sandstone outcrops in the Shawnee Hills (Nawrot and Klimstra 1976). The eastern woodrat is primarily a nocturnal woodland species that builds large "houses" of twigs and sticks about 1 m in diameter and 1 m high. These shelters are usually found in rock crevices, on ledges, or in piles of rock at the bases of bluffs. During August through October, woodrats collect and store food items for consumption during winter (Crim 1961). Hickory nuts, acorns, and legumes from honey locust, black locust and Kentucky coffee trees are important foods (Wagle and Felhamer 1997).

Reason For Status: Illinois occurs at the extreme northern edge of this species' range. Nawrot and Klimstra (1976) speculated unusually harsh winters during 1912 and 1918 caused a large decline in numbers of woodrats at Pine Hills and extirpation of colonies in the Shawnee Hills.

Management Recommendations: The recovery plan for this species calls for translocations from nearby states to re-establish woodrat populations at unoccupied sites where colonies existed historically, link existing populations with newly established colonies in the Shawnee Hills, and improve genetic heterogeneity of Illinois' isolated populations (Bluett *et al.* 2002). The recovery plan also advocates establishment of a long-term monitoring program and encourages use of silvicultural practices that promote regeneration of oak-hickory forests near sites occupied by woodrats (Bluett *et al.* 2002).

Neotoma floridana
(Eastern Woodrat)

Ochrotomys nuttalli (Harlan)

GOLDEN MOUSE **MURIDAE** **Status**: Threatened in Illinois

Present Distribution: The golden mouse occurs throughout the southeastern quadrant of the United States from eastern Texas and Oklahoma east to the Atlantic coastal states from Virginia to Florida. Southern Illinois is at the northernmost edge of its range (Feldhammer and Paine 1987, Hoffmeister 1989). There are recent (since 1990) records of the golden mouse from Alexander, Gallatin, Hardin, Johnson, Pope, Saline, and Union counties, but this species also may be present in Jackson and Williamson counties.

Former Illinois Distribution : The present distribution of the golden mouse is probably similar to its former range in the state. There is one old report from Marion County near Salem (Cory 1912), but this record has been questioned by Hoffmeister (1989).

Habitat: In Illinois, the golden mouse inhabits dense thickets in a variety of wooded habitats including bottomland hardwood forests, pines, drainage-ways, abandoned upland fields, roadside rights-of-way and successional sites dominated by cedar (Andrews 1963, Blus 1966). This species appears to be dependent on the presence of a dense understory including honeysuckle, catbrier, and grape (Klimstra and Roseberry 1969, Feldhamer and Paine 1987, Hoffmeister 1989). Populations of golden mice are usually small and isolated with densities that range from 1-12 mice per ha (Andrews 1963).

Reason For Status: Golden mice occur primarily in the Shawnee Hills Natural Division within Illinois. Although recent surveys have documented a number of locations within the state, populations at these sites are generally small. The discontinuous distribution and specific habitat requirements qualify this species as a potentially threatened member of the Illinois fauna.

Management Recommendations: The current distribution and numbers of this species in Illinois should be closely monitored. Consideration should be given to appropriate habitat management where golden mice occur on public lands.

Ochrotomys nuttalli
(Golden Mouse)

Oryzomys palustris (Harlan)

RICE RAT **MURIDAE** **Status**: Threatened in Illinois

Present Distribution: The rice rat occurs from Texas, Oklahoma, and southeastern Kansas eastward to the Atlantic coast, and north to Pennsylvania and southern New Jersey (Hoffmeister 1989). Its range within Illinois extends from the Coastal Plain Division northward through the Shawnee Hills Section into the Mt. Vernon Hill Country.

Former Illinois Distribution: The present Illinois range of the rice rat is probably similar to its distribution of the last few centuries. Archeological evidence indicates that this species occurred farther north in the state during prehistoric times (Baker 1936, McLaughlin and Robertson 1951).

Habitat: Rice rats live in wet swampy fields and marshes of southern Illinois, especially in areas of the Shawnee Hills or Ozark Uplift (Hoffmeister 1989). In Illinois, they have been found along roadside ditches, farm ponds, marshy railroad rights-of-way, cypress swamps, marshes, and wet ecotonal areas of woods and grass (Klimstra and Roseberry 1969, McLaughlin and Robertson 1951, Klimstra and Scott 1956, Klimstra 1969, Hofmann *et al.* 1990, Hoffmeister 1989).

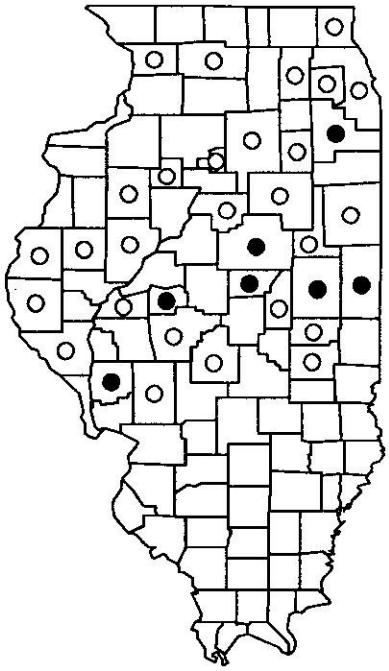
Reason For Status: The occurrence of this species in human-modified habitats is a favorable indication of its likelihood for continued existence in Illinois. However, due to the threatened nature of southern Illinois wetland habitats and the generally low population levels of this species a degree of concern is justified.

Management Recommendations: The major threat to this species is the continued loss of wetland habitat; therefore, existing populations in natural habitats such as cypress swamps and marshes should be protected.

Oryzomys palustris
(Rice Rat)

Spermophilus franklinii (Sabine)

FRANKLIN'S GROUND SQUIRREL **SCIURIDAE** **Status:** Threatened in Illinois



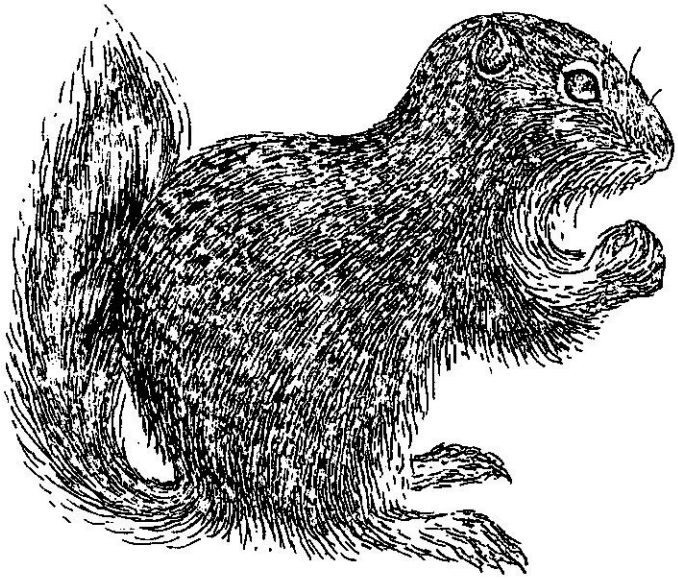
Present Distribution: This species' range extends from east-central Alberta and southern Saskatchewan southeastward to parts of Nebraska, Missouri, Illinois and Indiana (Hall 1981, Hoffmeister 1989). Recent field surveys in Illinois (Hofmann 1998, Martin *et al.* 2003) verified the presence of Franklin's ground squirrels in Champaign and Vermilion counties; other occurrences were reported for Menard and DeWitt counties. Responses to a mail survey sent to wildlife biologists and staff at forest preserves, nature preserves, state parks and other public areas identified 11 extant colonies, mostly in the Chicago and Champaign areas, as well as 44 possible populations based on unconfirmed sightings along with the existence of historical records and/or the presence of suitable habitat; locations were scattered throughout much of the species' historical range in the state (Martin *et al.* 2002, 2003).

Former Illinois Distribution: Vouchered museum specimens have been collected from the northern two-thirds of Illinois (Hoffmeister 1989).

Habitat: Although this species' range overlaps the historical distribution of tallgrass prairie, colonies are often found along edges between grasslands and woodlands, forests, thickets, and wetlands (Cory 1912). Raised railroad beds flanked by dense grasses, forbs, shrubs, and occasional small trees provide cover and sites for burrowing, as do fence rows, old fields, roadsides, ditch banks, and unkept cemeteries with similar characteristics (Schwartz and Schwartz 1981, Hoffmeister 1989, Hofmann 1998).

Reason For Status: Lack of recent sightings, anecdotal opinions and a scarcity of contemporary museum specimens suggest this species may be declining in the eastern part of its range (Lewis and Rongstad 1992, Johnson and Choromanski-Norris 1992, Pergams and Nyberg 2001). Results of recent field surveys in Illinois must be considered preliminary, but difficulty locating colonies at sites where they occurred historically suggests that concern is warranted (Martin *et al.* 2002).

Management Recommendations: A rigorous assessment of the species' status is recommended. Efforts to establish populations in Cook and Knox counties (Panzer 1986, Van Petten and Schramm 1972) failed, indicating a need for basic ecological information (Martin *et al.* 2003) before introductions are attempted again. Establishing and maintaining grassland habitats are beneficial, especially where well-drained soils provide sites for excavating burrows for hibernation. Management regimes that include cool season grasses like brome and provide diverse stages of early- to mid- succession might be helpful.



Spermophilus franklinii
(Franklin's Ground Squirrel)

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INDEX

Acipenser fulvescens 42
Aflexia rubranura 36
Alasmidonta viridis 14
Ambystoma jeffersonianum 67
  platineum 68
Ammocrypta clarum 43
  pellucidum 44
Ammodramus henslowii 82
Amphipod, Anomalous Spring 30
  Illinois Cave 31
  Iowa 34
  Packard's Cave 30
Asio flammeus 83
Atrytone arogos 37
Bartramia longicauda 84
Bat, Gray 111
  Indiana 112
  Rafinesque's Big-eared 109
Bittern, American 85
  Least 94
Blackbird, Yellow-headed 107
Blue, Karner 40
Borer, Eryngium Stem 41
Botaurus lentiginosus 85
Buteo swainsoni 86
Caecidotea lesliei 29
  spatulata 29
Calephelis muticum 37
Canis lupus 108
Catostomus catostomus 45
Charadrius melodus 87
Chlidonias niger 88
Chub, Bigeye 54
  Gravel 47
  River 60
  Sturgeon 59
Circus cyaneus 88
Cisco 46
Clemmys guttata 69
Clonophis kirtlandii 69
Coachwhip 77
Cooter, River 79
Coregonus artedi 46
Corynorhinus rafinesquii 109
Crane, Sandhill 92
Crangonyx anomalus 30
  packardi 30
Crayfish, Bigclaw 34
Crayfish, Indiana 31
  Kentucky 32
  Shrimp 32
Crotalus horridus 70
Cryptobranchus alleganiensis 70
Cumberlandia monodonta 14
Cyclonaias tuberculata 15
Cyprogenia stegaria 15
Darter, Bluebreast 48
  Eastern Sand 44
  Harlequin 50
  Iowa 48
  Western Sand 43
Dendroica cerulea 89
Desmognathus conanti 71
Discus macclintocki 12
Dragonfly, Hine's Emerald 35
  Elfin Skimmer 35
Eagle, Bald 93
Egret, Snowy 90
Egretta caerulea *89*
  thula 90
Elaphe emoryi 71
Ellipsaria lineolata 16
Elliptio crassidens 16
  dilatata 17
Emydoidea blandingii 72
Epioblasma triquetra 18
Erimystax x-punctatus 47
Etheostoma camurum 48
  exile *48*
  histrio 50
Falco peregrinus 91
Falcon, Peregrine 91
Fontigens antroecetes 13
Fritillary, Regal 39
Frog, Illinois Chorus 78
  Bird-voiced Tree- 74
Fundulus diaphanus 51
  dispar 52
Fusconaia ebena 19
Gallinula chloropus 92
Gammarus acherondytes 31
Gastrophryne carolinensis 73
Grus canadensis 92
Haliaeetus leucocephalus 93
Harrier, Northern 88
Hawk, Swainson's 86

Hellbender 70
Hemidactylium scutatum 73
Heron, Black-crowned Night 98
Little Blue 89
Yellow-crowned Night 97
Hesperia metea 38
ottoe 38
Hoary Elfin 39
Heterodon nasicus 74
Hybognathus hayi 53
Hybopsis amblops *54*
amnis 55
Hyla avivoca 74
Ichthyomyzon fossor 56
Ictinia mississippiensis 94
Incisalia polios 39
Isopod 29
Ixobrychus exilis 94
Killifish, Banded 51
Kinosternon flavescens 75
Kite, Mississippi 94
Lampetra aepyptera 56
Lamprey, Least Brook 56
Northern Brook 56
Lampsilis abrupta 19
fasciola 20
higginsii 20
Lanius ludovicianus 95
Laterallus jamaicensis 96
Leafhopper 36
Redveined Prairie 36
Lepomis miniatus 57
symmetricus 58
Ligumia recta 21
Limnothlypis swainsonii 97
Lycaeides melissa samuelis 40
Macrhybopsis gelida 59
Macrochelys temminckii 76
Madtom, Northern 65
Massasauga, Eastern 80
Masticophis flagellum 77
Metalmark, Swamp 37
Minnow, Cypress 53
Moorhen, Common 92
Mouse, Golden 114
Moxostoma carinatum 59
valenciennesi 60
Mussel, Black Sandshell 21
Butterfly 16
Clubshell 23
Ebonyshell 19
Elephant-ear 16
Fanshell 15
Fat Pocketbook 24
Higgins Eye 20
Kidneyshell 25
Little Spectaclecase 28
Ohio Pigtoe 23
Orangefoot Pimpleback 22
Pink Mucket 19
Purple Wartyback 15
Purple Lilliput 26
Rabbitsfoot 25
Rainbow 27
Salamander 26
Sheepnose 22
Slippershell 14
Snuffbox 18
Spectaclecase 14
Spike 17
Wavy-rayed Lamp- 20
Myotis austroriparius 110
grisescens 111
sodalis 112
Myotis, Southeastern 110
Nannothemis bella 35
Neotoma floridana 113
Nerodia cyclopion 77
fasciata 78
Nocomis micropogon 60
Notropis anogenus 61
boops 61
chalybaeus 62
heterodon 62
heterolepis 63
maculatus 64
texanus 64
Noturus stigmosus 65
Nyctanassa violacea 97
Nycticorax nycticorax 98
Ochrotomys nuttalli 114
Orconectes indianensis 31
kentuckiensis 32
lancifer 32
placidus 34
Oryzomys palustris 115
Osprey 98
Owl, Barn 106
Short-eared 83
Pandion haliaetus 98

