

Secretary of the State File Number
6192

Regulation of the
Department of Energy and Environmental Protection
Concerning
Endangered, Threatened, and Species of Special Concern

Regulations adopted after July 1, 2013, become effective
upon posting to the website of the Secretary of the State,
or at a later date specified within the regulation.

Website posted on:
August 7, 2015

EFFECTIVE DATE:
August 7, 2015

Approved by the Attorney General on
May 29, 2015

Approved by the Legislative Regulation Review
Committee on
July 28, 2015

Received and filed in the Office of the
Secretary of the State on
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Secretary of the State on
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I, **Robert Klee, Commissioner** of the **Department of Energy and Environmental Protection**, in accordance with the provisions of Section 4-172 of the *General Statutes of the State of Connecticut*, **do hereby certify:**

That the electronic copy of a regulation concerning **Endangered, Threatened, and Species of Special Concern**, which was approved with approved with technical corrections by the Legislative Regulation Review Committee on **July 28, 2015**, and which shall be submitted electronically for filing to the Secretary of the State by **Richard A. Jacobson** of this agency on **August 3, 2015**, is a true and accurate copy of the original regulation approved in accordance with Sections 4-169 and 4-170 of the *General Statutes of the State of Connecticut*.

In testimony whereof, I have hereunto set my hand on **August 3, 2015**.

Susan Whalen for Robert Klee
(Signature of agency head)

IMPORTANT: Use this form (REGS-1) to submit permanent regulations to the Legislative Regulation Review Committee.
For emergency regulations, use form REGS-1-E instead.
For non-substantive technical amendments and repeals proposed without prior notice or hearing as permitted by subsection (g) of CGS 4-168 use form REGS-1-T instead.

Please read the additional instructions on the back of the last page (Certification Page) before completing this form. Failure to comply with the instructions may cause disapproval of proposed regulations.

State of Connecticut
REGULATION
of the

NAME OF AGENCY:

DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION

Concerning

SUBJECT MATTER OF REGULATION:

Endangered, Threatened, and Species of Special Concern

Section 1. Section 26-306-4 of the Regulations of State Agencies is amended to read as follows:

Sec. 26-306-4. List of endangered species

(a) The following mammal species are determined to be endangered:

Cryptotis parva	Least shrew
<u>Myotis leibii</u>	<u>Eastern small-footed bat</u>
<u>Myotis lucifugus</u>	<u>Little brown bat</u>
<u>Myotis septentrionalis</u>	<u>Northern long-eared bat</u>
Myotis sodalis	Indiana bat
<u>Perimyotis subflavus</u>	<u>Tri-colored bat</u>

(b) The following bird species are determined to be endangered:

Accipiter striatus	Sharp-shinned hawk
Ammodramus savannarum	Grasshopper sparrow
Asio otus	Long-eared owl
Bartramia longicauda	Upland sandpiper
Botaurus lentiginosus	American bittern
Chordeiles minor	Common nighthawk
Circus cyaneus	Northern harrier
Cistothorus platensis	Sedge wren
Eremophila alpestris	Horned lark
Gallinula chloropus	Common moorhen
Icteria virens	Yellow-breasted chat

[*Laterallus jamaicensis*]

Melanerpes erythrocephalus

Podilymbus podiceps

Poocetes gramineus

Rallus elegans

Sterna dougallii

Tyto alba

Vermivora chrysoptera

[Black rail]

[(nesting population only)]

Red-headed woodpecker

Pied-billed grebe

Vesper sparrow

King rail

(nesting population only)

Roseate tern

Barn owl

Golden-winged warbler

(c) The following reptile species are determined to be endangered:

Crotalus horridus

Timber rattlesnake

Dermochelys coriacea

Leatherback

Glyptemys muhlenbergii

Bog turtle

Lepidochelys kempii

Atlantic ridley

(d) The following amphibian species are determined to be endangered:

Ambystoma laterale

Blue-spotted salamander

(diploid populations)

Scaphiopus holbrookii

Eastern spadefoot

(e) The following fish species are determined to be endangered:

Acipenser brevirostrum

Shortnose sturgeon

Acipenser oxyrinchus oxyrinchus

Atlantic sturgeon

[*Lampetra*] *Lethenteron* appendix

American brook lamprey

Lota lota

Burbot

Osmerus mordax

Rainbow smelt

(anadromous populations only)

(f) The following invertebrate species are determined to be endangered:

