

CHAPTER 77  
ENDANGERED AND THREATENED PLANT AND ANIMAL SPECIES  
[Prior to 12/31/86, Conservation Commission[290], Ch 19]

**571—77.1(481B) Definitions.** As used in this rule:

“*Endangered species*” means any species of fish, plant life, or wildlife which is in danger of extinction throughout all or a significant part of its range.

“*Special concern species*” means any species about which problems of status or distribution are suspected, but not documented, and for which no special protection is afforded under this rule.

“*Threatened species*” means any species which is likely to become an endangered species within the foreseeable future throughout all or a significant portion of its range.

**571—77.2(481B) Endangered, threatened, and special concern animals.** The natural resource commission, in consultation with scientists with specialized knowledge and experience, has determined the following animal species to be endangered, threatened or of special concern in Iowa:

**77.2(1) Endangered animal species:**

Mammals

Indiana Bat	Myotis sodalis
Plains Pocket Mouse	Perognathus flavescens
Red-backed Vole	Clethrionomys gapperi
Spotted Skunk	Spilogale putorius

Birds

Red-shouldered Hawk	Buteo lineatus
Northern Harrier	Circus cyaneus
Peregrine Falcon	Falco peregrinus
Piping Plover	Charadrius melodus
Common Barn Owl	Tyto alba
Least Tern	Sterna antillarum
Bald Eagle	Haliaeetus leucocephalus
King Rail	Rallus elegans
Short-eared Owl	Asio flammeus

Fish

Lake Sturgeon	Acipenser fulvescens
Pallid Sturgeon	Scaphirhynchus albus
Pugnose Shiner	Notropis anogenus
Weed Shiner	Notropis texanus
Pearl Dace	Semotilus margarita
Freckled Madtom	Noturus nocturnus
Bluntnose Darter	Etheostoma chlorosomum
Least Darter	Etheostoma microperca

### Reptiles

Yellow Mud Turtle	Kinosternon flavescens
Wood Turtle	Clemmys insculpta
Great Plains Skink	Eumeces obsoletus
Copperbelly Water Snake	Nerodia erythrogaster neglecta
Western Hognose Snake	Heterodon nasicus
Copperhead	Agkistrodon contortrix
Prairie Rattlesnake	Crotalus viridis
Massasauga Rattlesnake	Sistrurus catenatus

### Amphibians

Blue-spotted Salamander	Ambystoma laterale
Crawfish Frog	Rana areolata

### Butterflies

Dakota Skipper	Hesperia dacotae
Ringlet	Coenonympha tullia

### Land Snails

Iowa Pleistocene Snail	Discus macclintocki
Minnesota Pleistocene Ambersnail	Novisuccinea new species A
Iowa Pleistocene Ambersnail	Novisuccinea new species B
Frigid Ambersnail	Catinella gelida
Briarton Pleistocene Vertigo	Vertigo briarensis
Bluff Vertigo	Vertigo meramecensis
Iowa Pleistocene Vertigo	Vertigo new species

### Fresh Water Mussels

Spectacle Case	Cumberlandia monodonta
Slippershell	Alasmidonta viridis
Buckhorn	Tritogonia verrucosa
Ozark Pigtoe	Fusconaia ozarkensis
Bullhead	Plethobasus cyphyus
Ohio River Pigtoe	Pleurobema sintoxia
Slough Sandshell	Lampsilis teres teres
Yellow Sandshell	Lampsilis teres anodontoides
Higgin's-eye Pearly Mussel	Lampsilis higginsii

### 77.2(2) Threatened animal species:

#### Mammals

Least Shrew	Cryptotis parva
Southern Bog Lemming	Synaptomys cooperi

## Birds

Long-eared Owl	<i>Asio otus</i>
Henslow's Sparrow	<i>Ammodramus henslowii</i>

## Fish

Chestnut Lamprey	<i>Ichthyomyzon castaneus</i>
American Brook Lamprey	<i>Lampetra appendix</i>
Grass Pickerel	<i>Esox americanus</i>
Blacknose Shiner	<i>Notropis heterolepis</i>
Topeka Shiner	<i>Notropis topeka</i>
Western Sand Darter	<i>Ammocrypta clara</i>
Black Redhorse	<i>Moxostoma duquesnei</i>
Burbot	<i>Lota lota</i>
Orangethroat Darter	<i>Etheostoma spectabile</i>