Papaipema eryngii 41
Paraphlepsius lupalus 36
Phalarope, Wilson's 99
Phalaropus tricolor 99
Plethobasus cooperianus 22
cyphyus 22
Pleurobema clava 23
cordatum 23
Plover, Piping 87
Potamilus capax 24
Prairie-Chicken, Greater 105
Pseudacris streckeri 78
Pseudemys concinna 79
Ptychobranchus fasciolaris 25
Quadrula cylindrica 25
Rail, Black 96
King 100
Rallus elegans 100
Rat, Rice 115
Redhorse, Greater 60
River 59
Salamander, Four-toed 73
Jefferson 67
Silvery 68
Spotted Dusky 71
Sandpiper, Upland 84
Scaphirhynchus albus 66
Simpsonaias ambigua 26
Sistrurus catenatus 80
Shiner, Bigeye 61
Blackchin 62
Blacknose 63
Ironcolor 62
Pallid 55
Pugnose 61
Taillight 64
Weed 64
Shrike, Loggerhead 95
Skipper, Arogos 37
Cobweb 38
Ottoe 38
Snail, Hydrobiid Cave 13
Snail, Iowa Pleistocene 12
Snake, Broad-banded Water- 78
Eastern Ribbon- 81
Flathead 80
Kirtland's 69
Lined 81
Mississippi Green Water- 77
Timber Rattle- 70
Western Hognose 74
Great Plains Rat- 71
Somatochlora hineana 35
Sparrow, Henslow's 82
Spermophilus franklinii 116
Speyeria idalia 39
Squirrel, Franklin's Ground 116
Sterna antillarum 100
forsteri 101
hirundo 102
Sturgeon, Lake 42
Pallid 66
Stygobromus iowae 34
Sucker, Longnose 45
Sunfish, Bantam 58
Redspotted 57
Tantilla gracilis 80
Tern, Black 88
Common 102
Forster's 101
Least 100
Thamnophis sauritus 81
Thryomanes bewickii 103
Toad, Eastern Narrowmouth 73
Topminnow, Starhead 52
Toxolasma lividus 26
Tropidoclonion lineatum 81
Turtle, Alligator Snapping 76
Blanding's 72
Illinois Mud 75
Spotted 69
Tympanuchus cupido 105
Tyto alba 106
Villosa iris 27
lienosa 28
Warbler, Cerulean 89
Swainson's 97
Wolf, Gray/Timber 108
Wood Rat, Eastern 113
Wren, Bewick's 103
Xanthocephalus xanthocephalus 107

APPENDIX I

WISCONSIN
IOWA
INDIANA
MISSOURI
KENTUCKY
DUBUQUE
GRANT
LAFAYETTE
GREEN
ROCK
WALWORTH
KENOSHA
JO DAVIESS
STEPHENSON
WINNEBAGO
BOONE
MC HENRY
LAKE
JACKSON
CARROLL
OGLE
DE KALB
KANE
COOK
CLINTON
WHITESIDE
LEE
DU PAGE
SCOTT
KENDALL
WILL
LAKE
HENRY
BUREAU
LA SALLE
MUSCATINE
ROCK ISLAND
GRUNDY
LOUISA
MERCER
KANKAKEE
STARK
PUTNAM
KNOX
MARSHALL
NEWTON
DES MOINES
WARREN
LIVINGSTON
PEORIA
IROQUOIS
WOODFORD
HENDERSON
LEE
FULTON
TAZEWELL
MCLEAN
BENTON
HANCOCK
McDONOUGH
FORD
VERMILION
WARREN
CLARK
MASON
CHAMPAIGN
LEWIS
SCHUYLER
LOGAN
ADAMS
DE WITT
PIATT
BROWN
CASS
MENARD
VERMILLION
MARION
MACON
MORGAN
SANGAMON
DOUGLAS
EDGAR
PIKE
SCOTT
MOULTRIE
CHRISTIAN
RALLS
SHELBY
COLES
PIKE
VIGO
GREENE
MACOUPIN
CLARK
CALHOUN
MONTGOMERY
CUMBERLAND
LINCOLN
SULLIVAN
JERSEY
FAYETTE
EFFINGHAM
JASPER
CRAWFORD
MADISON
BOND
SAINT CHARLES
CLAY
KNOX
SAINT LOUIS
RICHLAND
LAWRENCE
MARION
CLINTON
SAINT LOUIS CITY
SAINT CLAIR
WAYNE
EDWARDS
WABASH
WASHINGTON
JEFFERSON
JEFFERSON
MONROE
GIBSON
RANDOLPH
PERRY
HAMILTON
WHITE
POSEY
FRANKLIN
SAINTE GENEVIEVE
JACKSON
SALINE
GALLATIN
PERRY
WILLIAMSON
UNION
CAPE GIRARDEAU
UNION
JOHNSON
POPE
HARDIN
CRITTENDEN
ALEXANDER
MASSAC
LIVINGSTON
PULASKI
SCOTT
BALLARD
McCRACKEN

APPENDIX II THE NATURAL DIVISIONS OF ILLINOIS

1 Wisconsin Driftless Division

2 Rock River Hill Country Division
- a Freeport Section
- b Oregon Section

3 Northeastern Morainal Division
- a Morainal Section
- b Lake Michigan Dunes Section
- c Chicago Lake Plain Section
- d Winnebago Drift Section

4 Grand Prairie Division
- a Grand Prairie Section
- b Springfield Section
- c Western Section
- d Green River Lowland Section
- e Kankakee Sand Area Section

5 Upper Mississippi River and Illinois River Bottomlands Division
- a Illinois River Section
- b Mississippi River Section

6 Illinois River and Mississippi River Sand Areas Division
- a Illinois River Section
- b Mississippi River Section

7 Western Forest-Prairie Division
- a Galesburg Section
- b Carlinville Section

8 Middle Mississippi Border Division
- a Glaciated Section
- b Driftless Section

9 Southern Till Plain Division
- a Effingham Plain Section
- b Mt Vernon Hill Country Section

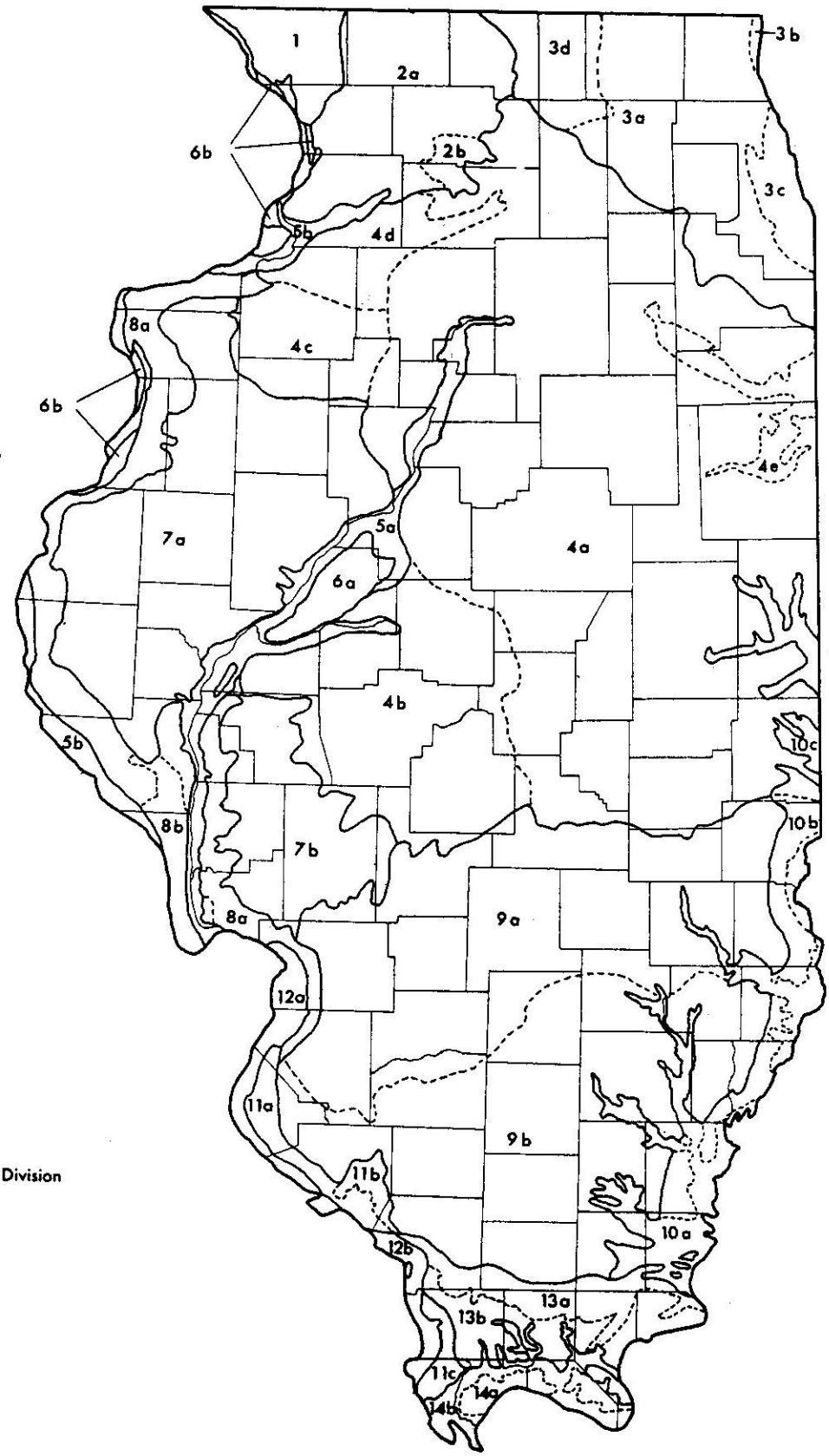
10 Wabash Border Division
- a Bottomlands Section
- b Southern Uplands Section
- c Vermilion River Section

11 Ozark Division
- a Northern Section
- b Central Section
- c Southern Section

12 Lower Mississippi River Bottomlands Division
- a Northern Section
- b Southern Section

13 Shawnee Hills Division
- a Greater Shawnee Hills Section
- b Lesser Shawnee Hills Section

14 Coastal Plain Division
- a Cretaceous Hills Section
- b Bottomlands Section



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Appendix III- Taxonomic Listing of Endangered and Threatened Animal Species by Class and Family

Threatened species are designated with an asterisk (*), all other species are endangered.

GASTROPODA

DISCIDAE
Discus macclintocki

HYDROBIIDAE
Fontigens antroecetes

BIVALVIA

UNIONIDAE
*Alasmidonta viridis**
Cumberlandia monodonta
*Cyclonaias tuberculata**
Cyprogenia stegaria
*Ellipsaria lineolata**
*Elliptio crassidens**
*Elliptio dilatata**
Epioblasma triquetra
*Fusconaia ebena**
Lampsilis abrupta
Lampsilis fasciola
Lampsilis higginsii
*Ligumia recta**
Plethobasus cooperianus
Plethobasus cyphyus
Pleurobema clava
Pleurobema cordatum
Potamilus capax
Ptychobranchus fasciolaris
Quadrula cylindrica
Simpsonaias ambigua
Toxolasma lividus
Villosa iris
*Villosa lienosa**

MALACOSTRACA

ASELLIDAE
Caecidotea lesliei
Caecidotea spatulata

CRANGONYCTIDAE
Crangonyx anomalus
Crangonyx packardi

GAMMARIDAE
Gammarus acherondytes
Stygobromus iowae

CAMBARIDAE
Orconectes indianensis
Orconectes kentuckiensis
Orconectes lancifer
Orconectes placidus

INSECTA

LIBELLULIDAE
*Nannothemis bella**

CORULIIDAE
Somatochlora hineana

CICADELLIDAE
*Aflexia rubranura**
Paraphlepsius lupalus

HESPERIIDAE
Atrytone arogos
*Hesperia metea**
*Hesperia ottoe**

RIODINIDAE
Calephelis muticum

NYMPHALIDAE
*Speyeria idalia**

LYCAENIDAE
Incisalia polios
Lycaeides melissa samuelis

NOCTUIDAE
Papaipema eryngii

AGNATHA

PETROMYZONTIDAE
Ichthyomyzon fossor
*Lampetra aepyptera**

OSTEICHTHYES

ACIPENSERIDAE
Acipenser fulvescens
Scaphirhynchus albus

SALMONIDAE
*Coregonus artedi**

CYPRINIDAE
*Erimystax x-punctatus**
Hybognathus hayi
Hybopsis amblops
Hybopsis amnis
Macrhybopsis gelida
Nocomis micropogon
Notropis anogenus
Notropis boops
*Notropis chalybaeus**
*Notropis heterodon**
Notropis heterolepis
Notropis maculatus
Notropis texanus

CATOSTOMIDAE
*Catostomus catostomus**
*Moxostoma carinatum**
Moxostoma valenciennesi

ICTALURIDAE
Noturus stigmosus

CYPRINODONTIDAE
*Fundulus diaphanus**
*Fundulus dispar**

CENTRARCHIDAE
*Lepomis miniatus**
*Lepomis symmetricus**

PERCIDAE
Ammocrypta clarum
*Ammocrypta pellucidum**
Etheostoma camurum
*Etheostoma exile**
Etheostoma histrio