Alasmodonta heterodon

Dwarf [wedge mussel] wedgemussel

Alasmodonta varicosa

Brook floater

Amblyscirtes vialis

Common roadside skipper

Anarta luteola

Noctuid moth

Apodrepanulatrix liberaria

New Jersey tea inchworm

Calephelis borealis

Northern metalmark

Callophrys hesseli

Hessel's hairstreak

Catocala herodias gerhardi

Herodias underwing

Celastrina neglecta major

Appalachian blue

Chytonix sensilis

Barrens Chytonix

Cicindela lepida

Dune ghost tiger beetle

Cicindela puritana

Puritan tiger beetle

Epeoloides pilosula

Macropis cuckoo

Erynnis lucilius

Columbine duskywing

Erynnis persius persius

Persius duskywing

Eubaphe meridiana
 Eubbranchipus holmanii
Euphyes bimacula
 Grammia phyllira
 Grammia speciosa
Haematopota rara
 Hemileuca maia maia
 Hybomitra longiglossa
 Lampsilis cariosa
Magiccicada septendecula
 [Metarranthis apiciaria]
 [Papaipema appassionata]
Papaipema leucostigma
Papaipema marginidens
 Phyllonorycter ledella
Schinia gracilenta
Speyeria atlantis
Tibicen auletes
 Williamsonia lintneri

Zale curema

Little beggar
 Fairy shrimp
Two-spotted skipper
 Phyllira tiger moth
 Bog tiger moth
Lace-winged horse fly
 [Buck] Barrens buck moth
 Horse fly
 Yellow [lamp mussel] lampmussel
Little 17-year periodical cicada
 [Barrens metarranthis moth]
 [Pitcher plant borer]
Columbine borer
Brick-red borer moth
 Labrador tea tentiform leafminer
Slender flower moth
Atlantis fritillary butterfly
Northern dusk-singing cicada
 [Banded bog skimmer] Ringed
boghaunter
Black-eyed zale

(g) The following plant species are determined to be endangered:

Abies balsamea

Balsam fir

(native populations only)

Agalinis acuta

Sandplain [gerardia] agalinis

Agastache nepetoides

Yellow giant hyssop

Agastache scrophulariifolia

Purple giant hyssop

Ageratina aromatica

Small white snakeroot

Angelica lucida

Sea-coast angelica

Arceuthobium pusillum

Dwarf mistletoe

Aristida purpurascens

Arrowfeather

Aristida tuberculosa

Beach needle grass

Asclepias viridiflora

Green milkweed

Bidens eatonii

Eaton's beggarticks

Bouteloua curtipendula

[Side-oats]Sideoats grama-grass

Carex alata

Broadwing sedge

Carex backii

[Sedge] Back's sedge

Carex barrattii

Barratt's sedge

Carex buxbaumii

Brown bog sedge

Carex castanea

Chestnut-colored sedge

Carex exilis

[Sedge] Meager sedge

Carex magellanica

[Sedge] Boreal bog sedge

Carex polymorpha

Variable sedge

Carex pseudocyperus

Cyprus-like sedge

Carex reznicekii
 Carex schweinitzii
 Carex viridula
 Carex willdenowii
Castilleja coccinea
 Chamaelirium luteum
 Cheilanthes lanosa
 Cirsium horridulum
 Coeloglossum viride
 Crassula aquatica
 Cryptogramma stelleri
 Cypripedium reginae
 [Dalibarda repens]
 Desmodium cuspidatum
 [Desmodium humifusum]
 Dichanthelium scabriusculum
 Diplazium pycnocarpon
 Dryopteris campyloptera
 Echinodorus tenellus
 Eleocharis equisetoides
 Eleocharis quadrangulata var. crassior
 Equisetum pratense
 Equisetum scirpoides
 Eriocaulon parkeri
 Eupatorium album
 Eurybia radula
 Floerkea proserpinacoides
 Galium labradoricum
 Gentianella quinquefolia
 [Hasteola suaveolens]
 Hudsonia ericoides
 Hydrastis canadensis
 Hydrocotyle umbellata
 Hydrocotyle verticillata
 Isotria medeoloides
 Lachnanthes [caroliniana]caroliniana

 Leptochloa fusca ssp. fascicularis
 Ligusticum [scoticum]scoticum
 Linnaea borealis ssp. americana
 Linum sulcatum
 Liparis liliifolia
 Ludwigia sphaerocarpa
 Lycopodiella alopecuroides

