

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

Chapter rescission date pursuant to Iowa Code section 17A.7: 1/1/28

**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:**

	<b>Mammals</b>
Indiana Bat	Myotis sodalis
Plains Pocket Mouse	Perognathus flavescens
Red-backed Vole	Clethrionomys gapperi
Spotted Skunk	Spilogale putorius
	<b>Birds</b>
Red-shouldered Hawk	Buteo lineatus
Northern Harrier	Circus cyaneus
Piping Plover	Charadrius melodus
Common Barn Owl	Tyto alba
Least Tern	Sterna antillarum
King Rail	Rallus elegans
Short-eared Owl	Asio flammeus
	<b>Fish</b>
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
	<b>Reptiles</b>
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
	<b>Amphibians</b>
Blue-spotted Salamander	Ambystoma laterale

Crawfish Frog

Rana areolata

Dakota Skipper

**Butterflies**

Hesperia dacotae

Ringlet

Coenonympha tullia

Iowa Pleistocene Snail

**Land Snails**

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

Spectacle Case

**Fresh Water Mussels**

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 higginsi

**77.2(2) Threatened animal species:**

Least Shrew

**Mammals**

Cryptotis parva

Southern Bog Lemming

Synaptomys cooperi

Long-eared Owl

**Birds**

Asio otus

Henslow's Sparrow

Ammodramus henslowii

Chestnut Lamprey

**Fish**

Ichthyomyzon castaneus

American Brook Lamprey

Lampetra appendix

Grass Pickerel

Esox americanus

Blacknose Shiner

Notropis heterolepis

Topeka Shiner

Notropis topeka

Western Sand Darter

Ammocrypta clara

Black Redhorse

Moxostoma duquesnei

Burbot

Lota lota

Orangethroat Darter

Etheostoma spectabile

Slender Glass Lizard

**Reptiles**

Ophisaurus attenuatus

Common Musk Turtle

Sternotherus odoratus

Blanding's Turtle

Emydoidea blandingii

Ornate Box Turtle

Terrapene ornata

Diamondback Water Snake

Nerodia rhombifera

Western Worm Snake

Carphophis amoenus vermis

Speckled Kingsnake

Lampropeltis getulus

Mudpuppy

**Amphibians**

Necturus maculosus

Central Newt

Notophthalmus viridescens

Powesheik Skipperling  
 Byssus Skipper  
 Mulberry Wing  
 Silvery Blue  
 Baltimore

**Butterflies**

Oarisma powesheik  
 Problema byssus  
 Poanes massasoit  
 Glaucopsyche lygdamus  
 Euphydryas phaeton

Midwest Pleistocene Vertigo  
 Occult Vertigo

**Snails**

Vertigo hubrichti  
 Vertigo occulta

Cylinder  
 Strange Floater  
 Creek Heelsplitter  
 Purple Pimpleback  
 Butterfly  
 Ellipse

**Fresh Water Mussels**

Anodontoides ferussacianus  
 Strophitus undulatus  
 Lasmigona compressa  
 Cyclonaias tuberculata  
 Ellipsaria lineolata  
 Venustaconcha ellipsiformis

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

Southern Flying Squirrel

**Mammals**

Glaucomys volans

Forster's Tern  
 Black Tern  
 Peregrine Falcon  
 Bald Eagle

**Birds**

Sterna forsteri  
 Chlidonias niger  
 Falco peregrinus  
 Haliaeetus leucocephalus

Pugnose Minnow  
 Pirate Perch

**Fish**

Notropis emiliae  
 Aphredoderus sayanus

Smooth Green Snake  
 Bullsnake

**Reptiles**

Opheodrys vernalis  
 Pituophis catenifer sayi

Dreamy Duskywing  
 Sleepy Duskywing  
 Columbine Duskywing  
 Wild Indigo Duskywing  
 Ottoe Skipper  
 Leonardus Skipper  
 Pawnee Skipper  
 Beardgrass Skipper  
 Zabulon Skipper  
 Broad-winged Skipper  
 Sedge Skipper  
 Two-spotted Skipper  
 Dusted Skipper  
 Salt-and-pepper Skipper  
 Pipevine Swallowtail  
 Zebra Swallowtail  
 Olympia White

**Butterflies**

Erynnis icelus  
 Erynnis brizo  
 Erynnis lucilius  
 Erynnis baptisiae  
 Hesperia ottoe  
 Hesperia l. leonardus  
 Hesperia leonardus pawnee  
 Atrytone arogos  
 Poanes zabulon  
 Poanes viator  
 Euphyes dion  
 Euphyes bimacula  
 Atrytonopsis hianna  
 Amblyscirtes hegon  
 Battus philenor  
 Eurytides marcellus  
 Euchloe olympia

Purplish Copper	Lycaena helloides
Acadian Hairstreak	Satyrrium acadicum
Edward's Hairstreak	Satyrrium edwardsii
Hickory Hairstreak	Satyrrium caryaevorum
Striped Hairstreak	Satyrrium liparops
Swamp Metalmark	Calephelis mutica
Regal Fritillary	Speyeria idalia
Baltimore	Euphydryas phaeton ozarkae

[ARC 8105B, IAB 9/9/09, effective 10/14/09]