AMPHIBIA

AMBYSTOMATIDAE
*Ambystoma jeffersonianum**
Ambystoma platineum

PLETHODONTIDAE
Desmognathus conanti
*Hemidactylium scutatum**

CRYPTOBRANCHIDAE
Cryptobranchus

alleganiensis

HYLIDAE

*Hyla avivoca**

*Pseudacris streckeri**

MICROHYLIDAE

*Gastrophryne carolinensis**

REPTILIA

CHELYDRIDAE

Macrochelys temminckii

EMYDIDAE

Clemmys guttata

*Emydoidea blandingii**

Pseudemys concinna

KINOSTERNIDAE

Kinosternon flavescens

COLUBRIDAE

*Clonophis kirtlandi**

Elaphe emoryi

*Heterodon nasicus**

Masticophis flagellum

*Nerodia cyclopion**

Nerodia fasciata

*Tantilla gracilis**

*Thamnophis sauritus**

*Tropidoclonion lineatum**

VIPERIDAE

*Crotalus horridus**

Sistrurus catenatus

AVES

PHASIANIDAE

Tympanuchus cupido

ARDEIDAE

Botaurus lentiginosus

*Ixobrychus exilis**

Egretta thula

Egretta caerulea

Nycticorax nycticorax

Nyctanassa violacea

ACCIPITRIDAE

Ictinia mississippiensis

*Haliaeetus leucocephalus**

Circus cyaneus

Buteo swainsoni

Pandion haliaetus

FALCONIDAE

*Falco peregrinus**

RALLIDAE

Rallus elegans

Laterallus jamaicensis

*Gallinula chloropus**

GRUIDAE

*Grus canadensis**

CHARADRIIDAE

Charadrius melodus

SCOLOPACIDAE

Bartramia longicauda

Phalaropus tricolor

LARIDAE

Sterna hirundo

Sterna forsteri

Sterna antillarum

Chlidonias niger

TYTONIDAE

Tyto alba

STRIGIDAE

Asio flammeus

LANIIDAE

*Lanius ludovicianus**

TROGLODYTIDAE

Thryomanes bewickii

PARULIDAE

*Dendroica cerulea**

Limnothlypis swainsonii

EMBERIZIDAE

*Ammodramus henslowii**

ICTERIDAE

Xanthocephalus xanthocephalus

MAMMALIA

VESPERTILIONIDAE

Myotis sodalis

Myotis austroriparius

Myotis grisescens

Corynorhinus rafinesquii

CANIDAE

*Canis lupus**

SCIURIDAE

*Spermophilus franklinii**

MURIDAE

*Oryzomys palustris**

*Ochrotomys nuttalli**

Neotoma floridana

APPENDIX III - Cross Reference of Species to County -- County Listing

Counties with an asterisk (*) after them represent counties with recent (> 1994) records. Counties without an asterisk represent historic (< 1994) records.

Adams
Acipenser fulvescens
Ammodramus henslowii
Bartramia longicauda
Clonophis kirtlandi
Crotalus horridus
Cumberlandia monodonta
Cyclonaias tuberculata
Dendroica cerulea
*Ellipsaria lineolata**
Elliptio crassidens
Elliptio dilatata
Fusconaia ebena
*Haliaeetus leucocephalus**
Ictinia mississippiensis
Lampsilis higginsi
Lanius ludovicianus
Laterallus jamaicensis
Ligumia recta
Machrochelys temminckii
*Myotis grisescens**
*Myotis sodalis**
Pandion haliaetus
Plethobasus cyphyus
Potamilus capax
Sistrurus catenatus
Spermophilis franklinii
Speyeria idalia
*Thryomanes bewickii**

Alexander
*Corynorhinus rafinesquii**
*Crotalus horridus**
Dendroica cerulea
Elliptio crassidens
Fusconaia ebena
*Haliaeetus leucocephalus**
*Hybognathus hayi**
*Hyla avivoca**
Ictinia mississippiensis
Lanius ludovicianus
*Lepomis symmetricus**
Ligumia recta
Limnothlypis swainsonii
*Myotis austroriparius**
Myotis grisescens
*Myotis sodalis**
Neotoma floridana
Nerodia cyclopion
Nerodia fasciata
*Notropis boops**
*Ochrotomys nuttalli**
*Orconectes lancifer**
*Oryzomys palustris**
Plethobasus cyphyus
Pleurobema cordatum
Potamilus capax
*Pseudacris streckeri**
Pseudemys concinna
*Sterna antillarum**

Bond
Bartramia longicauda
Crotalus horridus
Elliptio dilatata
*Lanius ludovicianus**
*Myotis sodalis**
Nycticorax nycticorax

Boone
Alasmidonta viridis
*Ammodramus henslowii**
Buteo swainsoni
Elliptio dilatata
Etheostoma exile
Lanius ludovicianus
Notropis heterolepis
Pandion haliaetus

Brown
*Ammodramus henslowii**
*Botaurus lentiginosus**
Fusconaia ebena
*Thryomanes bewickii**

Bureau
Cyclonaias tuberculata
Ellipsaria lineolata
Elliptio dilatata
*Emydoidea blandingii**
Fusconaia ebena
*Haliaeetus leucocephalus**
Lampsilis higginsi
*Lanius ludovicianus**
*Notropis heterolepis**
*Notropis texanus**
Nyctanassa violacea
Nycticorax nycticorax
Thryomanes bewickii
*Xanthocephalus xanthocephalus**

Calhoun
*Ammocrypta clarum**
*Ammodramus henslowii**
*Crotalus horridus**
Cumberlandia monodonta
Egretta caerulea
*Ellipsaria lineolata**
Elliptio crassidens
Elliptio dilatata
Fundulus dispar
Fusconaia ebena
*Haliaeetus leucocephalus**
*Ictinia mississippiensis**
Lampsilis higginsi
*Ligumia recta**
Machrochelys temminckii
Nycticorax nycticorax
Potamilus capax

Carroll
Acipenser fulvescens
Ammocrypta clarum
Bartramia longicauda
Botaurus lentiginosus
*Crotalus horridus**
Cyclonaias tuberculata

*Dendroica cerulea**
Ellipsaria lineolata
Elliptio crassidens
Elliptio dilatata
*Emydoidea blandingii**
Fusconaia ebena
*Grus canadensis**
*Haliaeetus leucocephalus**
*Hemidactylium scutatum**
*Heterodon nasicus**
Hybopsis amnis
Ixobrychus exilis
Lampsilis higginsi
Lanius ludovicianus
*Ligumia recta**
Plethobasus cyphyus
Spermophilus franklinii
Speyeria idalia
*Stygobromus iowae**
Tropidoclonion lineatum
Tyto alba
*Xanthocephalus xanthocephalus**

Cass
*Ammodramus henslowii**
Botaurus lentiginosus
Cyclonaias tuberculata
Ellipsaria lineolata
Elliptio dilatata
Emydoidea blandingii
Fusconaia ebena
*Gallinula chloropus**
*Haliaeetus leucocephalus**
*Hesperia ottoe**
*Heterodon nasicus**
Ixobrychus exilis
*Kinosternon flavescens**
Lampsilis higginsi
Lanius ludovicianus
Lepomis miniatus
Ligumia recta
Myotis sodalis
Plethobasus cyphyus
*Pseudacris streckeri**
Rallus elegans
Spermophilus franklinii
*Speyeria idalia**
Xanthocephalus xanthocephalus

Champaign
*Alasmidonta viridis**
Ammocrypta pellucidum
*Ammodramus henslowii**
*Bartramia longicauda**
Botaurus lentiginosus
Buteo swainsoni
*Circus cyaneus**
Clonophis kirtlandi
*Cyclonaias tuberculata**
Elliptio dilatata
Emydoidea blandingii
Grus canadensis
Hybopsis amblops
Hybopsis amnis
Ixobrychus exilis
*Lampsilis fasciola**
Lanius ludovicianus
Laterallus jamaicensis
Notropis heterolepis
Nyctanassa violacea
Nycticorax nycticorax
Quadrula cylindrica
Simpsonaias ambigua
Sistrurus catenatus
*Spermophilus franklinii**
Speyeria idalia
Thryomanes bewickii
Toxolasma lividus
Tropidoclonion lineatum
Tympanuchus cupido
Tyto alba
Villosa iris
*Villosa lienosa**

Christian
Bartramia longicauda
Clonophis kirtlandi
Elliptio dilatata
*Lanius ludovicianus**
Myotis sodalis
Spermophilus franklinii
*Tyto alba**

Clark
*Ambystoma jeffersonium**
*Crotalus horridus**
Cyclonaias tuberculata
Cyprogenia stegaria
Dendroica cerulea
Ellipsaria lineolata
Elliptio crassidens
Elliptio dilatata
Erimystax x-punctatus
Fusconaia ebena
Hybopsis amblops
Ligumia recta
Nocomis micropogon
Plethobasus cyphyus
Pleurobema clava
Pleurobema cordatum
Ptychobranchus fasciolaris
Quadrula cylindrica

Clay
Elliptio dilatata
Hybopsis amblops
Hybopsis amnis
*Lanius ludovicianus**
*Tympanuchus cupido**
Villosa lienosa

Clinton
Clonophis kirtlandi
*Dendroica cerulea**
*Elliptio dilatata**
Erimystax x-punctatus
Lanius ludovicianus
Ligumia recta
*Myotis sodalis**
Plethobasus cyphyus
*Sistrurus catenatus**
*Tyto alba**

Coles
*Ammocrypta pellucidum**
*Ammodramus henslowii**
*Bartramia longicauda**
Calephelis muticum
*Circus cyaneus**
*Clonophis kirtlandi**
Crotalus horridus
Dendroica cerulea
*Elliptio dilatata**
Emydoidea blandingii
Epioblasma triquetra
Erimystax x-punctatus
Etheostoma histrio
Hybopsis amblops
Ixobrychus exilis

Lanius ludovicianus
Notropis boops
Notropis heterolepis
*Ptychobranchus fasciolaris**
Simpsonaias ambigua
Spermophilus franklinii
Speyeria idalia
Toxolasma lividus
*Tyto alba**
Villosa lienosa

Cook
Acipenser fulvescens
Aflexia rubranura
*Alasmidonta viridis**
Ambystoma platineum
*Ammodramus henslowii**
Asio flammeus
*Bartramia longicauda**
*Botaurus lentiginosus**
Calephelis muticum
*Catostomus catostomus**
Charadrius melodus
*Chlidonias niger**
Clemmys guttata
*Clonophis kirtlandi**
Coregonus artedi
Cyclonaias tuberculata
Dendroica cerulea
*Egretta caerulea**
Egretta thula
Elliptio crassidens
Elliptio dilatata
*Emydoidea blandingii**
*Etheostoma exile**
*Falco peregrinus**
*Fundulus diaphanus**
Fundulus dispar
*Gallinula chloropus**
*Grus canadensis**
Hemidactylium scutatum
Hybopsis amnis
Incisalia polios
*Ixobrychus exilis**
Lampsilis fasciola
Lanius ludovicianus
Laterallus jamaicensis
Ligumia recta
Myotis sodalis
Nannothemis bella
Notropis chalybaeus
Notropis heterodon
Notropis heterolepis
*Nyctanassa violacea**
*Nycticorax nycticorax**
*Pandion haliaetus**
*Papaipema eryngii**
Phalaropus tricolor
Rallus elegans
*Sistrurus catenatus**
*Somatochlora hineana**
Spermophilus franklinii
Speyeria idalia
Sterna antillarum
Sterna forsteri
Tyto alba
Villosa iris
*Xanthocephalus xanthocephalus**

Crawford
*Ammocrypta pellucidum**
Cyclonaias tuberculata
Cyprogenia stegaria
Dendroica cerulea
Ellipsaria lineolata
Elliptio crassidens
Elliptio dilatata
Fusconaia ebena
*Haliaeetus leucocephalus**
Ixobrychus exilis
*Lanius ludovicianus**
Ligumia recta
Plethobasus cyphyus
Pleurobema clava
Pleurobema cordatum
Ptychobranchus fasciolaris
Quadrula cylindrica

Cumberland
*Ammocrypta pellucidum**
Crotalus horridus
Elliptio dilatata
Emydoidea blandingii
Epioblasma triquetra
Etheostoma histrio
Fusconaia ebena
Hybopsis amblops
Pleurobema clava
Ptychobranchus fasciolaris
Sistrurus catenatus
*Thryomanes bewickii**
Villosa lienosa

DeKalb
*Alasmidonta viridis**
Bartramia longicauda
Botaurus lentiginosus
Cyclonaias tuberculata
Emydoidea blandingii
*Erimystax x-punctatus**
Etheostoma exile
*Lanius ludovicianus**
Ligumia recta
Notropis heterolepis
*Phalaropus tricolor**
Sistrurus catenatus
Tyto alba

DeWitt
Alasmidonta viridis
*Elliptio dilatata**
Lanius ludovicianus
Sistrurus catenatus
*Spermophilus franklinii**

Douglas
*Alasmidonta viridis**
*Clonophis kirtlandi**
*Elliptio dilatata**
*Epioblasma triquetra**
*Gallinula chloropus**
*Lanius ludovicianus**
Moxostoma carinatum
Nycticorax nycticorax
*Ptychobranchus fasciolaris**
Spermophilus franklinii
Toxolasma lividus
*Villosa lienosa**

DuPage
Alasmidonta viridis
*Ammodramus henslowii**
*Bartramia longicauda**
Botaurus lentiginosus
*Chlidonias niger**
*Circus cyaneus**
Clonophis kirtlandi
Dendroica cerulea
Elliptio dilatata

*Emydoidea blandingii**
*Gallinula chloropus**
*Grus canadensis**
Ixobrychus exilis
Lanius ludovicianus
*Laterallus jamaicensis**
Moxostoma valenciennesi
Notropis heterolepis
*Nycticorax nycticorax**
Sistrurus catenatus
*Somatochlora hineana**
Spermophilus franklinii
Speyeria idalia
*Xanthocephalus xanthocephalus**