## Reptiles

Slender Glass Lizard	<i>Ophisaurus attenuatus</i>
Common Musk Turtle	<i>Sternotherus odoratus</i>
Blanding's Turtle	<i>Emydoidea blandingii</i>
Ornate Box Turtle	<i>Terrapene ornata</i>
Diamondback Water Snake	<i>Nerodia rhombifera</i>
Western Worm Snake	<i>Carphophis amoenus vermis</i>
Speckled Kingsnake	<i>Lampropeltis getulus</i>

## Amphibians

Mudpuppy	<i>Necturus maculosus</i>
Central Newt	<i>Notophthalmus viridescens</i>

## Butterflies

Powesheik Skipperling	<i>Oarisma powesheik</i>
Byssus Skipper	<i>Problema byssus</i>
Mulberry Wing	<i>Poanes massasoit</i>
Silvery Blue	<i>Glaucopsyche lygdamus</i>
Baltimore	<i>Euphydryas phaeton</i>

## Snails

Midwest Pleistocene Vertigo	<i>Vertigo hubrichti</i>
Occult Vertigo	<i>Vertigo occulta</i>

## Fresh Water Mussels

Cylinder	<i>Anodontoides ferussacianus</i>
Strange Floater	<i>Strophitus undulatus</i>
Creek Heelsplitter	<i>Lasmigona compressa</i>

Purple Pimpleback	Cyclonaias tuberculata
Butterfly	Ellipsaria lineolata
Ellipse	Venustaconcha ellipsiformis

**77.2(3) Special concern animal species:****Mammals**

Southern Flying Squirrel	Glaucomys volans
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**Birds**

Forester's Tern	Sterna forsteri
Black Tern	Chlidonias niger

**Fish**

Pugnose Minnow	Notropis emiliae
Pirate Perch	Aphredoderus sayanus

**Reptiles**

Smooth Green Snake	Opheodrys vernalis
Bullsnake	Pituophis catenifer sayi

**Butterflies**

Dreamy Duskywing	Erynnis icelus
Sleepy Duskywing	Erynnis brizo
Columbine Duskywing	Erynnis lucilius
Wild Indigo Duskywing	Erynnis baptisiae
Ottoo Skipper	Hesperia ottoe
Leonardus Skipper	Hesperia l. leonardus
Pawnee Skipper	Hesperia leonardus pawnee
Beardgrass Skipper	Atrytone arogos
Zabulon Skipper	Poanes zabulon
Broad-winged Skipper	Poanes viator
Sedge Skipper	Euphyes dion
Two-spotted Skipper	Euphyes bimacula
Dusted Skipper	Atrytonopsis hianna
Salt-and-pepper Skipper	Amblyscirtes hegon
Pipevine Swallowtail	Battus philenor
Zebra Swallowtail	Eurytides marcellus
Olympia White	Euchloe olympia
Purplish Copper	Lycaena helloides
Acadian Hairstreak	Satyrium acadicum
Edward's Hairstreak	Satyrium edwardsii
Hickory Hairstreak	Satyrium caryaevorum
Striped Hairstreak	Satyrium liparops

Swamp Metalmark	Calephelis mutica
Regal Fritillary	Speyeria idalia
Baltimore	Euphydryas phaeton ozarkae

**571—77.3(481B) Endangered, threatened, and special concern plants.** The natural resource commission, in consultation with scientists with special knowledge and experience, determined the following plant species to be endangered, threatened, or of special concern in Iowa.