Reznicek's sedge
 Schweinitz's sedge
 Little green sedge
 Willdenow's sedge
Indian paintbrush
 Devil's-bit
 Hairy lip-fern
 Yellow thistle
 Long-bracted green orchid
 Pygmyweed
 Slender cliff-brake
 Showy lady's-slipper
 [Dew-drop]
 Large-bracted tick-trefoil
 [Trailing tick-trefoil]
 [Panic grass]Tall swamp rosette-panicgrass
 Narrow-leaved glade fern
 Mountain wood-fern
 Bur-head
 [Horse-tail spike-rush]Horsetail spikesedge
 [Spike-rush]Square-stemmed spikesedge
 Meadow horsetail
 Dwarf scouring rush
 Parker's pipewort
 White thoroughwort
 Rough aster
 False mermaid-weed
 Bog bedstraw
 Stiff gentian
 [Sweet-scented Indian-plantain]
 Golden-heather
 [Golden seal]Goldenseal
 Water pennywort
 Whorled pennywort
 Small whorled pogonia
 Carolina redroot
 (native populations only)
 Saltpond grass
 Scotch lovage
 Twinflower
 Yellow flax
 Lily-leaved twayblade
 Globe-fruited false-loosestrife
 Foxtail clubmoss

Lythrum alatum
 [Malaxis bayardii]
 Malaxis brachypoda
 Malaxis unifolia
 Milium effusum
Minuartia glabra
 Moehringia macrophylla
 Moneses uniflora
 [Morus rubra]
 Muhlenbergia capillaris
 Myriophyllum alterniflorum
 Myriophyllum pinnatum
 [Oclemena X blakei]
 Oclemena nemoralis
 Oligoneuron album
 Oligoneuron rigidum
 Onosmodium virginianum
Ophioglossum pusillum
Ophioglossum vulgatum
Packera anonyma
Packera paupercula
 [Paspalum laeve]
 Pellaea glabella
 Pinus resinosa

 Piptatherum pungens
 Pityopsis falcata
 Platanthera blephariglottis
Platanthera ciliaris
 Polygala cruciata
 [Polygala nuttallii]
 Polygala senega
 Polymnia canadensis
 Potamogeton confervoides
 Potamogeton friesii
 Potamogeton hillii
 Potamogeton ogdenii
 Potamogeton strictifolius
 [Pycnanthemum clinopodioides]
 Pycnanthemum torrei
 Ranunculus ambiguus
 Ranunculus cymbalaria
 Rhynchospora capillacea
 Rhynchospora scirpoides

Winged loosestrife
 [Bayard's white adder's mouth]
 White adder's-mouth
 Green adder's-mouth
 Tall millet-grass
Mountain sandwort
 Large-leaved sandwort
 One-flower wintergreen
 [Red mulberry]
 Long-awn hairgrass
 Slender water-milfoil
 Cutleaf water-milfoil
 [Blake's aster]
 Bog aster
 Prairie goldenrod
 Stiff goldenrod
 Gravel-weed
Northern adder's-tongue
Southern adder's-tongue
Small's ragwort
Balsam groundsel
 [Field paspalum]
 Smooth cliff-brake
 Red pine
 (native populations only)
 Slender mountain ricegrass
 Sick-leaved golden aster
 White-fringed orchid
Yellow-fringed orchid
 Field milkwort
 [Nuttall's milkwort]
 Seneca snakeroot
 Small-flowered leafcup
 [Pondweed]Tuckerman's pondweed
 Fries' pondweed
 Hill's pondweed
 Ogden's pondweed
 Straight-leaved pondweed
 [Basil mountain-mint]
 Torrey mountain-mint
 Water-plantain spearwort
 Seaside crowfoot
 [Capillary beak-rush]Needle beaksedge
 Long-beaked [bald rush]beaksedge