**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	Shepherdia 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	Andropogon virginicus
Purple angelica	Angelica atropurpurea
Purple rockcress	Arabis divaricarpa
Green rockcress	Arabis missouriensis
Lakecress	Armoracia lacustris
Fringed sagewort	Artemisia frigida
Common mugwort	Artemisia vulgaris
Pawpaw	Asimina triloba
Curved aster	Aster falcatus
Hairy aster	Aster pubentior
Prairie aster	Aster turbinellus
Standing milkvetch	Astragalus adsurgens
Bent milkvetch	Astragalus distortus
Missouri milkvetch	Astragalus missouriensis
Blue wild indigo	Baptisia australis
Yellow wild indigo	Baptisia tinctoria
Prairie moonwort	Botrychium campestre
Watershield	Brasenia schreberi
Buffalograss	Buchloe dactyloides
Poppy mallow	Callirhoe papaver
Water-starwort	Callitriche heterophylla
Grass pink	Calopogon tuberosus
Low bindweed	Calystegia spithamea
Clustered sedge	Carex aggregata
Back's sedge	Carex backii
Bush's sedge	Carex bushii
Carey's sedge	Carex careyana
Flowerhead sedge	Carex cephalantha
Field sedge	Carex conoidea

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 chrysoarpa</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	<i>Fimbristylis autumnalis</i>
Umbrella grass	<i>Fuirena simplex</i>
Rough bedstraw	<i>Galium asprellum</i>
Small fringed gentian	<i>Gentianopsis procera</i>
Northern cranesbill	<i>Geranium bicknellii</i>
Spring avens	<i>Geum vernum</i>
Early cudweed	<i>Gnaphalium purpureum</i>
Limestone oak fern	<i>Gymnocarpium robertianum</i>
Bitterweed	<i>Helenium amarum</i>
Mud plantain	<i>Heteranthera limosa</i>
Water stargrass	<i>Heteranthera reniformis</i>
Hairy goldenaster	<i>Heterotheca villosa</i>
Common mare's-tail	<i>Hippuris vulgaris</i>
Canadian St. Johnswort	<i>Hypericum canadense</i>
Drummond St. Johnswort	<i>Hypericum drummondii</i>
White morning glory	<i>Ipomoea lacunosa</i>
Sumpweed	<i>Iva annua</i>
Alpine rush	<i>Juncus alpinus</i>
Toad rush	<i>Juncus bufonius</i>
Soft rush	<i>Juncus effusus</i>
Green rush	<i>Juncus greenii</i>
Edged rush	<i>Juncus marginatus</i>
Vasey's rush	<i>Juncus vaseyi</i>
Potato dandelion	<i>Krigia dandelion</i>
Pinweed	<i>Lechea racemulosa</i>
Duckweed	<i>Lemna perpusilla</i>
Creeping bush clover	<i>Lespedeza repens</i>
Silvery bladder-pod	<i>Lesquerella ludoviciana</i>
Wild flax	<i>Linum medium</i>
Brook lobelia	<i>Lobelia kalmii</i>
False loosestrife	<i>Ludwigia peploides</i>
Crowfoot clubmoss	<i>Lycopodium digitatum</i>
Adder's-mouth orchid	<i>Malaxis unifolia</i>
Globe mallow	<i>Malvastrum hispidum</i>
Two-flowered melic-grass	<i>Melica mutica</i>
Ten-petaled blazingstar	<i>Mentzelia decapetala</i>
Millet grass	<i>Milium effusum</i>
Rock sandwort	<i>Minuartia michauxii</i>
Naked mitrewort	<i>Mitella nuda</i>
Scratchgrass	<i>Muhlenbergia asperifolia</i>
Water milfoil	<i>Myriophyllum heterophyllum</i>
Rough water milfoil	<i>Myriophyllum pinnatum</i>
Water milfoil	<i>Myriophyllum verticillatum</i>
Glade mallow	<i>Napaea dioica</i>
Showy evening primrose	<i>Oenothera speciosa</i>
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	Senecio glabellus
False golden ragwort	Senecio pseudoaureus
Knotweed bristlegrass	Setaria geniculata
Virginia rockcress	Sibara virginica
Prairie dock	Silphium terebinthinaceum
Burreed	Sparganium androcladum
Great plains ladies-tresses	Spiranthes magnicamporum
Clandestine dropseed	Sporobolus clandestinus
Rough hedge-nettle	Stachys aspera
Needle-and-thread	Stipa comata
White coralberry	Symphoricarpos albus
Eared false foxglove	Tomanthera auriculata
Spiderwort	Tradescantia virginiana
Humped bladderwort	Utricularia gibba
Flat-leaved bladderwort	Utricularia intermedia
Small bladderwort	Utricularia minor
Valerian	Valeriana edulis
American brookline	Veronica americana
Marsh speedwell	Veronica scutellata
Maple-leaved arrowwood	Viburnum acerifolium
Black arrowwood	Viburnum molle
Black haw	Viburnum prunifolium
Spurred violet	Viola adunca
Lance-leaved violet	Viola lanceolata
Macloskey's violet	Viola macloskeyi
Pale violet	Viola striata
Summer grape	Vitis aestivalis
Frost grape	Vitis vulpina

**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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