**77.3(1) Endangered plant species:**

COMMON NAME	SCIENTIFIC NAME
Pale false foxglove	Agalinus skinneriana
Blue giant-hyssop	Agastache foeniculum
Bearberry	Arctostaphylos uva-ursi
Black chokeberry	Aronia melanocarpa
Eared milkweed	Asclepias engelmanniana
Mead's milkweed	Asclepias meadii
Narrow-leaved milkweed	Asclepias stenophylla
Ricebutton aster	Aster dumosus
Large-leaved aster	Aster macrophyllus
Schreber's aster	Aster schreberi
Fern-leaved false foxglove	Aureolaria pedicularia
Matricary grape fern	Botrychium matricariifolium
Poppy mallow	Callirhoe triangulata
Cordroot sedge	Carex chordorrhiza
Large-bracted corydalis	Corydalis curvisiliqua
Silky prairie-clover	Dalea villosa
Swamp-loosestrife	Decodon verticillatus
Northern panic-grass	Dichanthelium boreale
Roundleaved sundew	Drosera rotundifolia
False mermaid	Floerkea proserpinacoides
Bog bedstraw	Galium labradoricum
Povertygrass	Hudsonia tomentosa
Northern St. Johnswort	Hypericum boreale
Pineweed	Hypericum gentianoides
Winterberry	Ilex verticillata
Black-based quillwort	Isoetes melanopoda
Water-willow	Justicia americana
Dwarf dandelion	Krigia virginica
Cleft conobea	Leucospora multifida
Whiskbroom parsley	Lomatium foeniculaceum
Running clubmoss	Lycopodium clavatum
Bog clubmoss	Lycopodium inundatum
Annual skeletonweed	Lygodesmia rostrata
Water marigold	Megalodonta beckii
Northern lungwort	Mertensia paniculata
Bigroot pricklypear	Opuntia macrorhiza

Clustered broomrape	Orobanche fasciculata
Ricegrass	Oryzopsis pungens
Cinnamon fern	Osmunda cinnamomea
Purple cliffbrake	Pellaea atropurpurea
Arrow arum	Peltandra virginica
Pale green orchid	Platanthera flava
Eastern prairie fringed orchid	Platanthera leucophaea
Clammyweed	Polansia jamesii
Crossleaf milkwort	Polygala cruciata
Purple milkwort	Polygala polygama
Jointweed	Polygonella articulata
Douglas' knotweed	Polygonum douglasii
Three-toothed cinquefoil	Potentilla tridentata
Canada plum	Prunus nigra
Frenchgrass	Psoralea onobrychis
Pink shinleaf	Pyrola asarifolia
Prickly rose	Rosa acicularis
Meadow spikemoss	Selaginella eclipes
Rough-leaved goldenrod	Solidago patula
Bog goldenrod	Solidago uliginosa
Yellow-lipped ladies-tresses	Spiranthes lucida
Pickering morning-glory	Stylisma pickeringii
Rough-seeded fameflower	Talinum rugospermum
Waxy meadowrue	Thalictrum revolutum
Long beechfern	Thelypteris phegopteris
Large-leaved violet	Viola incognita
Rusty woodsia	Woodsia ilvensis
Yellow-eyed grass	Xyris torta

**77.3(2) Threatened plant species:**

Northern wild monkshood	Aconitum noveboracense
Round-stemmed false foxglove	Agalinus gattingerii
Nodding wild onion	Allium cernuum
Fragrant false indigo	Amorpha nana
Virginia snakeroot	Aristolochia serpentaria
Woolly milkweed	Asclepias lanuginosa
Showy milkweed	Asclepias speciosa
Forked aster	Aster furcatus
Rush aster	Aster junciformis
Flax-leaved aster	Aster linariifolius
Water parsnip	Berula erecta
Kittentails	Besseyia bullii
Bog birch	Betula pumila
Pagoda plant	Blephilia ciliata
Leathery grapefern	Botrychium multifidum