Ribes triste	Swamp red currant
<u>Rubus dalibarda</u>	<u>Dew-drop</u>
Sabatia stellaris	Marsh pink
Sagittaria cuneata	[Waputo] <u>Northern arrowhead</u>
<u>Sagittaria teres</u>	<u>Quill-leaved arrowhead</u>
<u>Salix exigua</u>	<u>Sandbar willow</u>
Salix pedicellaris	Bog willow
Saururus cernuus	Lizard's tail
Scheuchzeria palustris ssp. americana	Pod grass
Scleria pauciflora var. caroliniana	Few-flowered nutrush
Scleria reticularis	Reticulated nutrush
Scleria triglomerata	[Nutrush] <u>Whip nutrush</u>
Scutellaria integrifolia	Hyssop skullcap
Scutellaria parvula var. missouriensis	Small skullcap
<u>Senecio suaveolens</u>	<u>Sweet-scented Indian-plantain</u>
Sparganium fluctuans	Floating bur-reed
Sparganium natans	Small bur-reed
Sporobolus clandestinus	Rough dropseed
Sporobolus heterolepis	Northern dropseed
Sporobolus neglectus	Small dropseed
Stachys hyssopifolia	Hyssop-leaf hedge-nettle
Taenidia integerrima	Yellow pimpernel
Trichostema brachiatum	False pennyroyal
Triosteum angustifolium	Narrow-leaved horse gentian
Triphora trianthophora	Nodding pogonia
<u>Trisetum spicatum</u>	<u>Narrow false oats</u>
Utricularia resupinata	[Bladderwort] <u>Resupinate bladderwort</u>
Uvularia grandiflora	Large-flowered bellwort
Vaccinium myrtilloides	Velvetleaf blueberry
<u>Viola adunca</u>	<u>Hook-spurred violet</u>
Viola brittoniana	Coast violet
<u>Viola renifolia</u>	<u>Kidney-leaf white violet</u>
Waldsteinia fragarioides	Barren strawberry
Xyris smalliana	Small's yellow-eyed
Zizia aptera	Golden Alexanders

Sec. 2. Section 26-306-5 of the Regulations of State Agencies is amended to read as follows:

Sec. 26-306-5. List of threatened species

(a) The following mammal species are determined to be threatened:

None

(b) The following bird species are determined to be threatened:

Accipiter gentilis

Ammodramus maritimus

[Anas discors]

Ardea alba

Asio flammeus

Charadrius melodus

Egretta thula

Falco peregrinus

[Falco sparverius]

Haematopus palliatus

Haliaeetus leucocephalus

Ixobrychus exilis

[Progne subis]

Sturnella magna

Sternula antillarum

Northern goshawk

Seaside sparrow

[Blue-winged teal]

[(nesting population only)]

Great egret

Short-eared owl

(wintering populations)

Piping plover

Snowy egret

Peregrine falcon

[American kestrel]

American oystercatcher

Bald eagle

Least bittern

[Purple martin]

Eastern meadowlark

Least tern

(c) The following reptile species are determined to be threatened:

Caretta caretta

Loggerhead

Chelonia mydas

Atlantic green turtle

[Eumeces] Plestiodon fasciatus

Five-lined skink

(d) The following amphibian species are determined to be threatened:

Gyrinophilus porphyriticus

Northern spring salamander

Plethodon glutinosus

Northern slimy salamander

(e) The following fish species are determined to be threatened:

[Acipenser oxyrinchus oxyrinchus]

[Atlantic sturgeon]

(f) The following invertebrate species are determined to be threatened:

Abagrotis nefascia benjamini

Coastal heathland cutworm

Anthopotamus verticis

Tusked sprawler

Apamea inordinata

Apamea moth

[Apodrepanulatrix liberaria]

[New Jersey tea inchworm]

Atylotus ohioensis

Tabanid fly

Bombus terricola

Yellow-banded bumble bee

Callophrys irus

Frosted elfin

Calopteryx dimidiata

Sparkling jewelwing

[Celastrina neglectamajor]

[Appalachian blue]

Cicindela tranquebarica

Dark-bellied tiger beetle

Cordulegaster erronea

Tiger spiketail

Dargida rubripennis

Pink streak

Drasteria graphica atlantica

False heather underwing

Enallagma doubledayi

Atlantic bluet

Enallagma recurvatum

Pine barrens bluet

Erynnis brizo
Euchlaena madusaria
 Eucosma morrisoni
Eumacaria latiferrugata
 [Euphyes bimacula]
 [Euxoa violaris]
Exyra fax
 [Faronta rubripennis]
 [Gomphus adelphus]
 Gomphus descriptus
 Gomphus fraternus
 Gomphus quadricolor
 Hemaris gracilis
 Hetaerina americana
 [Hybomitra frosti]
Hybomitra trepida
Hybomitra typhus
Lapara coniferarum
 Leucorrhinia glacialis
Merycomyia whitneyi
Papaipema appassionata
Papaipema duovata
 [Papaipema leucostigma]
Paraleptophlebia assimilis
 Phaneta clavana
 Progomphus obscurus
 Psectraglaea carnosa
Pyrrhia aurantiago
Schinia septentrionalis
Somatochlora georgiana
 Speranza [exornata] exonerata
 [Speyeria atlantis]
 Stylurus amnicola
Sympistis dentata
Tabanus fulvicaillus
 Thaumatopsis edonis
 [Zale curema]
 [Zale submediana]
 Zanclognatha martha