Edgar
*Ambystoma jeffersonium**
Elliptio dilatata
*Hybopsis amblops**
Ligumia recta
Notropis boops
Ptychobranchus fasciolaris
Sistrurus catenatus
*Villosa lienosa**

Edwards
Elliptio dilatata
Haliaeetus leucocephalus
Lanius ludovicianus
Myotis sodalis
*Thamnophis sauritus**

Effingham
Ammocrypta pellucidum
*Ammodramus henslowii**
Bartramia longicauda
*Clonophis kirtlandi**
*Crotalus horridus**
Hybopsis amblops
*Lanius ludovicianus**
Notropis boops
*Tympanuchus cupido**
*Villosa lienosa**

Fayette
*Ammocrypta clarum**
*Calephelis muticum**
*Clonophis kirtlandi**
Dendroica cerulea
*Haliaeetus leucocephalus**
Hybopsis amnis
*Ixobrychus exilis**
*Lanius ludovicianus**
*Nyctanassa violacea**
Plethobasus cyphyus
Sistrurus catenatus
*Tympanuchus cupido**
*Tyto alba**

Ford
*Alasmidonta viridis**
Ammocrypta pellucidum
*Ammodramus henslowii**
Bartramia longicauda
*Lampsilis fasciola**
Lanius ludovicianus
Myotis sodalis
Spermophilus franklinii
Tyto alba
Villosa lienosa

Franklin
Bartramia longicauda
*Circus cyaneus**
*Dendroica cerulea**
Elliptio dilatata
*Haliaeetus leucocephalus**
Hybopsis amnis
*Lanius ludovicianus**
Oryzomys palustris
Pseudemys concinna
*Rallus elegans**
*Tyto alba**

Fulton
Alasmidonta viridis
*Ammodramus henslowii**
*Bartramia longicauda**
*Botaurus lentiginosus**
Clonophis kirtlandi
Crotalus horridus
Cyclonaias tuberculata
Ellipsaria lineolata
Elliptio crassidens
Elliptio dilatata
Epioblasma triquetra
Erimystax x-punctatus
Fundulus dispar
Fusconaia ebena
*Haliaeetus leucocephalus**
Lampsilis higginsi
Ligumia recta
*Myotis sodalis**
Notropis heterolepis
Nycticorax nycticorax
Plethobasus cyphyus
Potamilus capax
Rallus elegans
Spermophilus franklinii
Speyeria idalia

Gallatin
*Acipenser fulvescens**
Crotalus horridus
Cyprogenia stegaria
*Dendroica cerulea**
Ellipsaria lineolata
Elliptio crassidens
*Etheostoma histrio**
*Fusconaia ebena**
*Haliaeetus leucocephalus**
Lepomis miniatus
Neotoma floridana
Nyctanassa violacea
*Ochrotomys nuttalli**
*Orconectes indianensis**
Plethobasus cyphyus
Pleurobema clava
Pleurobema cordatum
*Potamilus capax**
*Pseudemys concinna**
Ptychobranchus fasciolaris
Quadrula cylindrica
Sterna antillarum

Greene
Bartramia longicauda
Crotalus horridus
*Haliaeetus leucocephalus**
Hesperia metea
*Lanius ludovicianus**
*Spermophilus franklinii**

Grundy
*Aflexia rubranura**
Alasmidonta viridis
*Ammodramus henslowii**
Bartramia longicauda
*Botaurus lentiginosus**

*Circus cyaneus**
Cumberlandia monodonta
Cyclonaias tuberculata
Ellipsaria lineolata
Elliptio crassidens
Elliptio dilatata
*Emydoidea blandingii**
Epioblasma triquetra
*Gallinula chloropus**
*Grus canadensis**
Hybopsis amnis
*Ixobrychus exilis**
Lampsilis higginsi
Lanius ludovicianus
Ligumia recta
*Moxostoma carinatum**
*Moxostoma valenciennesi**
Notropis boops
*Papaipema eryngii**
Plethobasus cyphyus
*Rallus elegans**
Spermophilus franklinii
Speyeria idalia

Hamilton
Cryptobranchus alleganiensis
Oryzomys palustris
*Tyto alba**

Hancock
*Acipenser fulvescens**
*Bartramia longicauda**
*Crotalus horridus**
*Cumberlandia monodonta**
Cyclonaias tuberculata
*Ellipsaria lineolata**
Elliptio crassidens
Elliptio dilatata
*Fusconaia ebena**
*Haliaeetus leucocephalus**
Lampsilis higginsi
Lanius ludovicianus
Lepomis miniatus
*Ligumia recta**
Plethobasus cyphyus
Potamilus capax
Sistrurus catenatus
Spermophilus franklinii
Speyeria idalia

Hardin
Crangonyx packardi
Crotalus horridus
Cryptobranchus alleganiensis
Dendroica cerulea
Elliptio dilatata
Fusconaia ebena
Gastrophryne carolinensis
*Haliaeetus leucocephalus**
*Lampetra aepyptera**
*Myotis austroriparius**
*Myotis grisescens**
*Myotis sodalis**
Neotoma floridana
*Ochrotomys nuttalli**
*Orconectes indianensis**
*Orconectes kentuckiensis**
*Orconectes placidus**
*Potamilus capax**
Pseudemys concinna

Henderson
Acipenser fulvescens
Cumberlandia monodonta
Ellipsaria lineolata
Elliptio crassidens
Elliptio dilatata
Emydoidea blandingii
Fusconaia ebena
Haliaeetus leucocephalus
*Heterodon nasicus**
Hybopsis amnis
Kinosternon flavescens
Lampsilis higginsi
Ligumia recta
Myotis sodalis
Notropis texanus
Plethobasus cyphyus
Potamilus capax
Speyeria idalia

Henry
*Bartramia longicauda**
Botaurus lentiginosus
Chlidonias niger
Elliptio dilatata
Emydoidea blandingii
Etheostoma exile
*Haliaeetus leucocephalus**
Heterodon nasicus
Ixobrychus exilis
*Kinosternon flavescens**
Lanius ludovicianus
Nycticorax nycticorax

Iroquois
Alasmidonta viridis
*Ammodramus henslowii**
Botaurus lentiginosus
*Circus cyaneus**
Elliptio dilatata
*Emydoidea blandingii**
*Fundulus dispar**
Hybopsis amnis
Lanius ludovicianus
Lepomis miniatus
*Ligumia recta**
Myotis sodalis
*Notropis chalybaeus**
Notropis heterolepis
*Notropis texanus**
Spermophilus franklinii
*Speyeria idalia**
Toxolasma lividus
Villosa lienosa

Jackson
*Ammocrypta clarum**
*Ammodramus henslowii**
*Corynorhinus rafinesquii**
*Crotalus horridus**
*Dendroica cerulea**
Elliptio dilatata
Falco peregrinus
Gastrophryne carolinensis
*Haliaeetus leucocephalus**
Hyla avivoca
*Ictinia mississippiensis**
Lanius ludovicianus
Limnothlypis swainsonii
*Macrhybopsis gelida**
Macrochelys temminckii
Myotis grisescens
*Myotis sodalis**
*Neotoma floridana**
Notropis boops
Nyctanassa violacea
Ochrotomys nuttalli
Oryzomys palustris
Pandion haliaetus

Pseudemys concinna
Sterna antillarum

Jasper
*Ammocrypta pellucidum**
*Ammodramus henslowii**
*Asio flammeus**
*Bartramia longicauda**
*Botaurus lentiginosus**
*Circus cyaneus**
Crotalus horridus
Cyprogenia stegaria
Elliptio dilatata
*Emydoidea blandingii**
Etheostoma histrio
Fusconaia ebena
*Haliaeetus leucocephalus**
*Ixobrychus exilis**
*Lanius ludovicianus**
Ligumia recta
*Nyctanassa violacea**
Plethobasus cyphyus
Ptychobranchus fasciolaris
Quadrula cylindrica
*Rallus elegans**
*Tympanuchus cupido**
*Tyto alba**

Jefferson
Crotalus horridus
*Haliaeetus leucocephalus**
Hybognathus hayi
Hybopsis amnis
Lanius ludovicianus
Tyto alba

Jersey
Alasmidonta viridis
*Crotalus horridus**
*Dendroica cerulea**
Egretta caerulea
*Elaphe emoryi**
*Ellipsaria lineolata**
Falco peregrinus
Fundulus dispar
*Fusconaia ebena**
*Haliaeetus leucocephalus**
Hemidactylium scutatum
*Ictinia mississippiensis**
*Ligumia recta**
Macrochelys temminckii
*Myotis sodalis**
Notropis boops
Nyctanassa violacea
Potamilus capax
Pseudacris streckeri
Pseudemys concinna
Thryomanes bewickii

Jo Daviess
Acipenser fulvescens
*Alasmidonta viridis**
*Ammocrypta clarum**
*Ammodramus henslowii**
*Bartramia longicauda**
*Crotalus horridus**
Cyclonaias tuberculata
*Dendroica cerulea**
*Discus macclintocki**
*Ellipsaria lineolata**
Elliptio crassidens
Elliptio dilatata
Emydoidea blandingii
Fusconaia ebena
*Haliaeetus leucocephalus**
*Hemidactylium scutatum**
*Heterodon nasicus**
Hybopsis amnis
*Lampsilis higginsi**
*Lanius ludovicianus**
*Ligumia recta**
Myotis sodalis
Notropis heterolepis
Plethobasus cyphyus
Stygobromus iowae
Xanthocephalus xanthocephalus

Johnson
*Ammodramus henslowii**
*Circus cyaneus**
*Corynorhinus rafinesquii**
Crangonyx packardi
Crotalus horridus
*Dendroica cerulea**
*Desmognathus conanti**
*Haliaeetus leucocephalus**
*Hybognathus hayi**
*Hyla avivoca**
*Ictinia mississippiensis**
*Ixobrychus exilis**
*Lampetra aepyptera**
Lanius ludovicianus
Limnothlypis swainsonii
*Myotis austroriparius**
Myotis grisescens
*Myotis sodalis**
*Neotoma floridana**
Nyctanassa violacea
*Ochrotomys nuttalli**
*Orconectes indianensis**
*Oryzomys palustris**
Rallus elegans
*Thamnophis sauritus**
Thryomanes bewickii

Kane
*Alasmidonta viridis**
*Asio flammeus**
Bartramia longicauda
*Botaurus lentiginosus**
*Buteo swainsoni**
Cyclonaias tuberculata
*Elliptio dilatata**
*Emydoidea blandingii**
*Etheostoma exile**
*Gallinula chloropus**
*Grus canadensis**
*Ixobrychus exilis**
Lampsilis fasciola
Lanius ludovicianus
*Ligumia recta**
*Moxostoma carinatum**
*Moxostoma valenciennesi**
Notropis heterolepis
Nyctanassa violacea
*Nycticorax nycticorax**
*Phalaropus tricolor**
Plethobasus cyphyus
Spermophilus franklinii
Speyeria idalia
Thryomanes bewickii
Villosa iris
*Xanthocephalus xanthocephalus**

Kankakee
Alasmidonta viridis
Bartramia longicauda
*Crotalus horridus**

*Cyclonaias tuberculata**
Dendroica cerulea
*Elliptio dilatata**
*Emydoidea blandingii**
Epioblasma triquetra
*Fundulus dispar**
Fusconaia ebena
*Heterodon nasicus**
*Hybopsis amblops**
Ichthyomyzon fossor
*Ligumia recta**
*Moxostoma carinatum**
Moxostoma valenciennesi
*Notropis chalybaeus**
Notropis heterolepis
*Notropis texanus**
*Plethobasus cyphyus**
Simpsonaias ambigua
Speyeria idalia
Villosa iris

Kendall
*Alasmidonta viridis**
Cyclonaias tuberculata
Elliptio dilatata
Etheostoma exile
Ixobrychus exilis
Lanius ludovicianus
Ligumia recta
*Moxostoma carinatum**
*Moxostoma valenciennesi**
Notropis heterolepis
*Pandion haliaetus**
Villosa iris

Knox
*Ammodramus henslowii**
Bartramia longicauda
Circus cyaneus
Elliptio dilatata
*Hemidactylium scutatum**
*Lanius ludovicianus**
Ligumia recta
Sistrurus catenatus
Spermophilus franklinii
Speyeria idalia

Lake
Acipenser fulvescens
*Aflexia rubranura**
*Ammodramus henslowii**
Asio flammeus
*Bartramia longicauda**
Botaurus lentiginosus
Catostomus catostomus
Charadrius melodus
*Chlidonias niger**
Clonophis kirtlandi
Coregonus artedi
Dendroica cerulea
Elliptio dilatata
*Emydoidea blandingii**
*Etheostoma exile**
*Falco peregrinus**
*Fundulus diaphanus**
*Fundulus dispar**
*Gallinula chloropus**
*Grus canadensis**
Hemidactylium scutatum
Hesperia ottoe
*Incisalia polios**
*Ixobrychus exilis**
Kinosternon flavescens
Lanius ludovicianus
*Lycaeides melissa samuelis**
*Notropis anogenus**
*Notropis heterodon**
*Notropis heterolepis**
*Nyctanassa violacea**
*Nycticorax nycticorax**
Paraphlepsius lupalus
Phalaropus tricolor
*Rallus elegans**
*Sistrurus catenatus**
Spermophilus franklinii
Speyeria idalia
Sterna antillarum
*Sterna forsteri**
*Sterna hirundo**
*Xanthocephalus xanthocephalus**

LaSalle
Acipenser fulvescens
*Alasmidonta viridis**
*Ammodramus henslowii**
Bartramia longicauda
Circus cyaneus
*Crotalus horridus**
Cyclonaias tuberculata
Ellipsaria lineolata
Elliptio crassidens
*Elliptio dilatata**
*Emydoidea blandingii**
Epioblasma triquetra
Etheostoma exile
*Haliaeetus leucocephalus**
*Hemidactylium scutatum**
Lampsilis higginsi
Lanius ludovicianus
Ligumia recta
*Moxostoma carinatum**
Moxostoma valenciennesi
Myotis grisescens
*Myotis sodalis**
Notropis heterolepis
Nycticorax nycticorax
Plethobasus cyphyus
Simpsonaias ambigua
Spermophilus franklinii
*Speyeria idalia**
Villosa iris