Little grapefern	Botrychium simplex
Sweet Indian-plantain	Cacalia suaveolens
Poppy mallow	Callirhoe alcaeoides
Pipsissewa	Chimaphila umbellata
Golden saxifrage	Chrysosplenium iowense
Dayflower	Commelina erecta
Spotted coralroot	Corallorhiza maculata
Bunchberry	Cornus canadensis
Golden corydalis	Corydalis aurea
Pink corydalis	Corydalis sempervirens
Showy lady's-slipper	Cypripedium reginae
Slim-leaved panic-grass	Dichanthelium linearifolium
Jeweled shooting star	Dodecatheon amethystinum
Glandular wood fern	Dryopteris intermedia
Marginal shield fern	Dryopteris marginalis
Woodland horsetail	Equisetum sylvaticum
Slender cottongrass	Eriophorum gracile
Yellow trout lily	Erythronium americanum
Queen of the prairie	Filipendula rubra
Blue ash	Fraxinus quadrangulata
Black huckleberry	Gaylussacia baccata
Oak fern	Gymnocarpium dryopteris
Green violet	Hybanthus concolor
Twinleaf	Jeffersonia diphylla
Creeping juniper	Juniperus horizontalis
Intermediate pinweed	Lechea intermedia
Hairy pinweed	Lechea villosa
Prairie bush clover	Lespedeza leptostachya
Twinflower	Linnaea borealis
Western parsley	Lomatium orientale
Wild lupine	Lupinus perennis
Tree clubmoss	Lycopodium dendroideum
Rock clubmoss	Lycopodium porophyllum
Hairy waterclover	Marsilea vestita
Bog buckbean	Menyanthes trifoliata
Winged monkeyflower	Mimulus alatus
Yellow monkeyflower	Mimulus glabratus
Partridge berry	Mitchella repens
Pinesap	Monotropa hypopithys
Small sundrops	Oenothera perennis
Little pricklypear	Opuntia fragilis
Royal fern	Osmunda regalis
Philadelphia panic-grass	Panicum philadelphicum
Slender beardtongue	Penstemon gracilis
Hooker's orchid	Platanthera hookeri

Northern bog orchid	Platanthera hyperborea
Western prairie fringed orchid	Platanthera praeclara
Purple fringed orchid	Platanthera psycodes
Pink milkwort	Polygala incarnata
Silverweed	Potentilla anserina
Shrubby cinquefoil	Potentilla fruticosa
Pennsylvania cinquefoil	Potentilla pensylvanica
One-sided shinleaf	Pyrola secunda
Meadow beauty	Rhexia virginica
Beaked rush	Rhynchospora capillacea
Northern currant	Ribes hudsonianum
Shining willow	Salix lucida
Bog willow	Salix pedicellaris
Low nutrush	Scleria verticillata
Buffaloberry	Sheperdia argentea
Scarlet globemallow	Sphaeralcea coccinea
Slender ladies-tresses	Spiranthes lacera
Oval ladies-tresses	Spiranthes ovalis
Hooded ladies-tresses	Spiranthes romanzoffiana
Spring ladies-tresses	Spiranthes vernalis
Rosy twisted-stalk	Streptopus roseus
Fameflower	Talinum parviflorum
Large arrowgrass	Triglochin maritimum
Small arrowgrass	Triglochin palustre
Low sweet blueberry	Vaccinium angustifolium
Velvetleaf blueberry	Vaccinium myrtilloides
False hellebore	Veratrum woodii
Kidney-leaved violet	Viola renifolia
Oregon woodsia	Woodsia oregana

**77.3(3) *Special concern plant species:***

Balsam fir	Abies balsamea
Three-seeded mercury	Acalypha gracilens
Three-seeded mercury	Acalypha ostryifolia
Mountain maple	Acer spicatum
Moschatel	Adoxa moschatellina
Water plantain	Alisma gramineum
Wild onion	Allium mutabile
Amaranth	Amaranthus arenicola
Lanceleaf ragweed	Ambrosia bidentata
Saskatoon serviceberry	Amelanchier alnifolia
Low serviceberry	Amelanchier sanguinea
Raccoon grape	Ampelopsis cordata
Pearly everlasting	Anaphalis margaritacea
Sand bluestem	Andropogon hallii