Lawrence
*Ammodramus henslowii**
Bartramia longicauda
*Botaurus lentiginosus**
Cryptobranchus alleganiensis
Cyclonaias tuberculata
Cyprogenia stegaria
Dendroica cerulea
Ellipsaria lineolata
Elliptio crassidens
Elliptio dilatata
Erimystax x-punctatus
Fundulus dispar
Fusconaia ebena
*Gallinula chloropus**
*Hemidactylium scutatum**
*Ixobrychus exilis**
*Lanius ludovicianus**
Myotis sodalis
Nocomis micropogon
*Nyctanassa violacea**
Plethobasus cyphyus
Pleurobema clava
Pleurobema cordatum
Potamilus capax
Ptychobranchus fasciolaris
Quadrula cylindrica

*Rallus elegans**
*Thamnophis sauritus**

Lee
*Ammodramus henslowii**
Asio flammeus
*Bartramia longicauda**
Botaurus lentiginosus
Cyclonaias tuberculata
*Dendroica cerulea**
Elliptio dilatata
*Emydoidea blandingii**
*Erimystax x-punctatus**
Gallinula chloropus
Heterodon nasicus
*Ixobrychus exilis**
Kinosternon flavescens
Lanius ludovicianus
*Laterallus jamaicensis**
*Ligumia recta**
Nycticorax nycticorax
*Speyeria idalia**
*Xanthocephalus xanthocephalus**

Livingston
*Bartramia longicauda**
Elliptio dilatata
*Moxostoma carinatum**
*Moxostoma valenciennesi**
Notropis heterolepis
Spermophilus franklinii
Speyeria idalia
Villosa iris

Logan
Alasmidonta viridis
Ammocrypta clarum
*Ammodramus henslowii**
Elliptio dilatata
*Erimystax x-punctatus**
Lanius ludovicianus
Sistrurus catenatus
Speyeria idalia
Villosa iris

Macon
*Bartramia longicauda**
Clonophis kirtlandi
Dendroica cerulea
Erimystax x-punctatus
Nyctanassa violacea
Nycticorax nycticorax
Thryomanes bewickii
Tropidoclonion lineatum

Macoupin
Myotis sodalis
Spermophilus franklinii
Tropidoclonion lineatum

Madison
*Ammocrypta clarum**
Bartramia longicauda
Calephelis muticum
*Crotalus horridus**
Cyclonaias tuberculata
*Egretta caerulea**
*Egretta thula**
Elaphe emoryi
Ellipsaria lineolata
Elliptio dilatata
*Falco peregrinus**
Fusconaia ebena
*Gallinula chloropus**
Ligumia recta
Macrhybobis gelida
Myotis grisescens
*Myotis sodalis**
Notropis boops
*Nyctanassa violacea**
Nycticorax nycticorax
Potamilus capax
*Pseudacris streckeri**
Rallus elegans
*Scaphirhynchus albus**
Simpsonaias ambigua
*Sistrurus catenatus**
Sterna antillarum
Thryomanes bewickii
Tropidoclonion lineatum
Xanthocephalus xanthocephalus

Marion
*Ammodramus henslowii**
*Asio flammeus**
*Bartramia longicauda**
*Circus cyaneus**
*Haliaeetus leucocephalus**
*Lanius ludovicianus**
*Tympanuchus cupido**
*Tyto alba**
Villosa lienosa

Marshall
Canus lupus
Fusconaia ebena
*Haliaeetus leucocephalus**
Ixobrychus exilis
Lanius ludovicianus
Lepomis miniatus

Mason
Acipenser fulvescens
Atrytone arogos
Cyclonaias tuberculata
Ellipsaria lineolata
Elliptio dilatata
*Emydoidea blandingii**
*Fundulus dispar**
Fusconaia ebena
*Gallinula chloropus**
*Haliaeetus leucocephalus**
*Hemidactylium scutatum**
Hesperia metea
*Hesperia ottoe**
*Heterodon nasicus**
Ichthyomyzon fossor
Ixobrychus exilis
Kinosternon flavescens
Lampsilis higginsi
Lanius ludovicianus
*Laterallus jamaicensis**
*Lepomis miniatus**
Ligumia recta
Macrochelys temminckii
Moxostoma carinatum
*Myotis sodalis**
Notropis anogenus
*Notropis chalybaeus**
Notropis heterolepis
*Nycticorax nycticorax**
Plethobasus cyphyus
Pseudacris streckeri
*Rallus elegans**
*Speyeria idalia**
*Thryomanes bewickii**
*Tyto alba**
Xanthocephalus

*xanthocephalus**

Massac
Acipenser fulvescens
Cryptobranchus alleganiensis
*Cumberlandia monodonta**
Cyclonaias tuberculata
Cyprogenia stegaria
Dendroica cerulea
*Ellipsaria lineolata**
*Elliptio crassidens**
Elliptio dilatata
Epioblasma triquetra
*Fusconaia ebena**
Gallinula chloropus
Haliaeetus leucocephalus
Ictinia mississippiensis
Ixobrychus exilis
Lampsilis abrupta
Lanius ludovicianus
Lepomis miniatus
*Ligumia recta**
Limnothlypis swainsonii
Macrochelys temminckii
*Myotis austroriparius**
Notropis maculatus
*Noturus stigmosis**
*Nyctanassa violacea**
*Orconectes placidus**
*Oryzomys palustris**
*Pandion haliaetus**
*Plethobasus cooperianus**
*Plethobasus cyphyus**
Pleurobema clava
*Pleurobema cordatum**
*Potamilus capax**
*Pseudemys concinna**
*Ptychobranchus fasciolaris**
*Quadrula cylindrica**
*Sterna antillarum**
*Thamnophis sauritus**

McDonough
*Ammodramus henslowii**
Bartramia longicauda
*Caecidotea lesliei**
Clonophis kirtlandi
Crotalus horridus
Hemidactylium scutatum
Lanius ludovicianus
*Myotis sodalis**
Spermophilus franklinii
*Speyeria idalia**
*Tropidoclonion lineatum**

McHenry
*Aflexia rubranura**
*Alasmidonta viridis**
*Ammodramus henslowii**
*Bartramia longicauda**
*Botaurus lentiginosus**
*Buteo swainsoni**
*Charadrius melodus**
*Chlidonias niger**
*Circus cyaneus**
Cyclonaias tuberculata
*Elliptio dilatata**
*Emydoidea blandingii**
Epioblasma triquetra
Etheostoma exile
*Fundulus diaphanus**
*Gallinula chloropus**
*Grus canadensis**
*Ixobrychus exilis**
Ligumia recta
*Nannothemis bella**
*Notropis anogenus**
*Notropis heterodon**
*Notropis heterolepis**
*Nycticorax nycticorax**
*Rallus elegans**
Speyeria idalia
*Sterna forsteri**
Tyto alba
Villosa iris
*Xanthocephalus xanthocephalus**

McLean
*Alasmidonta viridis**
*Ammodramus henslowii**
Asio flammeus
Bartramia longicauda
Clonophis kirtlandi
Emydoidea blandingii
Lanius ludovicianus
Nycticorax nycticorax
*Spermophilus franklinii**
Speyeria idalia

Menard
*Acipenser fulvescens**
Alasmidonta viridis
Cyclonaias tuberculata
Elliptio dilatata
Epioblasma triquetra
Hesperia ottoe
Lanius ludovicianus
Ligumia recta
Plethobasus cyphyus
Pseudacris streckeri
Simpsonaias ambigua
*Spermophilus franklinii**
*Speyeria idalia**
Tyto alba

Mercer
*Acipenser fulvescens**
Alasmidonta viridis
Ammocrypta clarum
Cumberlandia monodonta
Cyclonaias tuberculata
Ellipsaria lineolata
Elliptio crassidens
Elliptio dilatata
Fusconaia ebena
*Haliaeetus leucocephalus**
Heterodon nasicus
Lampsilis higginsi
*Lanius ludovicianus**
Ligumia recta
Nyctanassa violacea
Nycticorax nycticorax
Plethobasus cyphyus
Potamilus capax
Simpsonaias ambigua
Sistrurus catenatus
Speyeria idalia
Tropidoclonion lineatum

Monroe
*Crotalus horridus**
Egretta caerulea
Elaphe emoryi
Ellipsaria lineolata
Erimystax x-punctatus
Gallinula chloropus
*Gammarus acherondytes**
*Gastrophryne carolinensis**
Heterodon nasicus

*Ictinia mississippiensis**
Lanius ludovicianus
Masticophis flagellum
*Myotis grisescens**
*Myotis sodalis**
Nyctanassa violacea
Nycticorax nycticorax
*Pseudacris streckeri**
Tantilla gracilis

Montgomery
*Ammodramus henslowii**
Lanius ludovicianus

Morgan
Ammocrypta clarum
Bartramia longicauda
Cyclonaias tuberculata
Ellipsaria lineolata
Elliptio crassidens
Emydoidea blandingii
Fundulus dispar
*Fusconaia ebena**
*Haliaeetus leucocephalus**
*Hesperia ottoe**
Heterodon nasicus
Kinosternon flavescens
Lampsilis higginsi
*Lanius ludovicianus**
Lepomis miniatus
Ligumia recta
Myotis sodalis
*Phalaropus tricolor**
*Pseudacris streckeri**
*Speyeria idalia**
Thryomanes bewickii
Tropidoclonion lineatum

Moultrie
Epioblasma triquetra
Hybopsis amblops
*Lanius ludovicianus**
Notropis boops
Nyctanassa violacea
Nycticorax nycticorax
Pandion haliaetus

Ogle
*Ammodramus henslowii**
Bartramia longicauda
Cyclonaias tuberculata
*Dendroica cerulea**
Elliptio dilatata
Emydoidea blandingii
Epioblasma triquetra
*Erimystax x-punctatus**
Fusconaia ebena
*Haliaeetus leucocephalus**
*Hemidactylium scutatum**
Heterodon nasicus
Lanius ludovicianus
Ligumia recta
Moxostoma carinatum
Notropis heterolepis
Pandion haliaetus
Spermophilus franklinii
*Speyeria idalia**

Peoria
*Acipenser fulvescens**
*Ammodramus henslowii**
*Botaurus lentiginosus**
Cyclonaias tuberculata
Dendroica cerulea
Ellipsaria lineolata
Elliptio crassidens
Elliptio dilatata
Emydoidea blandingii
Fundulus dispar
Fusconaia ebena
Heterodon nasicus
Ixobrychus exilis
Lampsilis higginsi
Lanius ludovicianus
Laterallus jamaicensis
Ligumia recta
Macrochelys temminckii
Pandion haliaetus
Rallus elegans
Speyeria idalia

Perry
*Ammodramus henslowii**
*Circus cyaneus**
*Crotalus horridus**
Dendroica cerulea
Gallinula chloropus
*Haliaeetus leucocephalus**
Hybognathus hayi
*Ixobrychus exilis**
*Lanius ludovicianus**
Limnothlypis swainsonii
Myotis sodalis
*Oryzomys palustris**
*Rallus elegans**
*Tyto alba**

Piatt
Alasmidonta viridis
*Ammodramus henslowii**
*Clonophis kirtlandi**
Dendroica cerulea
Elliptio dilatata
*Lanius ludovicianus**
Nyctanassa violacea
*Sistrurus catenatus**
Spermophilus franklinii
Villosa iris

Pike
Ammocrypta clarum
Ammodramus henslowii
*Circus cyaneus**
Crangonyx packardi
*Crotalus horridus**
*Cumberlandia monodonta**
Cyclonaias tuberculata
Dendroica cerulea
Egretta thula
Ellipsaria lineolata
Elliptio crassidens
Elliptio dilatata
*Fusconaia ebena**
*Haliaeetus leucocephalus**
*Hesperia metea**
Ictinia mississippiensis
Lampsilis higginsi
*Lanius ludovicianus**
*Ligumia recta**
*Myotis grisescens**
Myotis sodalis
Nycticorax nycticorax
Plethobasus cyphyus
Potamilus capax
Spermophilus franklinii
*Speyeria idalia**
Tyto alba

Pope
*Ammodramus henslowii**

*Circus cyaneus**
Crangonyx anomalus
*Crotalus horridus**
Dendroica cerulea
Ellipsaria lineolata
*Fusconaia ebena**
Gastrophryne carolinensis
*Haliaeetus leucocephalus**
*Hyla avivoca**
*Lampetra aepyptera**
Lanius ludovicianus
Limnothlypis swainsonii
*Myotis austroriparius**
Myotis grisescens
*Myotis sodalis**
Neotoma floridana
*Ochrotomys nuttalli**
*Orconectes indianensis**
*Orconectes placidus**
Oryzomys palustris
Potamilus capax
Pseudemys concinna
Ptychobranchus fasciolaris
Simpsonaias ambigua
*Sterna antillarum**
Thamnophis sauritus
Thryomanes bewickii
*Toxolasma lividus**
Villosa lienosa

Pulaski
Acipenser fulvescens
*Ammodramus henslowii**
*Corynorhinus rafinesquii**
Crotalus horridus
Cryptobranchus alleganiensis
*Cyclonaias tuberculata**
*Dendroica cerulea**
*Desmognathus conanti**
*Ellipsaria lineolata**
*Elliptio crassidens**
Elliptio dilatata
*Fusconaia ebena**
*Haliaeetus leucocephalus**
*Hybognathus hayi**
*Hyla avivoca**
*Ictinia mississippiensis**
*Ixobrychus exilis**
Lanius ludovicianus
Lepomis miniatus
*Lepomis symmetricus**
*Ligumia recta**
Limnothlypis swainsonii
Macrochelys temminckii
*Myotis austroriparius**
Myotis grisescens
*Myotis sodalis**
*Nyctanassa violacea**
Orconectes placidus
Oryzomys palustris
Plethobasus cooperianus
Plethobasus cyphyus
*Pleurobema cordatum**
Quadrula cylindrica
Thamnophis sauritus
*Tyto alba**

Putnam
*Chlidonias niger**
*Haliaeetus leucocephalus**
Heterodon nasicus
Ixobrychus exilis
Lanius ludovicianus
Nyctanassa violacea
Nycticorax nycticorax
Spermophilus franklinii
Tropidoclonion lineatum
*Xanthocephalus xanthocephalus**

Randolph
Ammocrypta clarum
*Asio flammeus**
Bartramia longicauda
*Circus cyaneus**
*Crotalus horridus**
Dendroica cerulea
Egretta caerulea
Elaphe emoryi
Falco peregrinus
Fusconaia ebena
Gallinula chloropus
Gastrophryne carolinensis
*Haliaeetus leucocephalus**
*Ictinia mississippiensis**
Ixobrychus exilis
Lanius ludovicianus
Macrochelys temminckii
Notropis boops
Pseudemys concinna
Scaphirhynchus albus
*Sterna antillarum**
Tantilla gracilis
*Tyto alba**

Richland
*Ammodramus henslowii**
Buteo swainsoni
Dendroica cerulea
*Lanius ludovicianus**
Nyctanassa violacea
Thamnophis sauritus
*Tyto alba**

Rock Island
Acipenser fulvescens
Alasmidonta viridis
Ammocrypta clarum
Crotalus horridus
*Cumberlandia monodonta**
Cyclonaias tuberculata
Dendroica cerulea
*Ellipsaria lineolata**
Elliptio crassidens
Elliptio dilatata
Emydoidea blandingii
Epioblasma triquetra
*Erimystax x-punctatus**
Etheostoma exile
Fusconaia ebena
*Haliaeetus leucocephalus**
*Hemidactylium scutatum**
Heterodon nasicus
Hybopsis amnis
Ixobrychus exilis
*Lampsilis higginsi**
Lanius ludovicianus
*Ligumia recta**
Macrochelys temminckii
Notropis heterolepis
*Nyctanassa violacea**
Nycticorax nycticorax
*Plethobasus cyphyus**
Potamilus capax
Simpsonaias ambigua
Thryomanes bewickii
*Xanthocephalus xanthocephalus**

St. Clair
Asio flammeus
*Botaurus lentiginosus**
Caecidotea spatulata
Crotalus horridus
*Dendroica cerulea**
*Egretta caerulea**
*Egretta thula**
Elaphe emoryi
*Fontigens antroecetes**
Fusconaia ebena
*Gallinula chloropus**
*Gammarus acherondytes**
*Haliaeetus leucocephalus**
*Ixobrychus exilis**
Lanius ludovicianus
Ligumia recta
*Myotis sodalis**
*Nyctanassa violacea**
*Nycticorax nycticorax**
Rallus elegans
Tantilla gracilis
Tropidoclonion lineatum

Saline
Ammodramus henslowii
Asio flammeus
Circus cyaneus
Crangonyx packardi
*Crotalus horridus**
Dendroica cerulea
*Haliaeetus leucocephalus**
Hybopsis amnis
Lanius ludovicianus
*Myotis sodalis**
*Ochrotomys nuttalli**
*Orconectes indianensis**
Oryzomys palustris
*Tyto alba**

Sangamon
Alasmidonta viridis
Bartramia longicauda
Clonophis kirtlandi
Dendroica cerulea
Elliptio dilatata
Epioblasma triquetra
*Falco peregrinus**
Ixobrychus exilis
*Lanius ludovicianus**
Ligumia recta
Myotis sodalis
Nycticorax nycticorax
Plethobasus cyphyus
*Spermophilus franklinii**
*Thryomanes bewickii**
*Tropidoclonion lineatum**
Villosa iris

Schuyler
Clonophis kirtlandi
*Haliaeetus leucocephalus**
Lanius ludovicianus
Myotis sodalis

Scott
Ellipsaria lineolata
Elliptio dilatata
*Fusconaia ebena**
Hesperia metea
Hesperia ottoe
Myotis sodalis
Nycticorax nycticorax
*Pseudacris streckeri**
Speyeria idalia

Shelby
Alasmidonta viridis
*Ammocrypta clarum**
*Ammodramus henslowii**
Bartramia longicauda
*Clonophis kirtlandi**
Elliptio dilatata
Hybopsis amblops
Hybopsis amnis
Lanius ludovicianus
Notropis boops
Pandion haliaetus
Plethobasus cyphyus
Sistrurus catenatus

Stark
Alasmidonta viridis
Elliptio dilatata
*Lanius ludovicianus**
Sistrurus catenatus
Spermophilus franklinii
Speyeria idalia

Stephenson
Elliptio dilatata
*Erimystax x-punctatus**
Etheostoma exile
*Fundulus dispar**
*Haliaeetus leucocephalus**
Ligumia recta
Notropis heterolepis

Tazewell
Dendroica cerulea
Elliptio dilatata
Fundulus dispar
*Haliaeetus leucocephalus**
Heterodon nasicus
Ixobrychus exilis
*Kinosternon flavescens**
Lanius ludovicianus
Lepomis miniatus
Lepomis symmetricus
Ligumia recta
Notropis chalybaeus
*Nycticorax nycticorax**
Pandion haliaetus
*Pseudacris streckeri**
Sistrurus catenatus
Villosa iris

Union
*Ammodramus henslowii**
Corynorhinus rafinesquii
Crangonyx packardi
*Crotalus horridus**
*Dendroica cerulea**
*Fundulus dispar**
*Gallinula chloropus**
Gastrophryne carolinensis
*Haliaeetus leucocephalus**
Hybognathus hayi
*Hyla avivoca**
*Ictinia mississippiensis**
*Ixobrychus exilis**
Lanius ludovicianus
Lepomis miniatus
*Lepomis symmetricus**
Limnothlypis swainsonii
Macrhybobis gelida
Macrochelys temminckii
Myotis austroriparius
*Myotis sodalis**

*Neotoma floridana**
*Nerodia cyclopion**
*Notropis boops**
Notropis heterolepis
*Nyctanassa violacea**
*Ochrotomys nuttalli**
*Oryzomys palustris**
Pseudemys concinna
Scaphirhynchus albus
*Sterna antillarum **
Tantilla gracilis
*Tyto alba**

Vermilion
*Alasmidonta viridis**
*Ambystoma platineum**
*Ammocrypta pellucidum**
*Ammodramus henslowii**
Asio flammeus
Bartramia longicauda
Calephelis muticum
Circus cyaneus
Clonophis kirtlandi
*Cyclonaias tuberculata**
Cyprogenia stegaria
Dendroica cerulea
Elliptio dilatata
*Emydoidea blandingii**
Epioblasma triquetra
*Erimystax x-punctatus**
*Etheostoma camurum**
Etheostoma exile
*Haliaeetus leucocephalus**
*Hemidactylium scutatum**
*Hybopsis amblops**
*Ixobrychus exilis**
*Lampsilis fasciola**
Lanius ludovicianus
Ligumia recta
*Moxostoma carinatum**
*Myotis sodalis**
*Nocomis micropogon**
*Notropis boops**
Notropis heterolepis
Noturus stigmosus
Nycticorax nycticorax
*Pleurobema clava**
*Ptychobranchus fasciolaris**
*Quadrula cylindrica**
Simpsonaias ambigua
Sistrurus catenatus
*Spermophilus franklinii**
*Toxolasma lividus**
*Tyto alba**
*Villosa iris**
*Villosa lienosa**

Wabash
*Chlidonias niger**
Corynorhinus rafinesquii
*Crotalus horridus**
Cumberlandia monodonta
Cyclonaias tuberculata
Cyprogenia stegaria
Dendroica cerulea
Ellipsaria lineolata
Elliptio crassidens
Elliptio dilatata
Epioblasma triquetra
*Etheostoma histrio**
Falco peregrinus
Fundulus dispar
Fusconaia ebena
Lampsilis abrupta
Lanius ludovicianus
Ligumia recta
Macrochelys temminckii
Myotis sodalis
Noturus stigmosus
Nyctanassa violacea
*Phalaropus tricolor**
Plethobasus cyphyus
Pleurobema clava
Pleurobema cordatum
*Potamilus capax**
Pseudemys concinna
Ptychobranchus fasciolaris
Quadrula cylindrica
Simpsonaias ambigua
*Sterna antillarum**
Thamnophis sauritus

Warren
Notropis heterolepis
Sistrurus catenatus

Washington
*Ammodramus henslowii**
*Dendroica cerulea**
Ellipsaria lineolata
Elliptio dilatata
Hybognathus hayi
*Ixobrychus exilis**
*Lanius ludovicianus**
Ligumia recta
Plethobasus cyphyus
Tympanuchus cupido

Wayne
Dendroica cerulea
Elliptio dilatata
Epioblasma triquetra
*Fusconaia ebena**
*Lanius ludovicianus**
Ptychobranchus fasciolaris
Tympanuchus cupido
Tyto alba

White
Cryptobranchus alleganiensis
Cumberlandia monodonta
Cyclonaias tuberculata
Cyprogenia stegaria
*Dendroica cerulea**
Ellipsaria lineolata
Elliptio crassidens
Elliptio dilatata
Epioblasma triquetra
*Etheostoma histrio**
Fundulus dispar
Fusconaia ebena
*Haliaeetus leucocephalus**
Lanius ludovicianus
*Lepomis miniatus**
Lepomis symmetricus
Ligumia recta
Macrochelys temminckii
Notropis heterolepis
Orconectes indianensis
Oryzomys palustris
Plethobasus cooperianus
Plethobasus cyphyus
Pleurobema clava
Pleurobema cordatum
*Potamilus capax**
*Pseudemys concinna**
Ptychobranchus fasciolaris
Quadrula cylindrica
Simpsonaias ambigua
Toxolasma lividus

*Tympanuchus cupido**
Villosa lienosa

Whiteside
Acipenser fulvescens
Cyclonaias tuberculata
*Dendroica cerulea**
*Ellipsaria lineolata**
Elliptio crassidens
Elliptio dilatata
*Emydoidea blandingii**
*Erimystax x-punctatus**
Fusconaia ebena
*Grus canadensis**
*Haliaeetus leucocephalus**
Heterodon nasicus
Hybopsis amnis
*Ixobrychus exilis**
Kinosternon flavescens
Lampsilis higginsi
Lanius ludovicianus
*Ligumia recta**
Notropis heterolepis
Notropis texanus
Plethobasus cyphyus
Tyto alba
*Xanthocephalus xanthocephalus**

Will
*Aflexia rubranura**
Alasmidonta viridis
Ammocrypta clarum
*Ammodramus henslowii**
*Bartramia longicauda**
Botaurus lentiginosus
*Circus cyaneus**
*Clemmys guttata**
*Clonophis kirtlandi**
Cumberlandia monodonta
*Cyclonaias tuberculata**
Elliptio dilatata
*Emydoidea blandingii**
Epioblasma triquetra
*Etheostoma exile**
*Gallinula chloropus**
*Hemidactylium scutatum**
*Hybopsis amnis**
*Ixobrychus exilis**
Lampsilis higginsi
*Lanius ludovicianus**
*Ligumia recta**
Moxostoma carinatum
Moxostoma valenciennesi
Notropis heterolepis
*Nyctanassa violacea**
*Nycticorax nycticorax**
Pandion haliaetus
*Papaipema eryngii**
Plethobasus cyphyus
*Rallus elegans**
Simpsonaias ambigua
*Sistrurus catenatus**
*Somatochlora hineana**
*Spermophilus franklinii**
Speyeria idalia
Villosa iris
*Xanthocephalus xanthocephalus**

Williamson
*Ammodramus henslowii**
*Bartramia longicauda**
Botaurus lentiginosus
Crotalus horridus
Dendroica cerulea
*Haliaeetus leucocephalus**
Hybopsis amnis
Ixobrychus exilis
*Lampetra aepyptera**
Nyctanassa violacea
Ochrotomys nuttalli
*Orconectes indianensis**
*Oryzomys palustris**
Pandion haliaetus
Thryomanes bewickii
*Tyto alba**

Winnebago
Alasmidonta viridis
Ammocrypta clarum
*Ammodramus henslowii**
Bartramia longicauda
Botaurus lentiginosus
Buteo swainsoni
Circus cyaneus
Cumberlandia monodonta
Cyclonaias tuberculata
Dendroica cerulea
Elliptio dilatata
Emydoidea blandingii
Epioblasma triquetra
*Erimystax x-punctatus**
*Etheostoma exile**
*Fundulus dispar**
*Grus canadensis**
*Haliaeetus leucocephalus**
Hesperia ottoe
Ixobrychus exilis
*Lanius ludovicianus**
*Ligumia recta**
Notropis texanus
Nycticorax nycticorax
Pandion haliaetus
Plethobasus cyphyus
*Rallus elegans**
Speyeria idalia

Woodford
Alasmidonta viridis
Clonophis kirtlandi
*Elliptio dilatata**
*Haliaeetus leucocephalus**
*Ligumia recta**
Notropis heterolepis
Spermophilus franklinii

APPENDIX III - Cross Reference of Species to County -- Species Listing

Counties with an asterisk (*) after them represent counties with recent (> 1994) records. Counties without an asterisk represent historic (< 1994) records.