Broomsedge	<i>Andropogon virginicus</i>
Purple angelica	<i>Angelica atropurpurea</i>
Purple rockcress	<i>Arabis divaricarpa</i>
Green rockcress	<i>Arabis missouriensis</i>
Lakecress	<i>Armoracia lacustris</i>
Fringed sagewort	<i>Artemisia frigida</i>
Common mugwort	<i>Artemisia vulgaris</i>
Pawpaw	<i>Asimina triloba</i>
Curved aster	<i>Aster falcatus</i>
Hairy aster	<i>Aster pubentior</i>
Prairie aster	<i>Aster turbinellus</i>
Standing milkvetch	<i>Astragalus adsurgens</i>
Bent milkvetch	<i>Astragalus distortus</i>
Missouri milkvetch	<i>Astragalus missouriensis</i>
Blue wild indigo	<i>Baptisia australis</i>
Yellow wild indigo	<i>Baptisia tinctoria</i>
Prairie moonwort	<i>Botrychium campestre</i>
Watershield	<i>Brasenia schreberi</i>
Buffalograss	<i>Buchloe dactyloides</i>
Poppy mallow	<i>Callirhoe papaver</i>
Water-starwort	<i>Callitriche heterophylla</i>
Grass pink	<i>Calopogon tuberosus</i>
Low bindweed	<i>Calystegia spithamea</i>
Clustered sedge	<i>Carex aggregata</i>
Back's sedge	<i>Carex backii</i>
Bush's sedge	<i>Carex bushii</i>
Carey's sedge	<i>Carex careyana</i>
Flowerhead sedge	<i>Carex cephalantha</i>
Field sedge	<i>Carex conoidea</i>
Crawe's sedge	<i>Carex crawei</i>
Fringed sedge	<i>Carex crinita</i>
Double sedge	<i>Carex diandra</i>
Douglas' sedge	<i>Carex douglasii</i>
Dry sedge	<i>Carex foena</i>
Thin sedge	<i>Carex gracilescens</i>
Delicate sedge	<i>Carex leptalea</i>
Mud sedge	<i>Carex limosa</i>
Hoplike sedge	<i>Carex lupuliformis</i>
Yellow sedge	<i>Carex lurida</i>
Intermediate sedge	<i>Carex media</i>
Backward sedge	<i>Carex retroflexa</i>
Richardson's sedge	<i>Carex richardsonii</i>
Rocky Mountain sedge	<i>Carex saximontana</i>
Sterile sedge	<i>Carex sterilis</i>
Soft sedge	<i>Carex tenera</i>

Deep green sedge	<i>Carex tonsa</i>
Tuckerman's sedge	<i>Carex tuckermanii</i>
Umbrella sedge	<i>Carex umbellata</i>
Wild oats	<i>Chasmanthium latifolium</i>
Pink turtlehead	<i>Chelone obliqua</i>
Fogg's goosefoot	<i>Chenopodium foggii</i>
Missouri goosefoot	<i>Chenopodium missouriensis</i>
Coast blite	<i>Chenopodium rubrum</i>
Bugbane	<i>Cimicifuga racemosa</i>
Hill's thistle	<i>Cirsium hillii</i>
Swamp thistle	<i>Cirsium muticum</i>
Wavy-leaved thistle	<i>Cirsium undulatum</i>
Western clematis	<i>Clematis occidentalis</i>
Blue-eyed Mary	<i>Collinsia verna</i>
Cancer-root	<i>Conopholis americana</i>
Fireberry hawthorn	<i>Crataegus chrysocarpa</i>
Red hawthorn	<i>Crataegus coccinea</i>
Two-fruited hawthorn	<i>Crataegus disperma</i>
Hawthorn	<i>Crataegus pruinosa</i>
Hawksbeard	<i>Crepis runcinata</i>
Prairie tea	<i>Croton monanthogynus</i>
Crotonopsis	<i>Crotonopsis elliptica</i>
Waxweed	<i>Cuphea viscosissima</i>
Dodder	<i>Cuscuta indecora</i>
Small white lady's-slipper	<i>Cypripedium candidum</i>
Carolina larkspur	<i>Delphinium carolinianum</i>
Sessile-leaved tick trefoil	<i>Desmodium sessilifolium</i>
Fingergrass	<i>Digitaria filiformis</i>
Buttonweed	<i>Diodia teres</i>
Purple coneflower	<i>Echinacea purpurea</i>
Waterwort	<i>Elatine triandra</i>
Purple spikerush	<i>Eleocharis atropurpurea</i>
Green spikerush	<i>Eleocharis olivacea</i>
Oval spikerush	<i>Eleocharis ovata</i>
Dwarf spikerush	<i>Eleocharis parvula</i>
Few-flowered spikerush	<i>Eleocharis pauciflora</i>
Wolf's spikerush	<i>Eleocharis wolfii</i>
Interrupted wildrye	<i>Elymus interruptus</i>
Dwarf scouring rush	<i>Equisetum scirpoides</i>
Ponygrass	<i>Eragrostis reptans</i>
Tall cottongrass	<i>Eriophorum angustifolium</i>
Tawny cottongrass	<i>Eriophorum virginicum</i>
Upland boneset	<i>Eupatorium sessilifolium</i>
Spurge	<i>Euphorbia commutata</i>
Missouri spurge	<i>Euphorbia missurica</i>