Acipenser fulvescens
Adams
Carroll
Cook
Gallatin*
Hancock*
Henderson
Jo Daviess
Lake
LaSalle
Mason
Massac
Menard*
Mercer*
Peoria*
Pulaski
Rock Island
Whiteside

Aflexia rubranura
Cook
Grundy*
Lake*
McHenry*
Will*

Alasmidonta viridis
Boone
Champaign*
Cook*
DeKalb*
DeWitt
Douglas*
DuPage
Ford*
Fulton
Grundy
Iroquois
Jersey
Jo Daviess*
Kane*
Kankakee
Kendall*
LaSalle*
Logan
McHenry*
McLean*
Menard
Mercer
Piatt
Rock Island
Sangamon
Shelby
Stark
Vermilion*
Will
Winnebago
Woodford

Ambystoma jeffersonianum
Clark*
Edgar*

Ambystoma platineum
Cook
Vermilion*

Ammocrypta clarum
Calhoun*
Carroll
Fayette*
Jackson*
Jo Daviess*
Logan
Madison*
Mercer
Morgan
Pike
Randolph
Rock Island
Shelby*
Will
Winnebago

Ammocrypta pellucidum
Champaign
Coles*
Crawford*
Cumberland*
Effingham
Ford
Jasper*
Vermilion*

Ammodramus henslowii
Adams
Boone*
Brown*
Calhoun*
Cass*
Champaign*
Coles*
Cook*
DuPage*
Effingham*
Ford*
Fulton*
Grundy*
Iroquois*
Jackson*
Jasper*
Jo Daviess*
Johnson*
Knox*
Lake*
LaSalle*
Lawrence*
Lee*
Logan*
Marion*
McDonough*
McHenry*
McLean*
Montgomery*
Ogle*
Peoria*
Perry*
Piatt*
Pike

Pope*
Pulaski*
Richland
Saline
Shelby*
Union*
Vermilion*
Washington*
Will*
Williamson*
Winnebago*

Asio flammeus
Cook
Jasper*
Kane*
Lake
Lee
Marion*
McLean
Randolph*
St. Clair
Saline
Vermilion

Atrytone arogos
Mason

Bartramia longicauda
Adams
Bond
Carroll
Champaign*
Christian
Coles*
Cook*
DeKalb
DuPage*
Effingham
Ford
Franklin
Fulton*
Greene
Grundy
Hancock*
Henry*
Jasper*
Jo Daviess*
Kane
Kankakee
Knox
Lake*
LaSalle
Lawrence
Lee*
Livingston*
Macon*
Madison
Marion*
McDonough
McHenry*
McLean
Morgan
Ogle
Randolph
Sangamon
Shelby
Vermilion
Will*
Williamson*
Winnebago

Botaurus lentiginosus
Brown*
Carroll
Cass
Champaign
Cook*
DeKalb
DuPage
Fulton*
Grundy*
Henry
Iroquois
Jasper*
Kane*
Lake
Lawrence*
Lee
McHenry*
Peoria*
St. Clair*
Will
Williamson
Winnebago

Buteo swainsoni
Boone
Champaign
Kane*
McHenry*
Richland
Winnebago

Caecidotea lesliei
McDonough*

Caecidotea spatulata
St. Clair

Calephelis muticum
Coles
Cook
Fayette*
Madison
Vermilion

Canus lupus
Marshall

Catostomus catostomus
Cook*
Lake

Charadrius melodus
Cook
Lake

Chlidonias niger
Cook*
DuPage*
Henry
Lake*
McHenry*
Putnam*
Wabash*

Circus cyaneus
Champaign*
Coles*
DuPage*
Franklin*
Grundy*
Iroquois*
Jasper*
Johnson*
Knox
LaSalle
Marion*
McHenry*

Perry*
Pike*
Pope*
Randolph*
Saline
Vermilion
Will*
Winnebago

Clemmys guttata
Cook
Will*

Clonophis kirtlandi
Adams
Champaign
Christian
Clinton
Coles*
Cook*
Douglas*
DuPage
Effingham*
Fayette*
Fulton
Lake
Macon
McDonough
McLean
Piatt*
Sangamon
Schuyler
Shelby*
Vermilion
Will*
Woodford

Coregonus artedii
Cook
Lake

Corynorhinus rafinesquii
Alexander*
Jackson*
Johnson*
Pulaski*
Union
Wabash

Crangonyx anomalus
Pope

Crangonyx packardi
Hardin
Johnson*
Pike
Saline
Union

Crotalus horridus
Adams
Alexander*
Bond
Calhoun*
Carroll*
Clark*
Coles
Cumberland
Effingham*
Fulton
Gallatin
Greene
Hancock*
Hardin
Jackson*
Jasper
Jefferson
Jersey*
Jo Daviess*
Johnson
Kankakee*
LaSalle*
Madison*
McDonough
Monroe*
Perry*
Pike*
Pope*
Pulaski
Randolph*
Rock Island
St. Clair
Saline*
Union*
Wabash*
Williamson

Cryptobranchus alleganiensis
Hamilton
Hardin
Lawrence
Massac
Pulaski
White

Cumberlandia monodonta
Adams
Calhoun
Grundy
Hancock*
Henderson
Massac*
Mercer
Pike*
Rock Island*
Wabash
White
Will
Winnebago

Cyclonaias tuberculata
Adams
Bureau
Carroll
Cass
Champaign*
Clark
Cook
Crawford
DeKalb
Fulton
Grundy
Hancock
Jo Daviess
Kane
Kankakee*
Kendall
LaSalle
Lawrence
Lee
Madison
Mason
Massac
McHenry
Menard
Mercer

Morgan
Ogle
Peoria
Pike
Pulaski*
Rock Island
Vermilion*
Wabash
White
Whiteside
Will*
Winnebago

Cyprogenia stegaria
Clark
Crawford
Gallatin
Jasper
Lawrence
Massac
Vermilion
Wabash
White

Dendroica cerulea
Adams
Alexander
Carroll*
Clark
Clinton*
Coles
Cook
Crawford
DuPage
Fayette
Franklin*
Gallatin*
Hardin
Jackson*
Jersey*
Jo Daviess*
Johnson*
Kankakee
Lake
Lawrence
Lee*
Macon
Massac
Ogle*
Peoria
Perry
Piatt
Pike
Pope
Pulaski*
Randolph
Richland
Rock Island
St. Clair*
Saline
Sangamon
Tazewell
Union*
Vermilion
Wabash
Washington*
Wayne
White*
Whiteside*
Williamson
Winnebago

Desmognathus conanti
Johnson*
Pulaski*

Discus macclintocki
Jo Daviess*

Egretta caerulea
Calhoun
Cook*
Jersey
Madison*
Monroe
Randolph
St. Clair*

Egretta thula
Cook
Madison*
Pike
St. Clair*

Elaphe emoryi
Jersey*
Madison
Monroe
Randolph
St. Clair

Ellipsaria lineolata
Adams*
Bureau
Calhoun*
Carroll
Cass
Clark
Crawford
Fulton
Gallatin
Grundy
Hancock*
Henderson
Jersey*
Jo Daviess*
LaSalle
Lawrence
Madison
Mason
Massac*
Mercer
Monroe
Morgan
Peoria
Pike*
Pope
Pulaski*
Rock Island*
Scott
Wabash
Washington
White
Whiteside*

Elliptio crassidens
Adams
Alexander
Calhoun
Carroll
Clark
Cook
Crawford
Fulton
Gallatin
Grundy
Hancock
Henderson
Jo Daviess
LaSalle
Lawrence

Massac*
Mercer
Morgan
Peoria
Pike
Pulaski*
Rock Island
Wabash
White
Whiteside

Elliptio dilatata
Adams
Bond
Boone
Bureau
Calhoun
Carroll
Cass
Champaign
Christian
Clark
Clay
Clinton*
Coles*
Cook
Crawford
Cumberland
DeWitt*
Douglas*
DuPage
Edgar
Edwards
Franklin
Fulton
Grundy
Hancock
Hardin
Henderson
Henry
Iroquois
Jackson
Jasper
Jo Daviess
Kane*
Kankakee*
Kendall
Knox
Lake
LaSalle*
Lawrence
Lee
Livingston
Logan
Madison
Mason
Massac
McHenry*
Menard
Mercer
Ogle
Peoria
Piatt
Pike
Pulaski
Rock Island
Sangamon
Scott
Shelby
Stark
Stephenson
Tazewell
Vermilion
Wabash
Washington
Wayne
White
Whiteside
Will
Winnebago
Woodford*

Emydoidea blandingii
Bureau*
Carroll*
Cass
Champaign
Coles
Cook*
Cumberland
DeKalb
DuPage*
Grundy*
Henderson
Henry
Iroquois*
Jasper*
Jo Daviess
Kane*
Kankakee*
Lake*
LaSalle*
Lee*
Mason*
McHenry*
McLean
Morgan
Ogle
Peoria
Rock Island
Vermilion*
Whiteside*
Will*
Winnebago

Epioblasma triquetra
Coles
Cumberland
Douglas*
Fulton
Grundy
Kankakee
LaSalle
Massac
McHenry
Menard
Moultrie
Ogle
Rock Island
Sangamon
Vermilion
Wabash
Wayne
White
Will
Winnebago

Erimystax x-punctatus
Clark
Clinton
Coles
DeKalb*
Fulton
Lawrence
Lee*
Logan
Macon
Monroe
Ogle*
Rock Island*

Stephenson*
Vermilion*
Whiteside*
Winnebago*

Etheostoma camurum
Vermilion*

Etheostoma exile
Boone
Cook*
DeKalb
Henry
Kane*
Kendall
Lake*
LaSalle
McHenry*
Rock Island
Stephenson
Vermilion
Will*
Winnebago*

Etheostoma histrio
Coles
Cumberland
Gallatin*
Jasper
Wabash*
White*

Falco peregrinus
Cook*
Jackson
Jersey
Lake*
Madison*
Randolph
Sangamon*
Wabash

Fontigens antroecetes
St. Clair*

Fundulus diaphanus
Cook*
Lake*
McHenry*

Fundulus dispar
Calhoun
Cook
Fulton
Iroquois*
Jersey
Kankakee*
Lake*
Lawrence
Mason*
Morgan
Peoria
Stephenson*
Tazewell
Union*
Wabash
White
Winnebago*

Fusconaia ebena
Adams
Alexander
Brown
Bureau
Calhoun
Carroll
Cass
Clark
Crawford
Cumberland
Fulton
Gallatin*
Hancock*
Hardin
Henderson
Jasper
Jersey*
Jo Daviess
Kankakee
Lawrence
Madison
Marshall
Mason
Massac*
Mercer
Morgan*
Ogle
Peoria
Pike*
Pope*
Pulaski*
Randolph
Rock Island
St. Clair
Scott*
Wabash
Wayne*
White
Whiteside

Gallinula chloropus
Cass*
Cook*
Douglas*
DuPage*
Grundy*
Kane*
Lake*
Lawrence*
Lee
Madison*
Mason*
Massac
McHenry*
Monroe
Perry
Randolph
St. Clair*
Union*
Will*

Gammarus acherondytes
Monroe*
St. Clair*

Gastrophryne carolinensis
Hardin
Jackson
Monroe*
Pope
Randolph
Union

Grus canadensis
Carroll*
Champaign
Cook*
DuPage*
Grundy*
Kane*

Lake*
McHenry*
Whiteside*
Winnebago*

Haliaeetus leucocephalus
Adams*
Alexander*
Bureau*
Calhoun*
Carroll*
Cass*
Crawford*
Edwards
Fayette*
Franklin*
Fulton*
Gallatin*
Greene*
Hancock*
Hardin*
Henderson
Henry*
Jackson*
Jasper*
Jefferson*
Jersey*
Jo Daviess*
Johnson*
LaSalle*
Marion*
Marshall*
Mason*
Massac
Mercer*
Morgan*
Ogle*
Perry*
Pike*
Pope*
Pulaski*
Putnam*
Randolph*
Rock Island*
St. Clair*
Saline*
Schuyler*
Stephenson*
Tazewell*
Union*
Vermilion*
White*
Whiteside*
Williamson*
Winnebago*
Woodford*

Hemidactycium scutatum
Carroll*
Cook
Jersey
Jo Daviess*
Knox*
Lake
LaSalle*
Lawrence*
McDonough
Ogle*
Rock Island*
Vermilion*
Will*

Hesperia metea
Greene
Mason
Pike*
Scott

Hesperia ottoe
Cass*
Lake
Mason*
Menard
Morgan*
Scott
Winnebago

Heterodon nasicus
Carroll*
Cass*
Henderson*
Henry
Jo Daviess*
Kankakee*
Lee
Mason*
Mercer
Monroe
Morgan
Ogle
Peoria
Putnam
Rock Island
Tazewell
Whiteside

Hybognathus hayi
Alexander*
Jefferson
Johnson*
Perry
Pulaski*
Union
Washington

Hybopsis amblops
Champaign
Clark
Clay
Coles
Cumberland
Edgar*
Effingham
Kankakee*
Moultrie
Shelby
Vermilion*

Hybopsis amnis
Carroll
Champaign
Clay
Cook
Fayette
Franklin
Grundy
Henderson
Iroquois
Jefferson
Jo Daviess
Rock Island
Saline
Shelby
Whiteside
Will*
Williamson

Hyla avivoca
Alexander*
Jackson

Johnson*
Pope*
Pulaski*
Union*

Ichthyomyzon fossor
Kankakee

Ictinia mississippiensis
Adams
Alexander
Calhoun*
Jackson*
Jersey*
Johnson*
Massac
Monroe*
Pike
Pulaski*
Randolph*
Union*

Incisalia polios
Cook
Lake*

Ixobrychus exilis
Carroll
Cass
Champaign
Coles
Cook*
Crawford
DuPage
Fayette*
Grundy*
Henry
Jasper*
Johnson*
Kane*
Kendall
Lake*
Lawrence*
Lee*
Madison*
Marshall
Mason
Massac
McHenry*
Peoria
Perry*
Pulaski*
Putnam
Randolph
Rock Island
St. Clair*
Sangamon
Tazewell
Union*
Vermilion*
Washington*
Whiteside*
Will*
Williamson
Winnebago

Kinosternon flavescens
Cass*
Henderson
Henry*
Lake
Lee
Mason
Morgan
Tazewell*
Whiteside

Lampetra aepyptera
Hardin*
Johnson*
Pope*
Williamson*

Lampsilis abrupta
Massac
Wabash

Lampsilis fasciola
Champaign*
Cook
Ford*
Kane
Vermilion*

Lampsilis higginsi
Adams
Bureau
Calhoun
Carroll
Cass
Fulton
Grundy
Hancock
Henderson
Jo Daviess*
LaSalle
Mason
Mercer
Morgan
Peoria
Pike
Rock Island*
Whiteside
Will