Slender fimbriatylis	Fimbriatylis autumnalis
Umbrella grass	Fuirena simplex
Rough bedstraw	Galium asprellum
Small fringed gentian	Gentianopsis procera
Northern cranesbill	Geranium bicknellii
Spring avens	Geum vernum
Early cudweed	Gnaphalium purpureum
Limestone oak fern	Gymnocarpium robertianum
Bitterweed	Helenium amarum
Mud plantain	Heteranthera limosa
Water stargrass	Heteranthera reniformis
Hairy goldenaster	Heterotheca villosa
Common mare's-tail	Hippuris vulgaris
Canadian St. Johnswort	Hypericum canadense
Drummond St. Johnswort	Hypericum drummondii
White morning glory	Ipomoea lacunosa
Sumpweed	Iva annua
Alpine rush	Juncus alpinus
Toad rush	Juncus bufonius
Soft rush	Juncus effusus
Green rush	Juncus greenii
Edged rush	Juncus marginatus
Vasey's rush	Juncus vaseyi
Potato dandelion	Krigia dandelion
Pinweed	Lechea racemulosa
Duckweed	Lemna perpusilla
Creeping bush clover	Lespedeza repens
Silvery bladder-pod	Lesquerella ludoviciana
Wild flax	Linum medium
Brook lobelia	Lobelia kalmii
False loosestrife	Ludwigia peploides
Crowfoot clubmoss	Lycopodium digitatum
Adder's-mouth orchid	Malaxis unifolia
Globe mallow	Malvastrum hispidum
Two-flowered melic-grass	Melica mutica
Ten-petaled blazingstar	Mentzelia decapetala
Millet grass	Milium effusum
Rock sandwort	Minuartia michauxii
Naked mitrewort	Mitella nuda
Scratchgrass	Muhlenbergia asperifolia
Water milfoil	Myriophyllum heterophyllum
Rough water milfoil	Myriophyllum pinnatum
Water milfoil	Myriophyllum verticillatum
Glade mallow	Napaea dioica
Showy evening primrose	Oenothera speciosa

Northern adders-tongue fern	<i>Ophioglossum vulgatum</i>
Louisiana broomrape	<i>Orobanche ludoviciana</i>
Mountain ricegrass	<i>Oryzopsis asperifolia</i>
Gattinger's panic-grass	<i>Panicum gattingeri</i>
White beardtongue	<i>Penstemon albidus</i>
Cobaea penstemon	<i>Penstemon cobaea</i>
Tube penstemon	<i>Penstemon tubiflorus</i>
Cleft phlox	<i>Phlox bifida</i>
Annual ground cherry	<i>Physalis pubescens</i>
Heart-leaved plantain	<i>Plantago cordata</i>
Wood orchid	<i>Platanthera clavellata</i>
Green fringed orchid	<i>Platanthera lacera</i>
Plains bluegrass	<i>Poa arida</i>
Chapman's bluegrass	<i>Poa chapmaniana</i>
Weak bluegrass	<i>Poa languida</i>
Bog bluegrass	<i>Poa paludigena</i>
Meadow bluegrass	<i>Poa wolfii</i>
Hairy Solomon's-seal	<i>Polygonatum pubescens</i>
Large-leaved pondweed	<i>Potamogeton amplifolius</i>
Ribbonleaf pondweed	<i>Potamogeton epihydrus</i>
White-stemmed pondweed	<i>Potamogeton praelongus</i>
Spiralled pondweed	<i>Potamogeton spirillus</i>
Tussock pondweed	<i>Potamogeton strictifolius</i>
Vasey's pondweed	<i>Potamogeton vaseyi</i>
Bird's-eye primrose	<i>Primula mistassinica</i>
Prionopsis	<i>Prionopsis ciliata</i>
Mermaid weed	<i>Proserpinaca palustris</i>
Dwarf cherry	<i>Prunus besseyi</i>
Hortulan plum	<i>Prunus hortulana</i>
Sand cherry	<i>Prunus pumila</i>
Lemon scurfpea	<i>Psoralea lanceolata</i>
Crowfoot	<i>Ranunculus circinatus</i>
Gmelin's crowfoot	<i>Ranunculus gmelinii</i>
Buckthorn	<i>Rhamnus alnifolia</i>
Dwarf sumac	<i>Rhus copallina</i>
Northern gooseberry	<i>Ribes hirtellum</i>
Yellow cress	<i>Rorippa sinuata</i>
Swamp rose	<i>Rosa palustris</i>
Tooth-cup	<i>Rotala ramosior</i>
Dewberry	<i>Rubus hispidus</i>
Western dock	<i>Rumex occidentalis</i>
Widgeon grass	<i>Ruppia maritima</i>
Prairie rose gentian	<i>Sabatia campestris</i>
Sage willow	<i>Salix candida</i>
Sassafras	<i>Sassafras albidum</i>

Tumblegrass	<i>Schedonnardus paniculatus</i>
Scheuchzeria	<i>Scheuchzeria palustris</i>
Sensitive briar	<i>Schrankia nuttallii</i>
Hall's bulrush	<i>Scirpus hallii</i>
Prairie bulrush	<i>Scirpus maritimus</i>
Pedicelled bulrush	<i>Scirpus pedicellatus</i>
Smith's bulrush	<i>Scirpus smithii</i>
Torrey's bulrush	<i>Scirpus torreyi</i>
Veiny skullcap	<i>Scutellaria nervosa</i>
Wild stonecrop	<i>Sedum ternatum</i>
Rock spikemoss	<i>Selaginella rupestris</i>
Butterweed	<i>Senecio glabellus</i>
False golden ragwort	<i>Senecio pseud aureus</i>
Knotweed bristlegrass	<i>Setaria geniculata</i>
Virginia rockcress	<i>Sibara virginica</i>
Prairie dock	<i>Silphium terebinthinaceum</i>
Burreed	<i>Sparganium androcladum</i>
Great plains ladies-tresses	<i>Spiranthes magnicamporum</i>
Clandestine dropseed	<i>Sporobolus clandestinus</i>
Rough hedge-nettle	<i>Stachys aspera</i>
Needle-and-thread	<i>Stipa comata</i>
White coralberry	<i>Symphoricarpos albus</i>
Eared false foxglove	<i>Tomanthera auriculata</i>
Spiderwort	<i>Tradescantia virginiana</i>
Humped bladderwort	<i>Utricularia gibba</i>
Flat-leaved bladderwort	<i>Utricularia intermedia</i>
Small bladderwort	<i>Utricularia minor</i>
Valerian	<i>Valeriana edulis</i>
American brookline	<i>Veronica americana</i>
Marsh speedwell	<i>Veronica scutellata</i>
Maple-leaved arrowwood	<i>Viburnum acerifolium</i>
Black arrowwood	<i>Viburnum molle</i>
Black haw	<i>Viburnum prunifolium</i>
Spurred violet	<i>Viola adunca</i>
Lance-leaved violet	<i>Viola lanceolata</i>
Macloskey's violet	<i>Viola macloskeyi</i>
Pale violet	<i>Viola striata</i>
Summer grape	<i>Vitis aestivalis</i>
Frost grape	<i>Vitis vulpina</i>

**571—77.4(481B) Exemptions.** Notwithstanding the foregoing list and the prohibitions in Iowa Code chapter 481B, a person may import, export, possess, transport, purchase, barter, buy, sell, offer to sell, hold for processing or process a species of animal or plant which is listed as endangered or threatened on the state list or as listed in the Code of Federal Regulations, Title 50, part 17, as amended to December 30, 1991, according to the following rules:

**77.4(1)** Trophies lawfully taken by persons licensed to hunt or fish (not including trapping or commercial harvest licenses) in another state, country or territory may be brought into this state and possessed, held for processing and processed but may not be sold or offered for sale.