Lanius ludovicianus
Adams
Alexander
Bond*
Boone
Bureau*
Carroll
Cass
Champaign
Christian*
Clay*
Clinton
Coles
Cook
Crawford*
DeKalb*
DeWitt
Douglas*
DuPage
Edwards
Effingham*
Fayette*
Ford
Franklin*
Greene*
Grundy
Hancock
Henry
Iroquois
Jackson
Jasper*
Jefferson
Jo Daviess*
Johnson
Kane

Kendall
Knox*
Lake
LaSalle
Lawrence*
Lee
Logan
Marion*
Marshall
Mason
Massac
McDonough
McLean
Menard
Mercer*
Monroe
Montgomery
Morgan*
Moultrie*
Ogle
Peoria
Perry*
Piatt*
Pike*
Pope
Pulaski
Putnam
Randolph
Richland*
Rock Island
St. Clair
Saline
Sangamon*
Schuyler
Shelby
Stark*
Tazewell
Union
Vermilion
Wabash
Washington*
Wayne*
White
Whiteside
Will*
Winnebago*

Laterallus jamaicensis
Adams
Champaign
Cook
DuPage*
Lee*
Mason*
Peoria

Lepomis miniatus
Cass
Gallatin*
Hancock
Iroquois
Marshall
Mason*
Massac
Morgan
Pulaski
Tazewell
Union
White*

Lepomis symmetricus
Alexander*
Pulaski*
Tazewell
Union*
White

Ligumia recta
Adams
Alexander
Calhoun*
Carroll*
Cass
Clark
Clinton
Cook
Crawford
DeKalb
Edgar
Fulton
Grundy
Hancock*
Henderson
Iroquois*
Jasper
Jersey*
Jo Daviess*
Kane*
Kankakee*
Kendall
Knox
LaSalle
Lee*
Madison
Mason
Massac*
McHenry
Menard
Mercer
Morgan
Ogle
Peoria
Pike*
Pulaski*
Rock Island*
St. Clair
Sangamon
Stephenson
Tazewell
Vermilion
Wabash
Washington
White
Whiteside*
Will*
Winnebago*
Woodford

Limnothlypis swainsonii
Alexander
Jackson
Johnson
Massac
Perry
Pope
Pulaski
Union

Lycaeides melissa samuelis
Lake*

Macrhybopsis gelida
Jackson*
Madison
Union

Machrochelys temminckii
Adams
Calhoun
Jackson

Jersey
Mason
Massac
Peoria
Pulaski
Randolph
Rock Island
Union
Wabash
White

Masticophis flagellum
Monroe

Moxostoma carinatum
Douglas
Grundy*
Kane*
Kankakee*
Kendall*
LaSalle*
Livingston*
Mason
Ogle
Vermilion*
Will

Moxostoma valenciennesi
DuPage
Grundy*
Kane*
Kankakee
Kendall*
LaSalle
Livingston*
Will

Myotis austroriparius
Alexander*
Hardin*
Johnson*
Massac*
Pope*
Pulaski*
Union

Myotis grisescens
Adams*
Alexander
Hardin*
Jackson
Johnson
LaSalle
Madison
Monroe*
Pike*
Pope
Pulaski

Myotis sodalis
Adams*
Alexander*
Bond*
Cass
Christian
Clinton*
Cook
Edwards
Ford
Fulton*
Hardin*
Henderson
Iroquois
Jackson*
Jersey*
Jo Daviess
Johnson*
LaSalle*
Lawrence
Macoupin
Madison
Mason*
McDonough*
Monroe*
Morgan
Perry
Pike
Pope*
Pulaski*
St. Clair*
Saline*
Sangamon
Schuyler
Scott
Union*
Vermilion*
Wabash

Nannothemis bella
Cook
McHenry*

Neotoma floridana
Alexander
Gallatin
Hardin
Jackson*
Johnson
Pope
Union*

Nerodia cyclopion
Alexander
Union*

Nerodia fasciata
Alexander

Nocomis micropogon
Clark
Lawrence
Vermilion*

Notropis anogenus
Lake*
Mason
McHenry*

Notropis boops
Alexander*
Coles
Edgar
Effingham
Grundy
Jackson
Jersey
Madison
Moultrie
Randolph
Shelby
Union*
Vermilion*

Notropis chalybaeus
Cook
Iroquois*
Kankakee*
Mason*
Tazewell

Notropis heterodon
Cook
Lake*
McHenry*

Notropis heterolepis
Boone
Bureau*
Champaign
Coles
Cook
DeKalb
DuPage
Fulton
Iroquois
Jo Daviess
Kane
Kankakee
Kendall
Lake*
LaSalle
Livingston
Mason
McHenry*
Ogle
Rock Island
Stephenson
Union
Vermilion
Warren
White
Whiteside
Will
Woodford

Notropis maculatus
Massac

Notropis texanus
Bureau*
Henderson
Iroquois*
Kankakee*
Whiteside
Winnebago

Noturus stigmosus
Massac*
Vermilion
Wabash

Nyctanassa violacea
Bureau
Champaign
Cook*
Fayette*
Gallatin
Jackson
Jasper*
Jersey
Johnson
Kane
Lake*
Lawrence*
Macon
Madison*
Massac*
Mercer
Monroe
Moultrie
Piatt
Pulaski*
Putnam
Richland
Rock Island*
St. Clair*
Union*
Wabash
Will*
Williamson

Nycticorax nycticorax
Bond
Bureau
Calhoun
Champaign
Cook*
Douglas
DuPage*
Fulton
Henry
Kane*
Lake*
LaSalle
Lee
Macon
Madison
Mason*
McHenry*
McLean
Mercer
Monroe
Moultrie
Pike
Putnam
Rock Island
St. Clair*
Sangamon
Scott
Tazewell*
Vermilion
Will*
Winnebago

Ochrotomys nuttalli
Alexander*
Gallatin*
Hardin*
Jackson
Johnson*
Pope*
Saline*
Union*
Williamson

Orconectes indianensis
Gallatin*
Hardin*
Johnson*
Pope*
Saline*
White
Williamson*

Orconectes kentuckiensis
Hardin*

Orconectes lancifer
Alexander*

Orconectes placidus
Hardin*
Massac*
Pope*
Pulaski

Oryzomys palustris
Alexander*
Franklin
Hamilton
Jackson

Johnson*
Massac*
Perry*
Pope
Pulaski
Saline
Union*
White
Williamson*

Pandion haliaetus
Adams
Boone
Cook*
Jackson
Kendall*
Massac*
Moultrie
Ogle
Peoria
Shelby
Tazewell
Will
Williamson
Winnebago

Papaipema eryngii
Cook*
Grundy*
Will*

Paraphlepsius lupalus
Lake

Phalaropus tricolor
Cook
DeKalb*
Kane*
Lake
Morgan*
Wabash*

Plethobasus cooperianus
Massac*
Pulaski
White

Plethobasus cyphyus
Adams
Alexander
Carroll
Cass
Clark
Clinton
Crawford
Fayette
Fulton
Gallatin
Grundy
Hancock
Henderson
Jasper
Jo Daviess
Kane
Kankakee*
LaSalle
Lawrence
Mason
Massac*
Menard
Mercer
Pike
Pulaski
Rock Island*
Sangamon
Shelby
Wabash
Washington
White
Whiteside
Will
Winnebago

Pleurobema clava
Clark
Crawford
Cumberland
Gallatin
Lawrence
Massac
Vermilion*
Wabash
White

Pleurobema cordatum
Alexander
Clark
Crawford
Gallatin
Lawrence
Massac*
Pulaski*
Wabash
White

Potamilus capax
Adams
Alexander
Calhoun
Fulton
Gallatin*
Hancock
Hardin*
Henderson
Jersey
Lawrence
Madison
Massac*
Mercer
Pike
Pope
Rock Island
Wabash*
White*

Pseudacris streckeri
Alexander*
Cass*
Madison*
Mason
Menard
Monroe*
Morgan*
Scott*
Tazewell*

Pseudemys concinna
Alexander
Franklin
Gallatin*
Hardin
Jackson
Jersey
Massac*
Pope
Randolph
Union
Wabash
White*

Ptychobranchus fasciolaris
Clark
Coles*
Crawford
Cumberland
Douglas*
Edgar
Gallatin
Jasper
Lawrence
Pope
Vermilion*
Wabash
Wayne
White

Quadrula cylindrica
Champaign
Clark
Crawford
Gallatin
Jasper
Lawrence
Massac*
Pulaski
Vermilion*
Wabash
White

Rallus elegans
Cass
Cook
Franklin*
Fulton
Grundy*
Jasper*
Johnson
Lake*
Lawrence*
Madison
Mason*
McHenry*
Peoria
Perry*
St. Clair
Will*
Winnebago*

Scaphirhynchus albus
Madison*
Randolph
Union

Simpsonaias ambigua
Champaign
Coles
Kankakee
LaSalle
Madison
Menard
Mercer
Pope
Rock Island
Vermilion
Wabash
White
Will

Sistrurus catenatus
Adams
Champaign
Clinton*
Cook*
Cumberland
DeKalb
DeWitt
DuPage
Edgar
Fayette
Hancock
Knox
Lake*
Logan
Madison*
Mercer
Piatt*
Shelby
Stark
Tazewell
Vermilion
Warren
Will*

Somatochlora hineana
Cook*
DuPage*
Will*

Spermophilus franklinii
Adams
Carroll
Cass
Champaign*
Christian
Coles
Cook
DeWitt*
Douglas
DuPage
Ford
Fulton
Greene*
Grundy
Hancock
Iroquois
Kane
Knox
Lake
LaSalle
Livingston
Macoupin
McDonough
McLean*
Menard*
Ogle
Piatt
Pike
Putnam
Sangamon*
Stark
Vermilion*
Will*
Woodford

Speyeria idalia
Adams
Carroll
Cass*
Champaign
Coles
Cook
DuPage
Fulton
Grundy
Hancock
Henderson
Iroquois*
Kane
Kankakee
Knox

Lake
LaSalle*
Lee*
Livingston
Logan
Mason*
McDonough*
McHenry
McLean
Menard*
Mercer
Morgan*
Ogle*
Peoria
Pike*
Scott
Stark
Will
Winnebago

Sterna antillarum
Alexander*
Cook
Gallatin
Jackson
Lake
Madison
Massac*
Pope*
Randolph*
Union*
Wabash*

Sterna forsteri
Cook
Lake*
McHenry*

Sterna hirundo
Lake*

Stygobromus iowae
Carroll*
Jo Daviess

Tantilla gracilis
Monroe
Randolph
St. Clair
Union

Thamnophis sauritus
Edwards*
Johnson*
Lawrence*
Massac*
Pope
Pulaski
Richland
Wabash

Thryomanes bewickii
Adams*
Brown*
Bureau
Champaign
Cumberland*
Jersey
Johnson
Kane
Macon
Madison
Mason*
Morgan
Pope
Rock Island
Sangamon*
Williamson

Toxolasma lividus
Champaign
Coles
Douglas
Iroquois
Pope*
Vermilion*
White

Tropidoclonion lineatum
Carroll
Champaign
Macon
Macoupin
Madison
McDonough*
Mercer
Morgan
Putnam
St. Clair
Sangamon*

Tympanuchus cupido
Champaign
Clay*
Effingham*
Fayette*
Jasper*
Marion*
Washington
Wayne
White*

Tyto alba
Carroll
Champaign
Christian*
Clinton*
Coles*
Cook
DeKalb
Fayette*
Ford
Franklin*
Hamilton*
Jasper*
Jefferson
Marion*
Mason*
McHenry
Menard
Perry*
Pike
Pulaski*
Randolph*
Richland*
Saline*
Union*
Vermilion*
Wayne
Whiteside
Williamson*

Villosa iris
Champaign
Cook
Kane
Kankakee
Kendall
LaSalle
Livingston
Logan

McHenry
Piatt
Sangamon
Tazewell
Vermilion*
Will

Villosa lienosa
Champaign*
Clay
Coles
Cumberland
Douglas*
Edgar*
Effingham
Ford
Iroquois
Marion
Pope
Vermilion*
White

Xanthocephalus xanthocephalus
Bureau*
Carroll*
Cass
Cook*
DuPage*
Jo Daviess
Kane*
Lake*
Lee*
Madison
Mason*
McHenry*
Putnam*
Rock Island*
Whiteside*
Will*

Helpful Contacts Regarding Endangered and Threatened Species In Illinois

Illinois Department of Natural Resources

Division of Natural Heritage: identification, protection, management, and recovery of nongame and endangered species, natural areas, nature preserves 217/785-8774.

Endangered and Threatened Species Conservation Program: management and recovery of endangered species 217/785-8774.

Division of Resource Review and Coordination: endangered species consultation (impact assessments) 217/785-5500.

Natural Heritage Database: computerized database of natural areas, endangered species, and other significant features in Illinois 217/785-8774.

Natural Areas Program: identification, acquisition, or management of natural areas 217/785-8774.

Illinois Endangered Species Protection Board

Status and distribution of endangered and threatened species, listing of species as endangered or threatened 217/785-8687.

Illinois Nature Preserves Commission

Protection and Dedication of State Nature Preserves 217/785-8686.

Equal opportunity to participate in programs of the Illinois Department of Natural Resources (IDNR), Illinois Endangered Species Protection Board, and those funded by the U.S. Fish and Wildlife Service and other agencies is available to all individuals regardless of race, sex, national origin, disability, age, religion, or other non-merit factors. If you believe you have been discriminated against, contact the funding source's civil rights office and/or the Equal Employment Opportunity Officer, IDNR, One Natural Resources Way, Springfield, IL 62702-1271; 217/782-1274.

Information is available to the hearing impaired by calling the Illinois Department of Natural Resources Telecommunications Device for the Deaf [TDD] at 217/782-9175.

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Rod Blagojevich, Governor