**77.4(2)** Furs or skins of wildlife species appearing on the state list of endangered and threatened species which were lawfully taken or purchased in another state, country or territory may be imported, exported, purchased, possessed, bartered, offered for sale, sold, held for processing, or processed in this state if they are tagged or permanently marked by the state, country, or territory of origin.

**77.4(3)** Species of live animals appearing on the state list of endangered and threatened species may be imported, exported, possessed, purchased, bartered, offered for sale, or sold under the terms of a scientific collecting permit or educational project permit issued pursuant to Iowa Code section 481A.6 and administrative rules adopted by the department.

**77.4(4)** Plants, seeds, roots, and other parts of plants which appear on the state list of endangered and threatened plants which were lawfully taken or purchased in another state, country or territory may be imported, exported, purchased, possessed, offered for sale or sold in this state.

**77.4(5)** A part or product of a species of fish or wildlife appearing on the state list of endangered or threatened species which enters the state from another state or from a point outside the territorial limits of the United States may enter, be transported, exported, possessed, sold, offered for sale, held for processing or processed in accordance with the terms of a permit issued by the agency of jurisdiction in the state of origin or, if entering from outside the United States, a federal permit issued by the United States government. If proper documentation is available, a person may buy or offer to buy a part or product of a species of fish or wildlife appearing on the state or federal lists as long as it is imported from a legal source outside this state and proper documentation is provided.

**77.4(6)** If a person possesses a species of fish or wildlife or a part, product or offspring of such a species, proper documentation such as receipt of purchase and the permit from the state of origin or the U.S. government must be presented upon request of any conservation officer. Failure to produce such documentation is a violation of this chapter and will constitute grounds for forfeiture to the Iowa DNR.

**77.4(7)** A species of plant, fish or wildlife appearing on the state list of endangered and threatened species may be collected, held, salvaged and possessed under the terms of a scientific collecting permit issued pursuant to Iowa Code section 481A.6 and administrative rules adopted by the department.

**77.4(8)** Drainage district repairs and improvements to existing open ditch facilities are excluded from the department's protection efforts for the Topeka shiner. This includes facilities of levee and drainage districts established and maintained under Iowa Code chapter 468. This exclusion does not apply to new channelization, deepening, or leveeing of existing streams and rivers with permanent flow or existing streams with off-channel water areas capable of supporting fish.

**77.4(9)** The department may enter into an agreement with a private landowner for habitat improvements that benefit endangered and threatened species while limiting the potential impacts to the landowner arising when a covered species becomes more numerous due to the voluntary improvements to the habitat. If any covered species becomes more numerous as a result of the landowner's voluntary actions, a private landowner who commits to implement voluntary conservation measures for a listed species will not be required to implement additional measures, and additional land, water, or resource use restrictions will not be imposed.

*a.* The department will provide participating landowners with technical assistance to develop landowner incentive program agreements. Each agreement shall include the following:

1. Landowner's name.
2. Legal description of the property covered by the agreement.
3. Length of agreement period.
4. Species covered by the agreement.
5. Baseline conditions: the estimated number of listed species and the size and condition of habitat for each species covered.
6. Conservation measures to be implemented and implementation schedule.
7. Financial commitment of the department and the landowner.
8. Measures to determine if the agreement has been fulfilled.

9. Any property use restrictions.
10. Terms for the termination of the agreement prior to its scheduled expiration.
  - b. The landowner, through normal lawful activities, may return the property to the baseline or a mutually agreed-upon condition above the baseline at any time after expiration of the landowner incentive program agreement.

This rule is intended to implement Iowa Code chapter 481B.

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