Zanclognatha theralis

Sleepy duskywing
Scrub euchlaena
 Morrison's mosaic
Brown-bordered geometer
 [Two-spotted skipper]
 [Violet dart moth]
Pitcher plant moth
 [Pink streak]
 [Mustached clubtail]
 Harpoon clubtail
 Midland clubtail
 Rapids clubtail
 Slender clearwing
 American rubyspot
 [Horse fly]
Horse fly
Horse fly
Southern pine sphinx
 Crimson-ringed whiteface
Tabanid fly
Pitcher plant borer
Seaside goldenrod stem borer
 [Columbine borer]
Mayfly
 Lanced phaneta
 Common sanddragon
 Pink sallow
Aureolaria seed borer
Northern flower moth
Coppery emerald
 Barrens itame
 [Atlantis fritillary butterfly]
 Riverine clubtail
Toothed apharetra moth
Horse fly
 Grassland thaumatopsis
 [Noctuid moth]
 [Noctuid moth]
 [Noctuid moth] Pine barrens
zanclognatha
Noctuid moth

(g) The following plant species are determined to be threatened:

Alopecurus aequalis
 Andromeda polifolia var. glaucophylla
 Anemone canadensis

[Orange foxtail] Short-awned meadow-foxtail
 Bog rosemary
 Canada anemone

Asplenium ruta-muraria
Betula pumila
 [Bidens beckii]
 [Bidens eatonii]
Calamagrostis stricta ssp. inexpansa
 Carex alopecoidea
 Carex crawei
 Carex cumulata
 Carex davisii
 Carex limosa
 [Castilleja coccinea]
 Corydalis flavula
 Eriophorum vaginatum var. spissum
 Eurybia spectabilis
 Gaylussacia [dumosa var.] bigeloviana
 [Helianthemum propinquum]
 Houstonia longifolia
 Hudsonia tomentosa
 Ilex glabra

Krigia biflora
 Lipocarpha micrantha
 Maianthemum trifolium
 [Minuartia glabra]
 Myriophyllum sibiricum
 [Ophioglossum pusillum]
 [Packera paupercula]
 Panicum amarum var. amarum
Paspalum laeve
 Pedicularis lanceolata
 Petasites frigidus var. palmatus
 [Platanthera ciliaris]
Polygala nuttallii
 Populus heterophylla
 Potamogeton [pusillus ssp.] gemmiparus
 Potamogeton vaseyi
 Rhododendron groenlandicum
 Rhynchospora macrostachya
 Rotala ramosior
 [Salix exigua]
 Schoenoplectus acutus
 Schoenoplectus torreyi
Senna hebecarpa
 Sibbaldiopsis tridentata

Wallrue spleenwort
Swamp birch
 [Water-marigold]
 [Eaton's beggars-tick]
Reed bentgrass
 Foxtail sedge
 Crawe's sedge
 Clustered sedge
 Davis' sedge
 [Sedge] Mud sedge
 [Indian paintbrush]
 Yellow corydalis
 Hare's tail
 Showy aster
 Dwarf huckleberry
 [Low frostweed]
 Longleaf bluet
 [False]Woolly beach-heather
 Inkberry
 (native populations only)
Two-flowered cynthia
 Dwarf bulrush
 Three-leaved false Solomon's-seal
 [Mountain sandwort]
 Northern water-milfoil
 [Adder's-tongue]
 [Ragwort]
 [Panic grass]Bitter panicgrass
Field paspalum
 Swamp lousewort
 Sweet coltsfoot
 [Yellow-fringed orchid]
Nuttall's milkwort
 Swamp cottonwood
 Capillary pondweed
 Vasey's pondweed
 Labrador tea
 [Beaked rush]Tall beaksedge
 Toothcup
 [Sandbar willow]
 Hard-stemmed bulrush
 Torrey bulrush
Wild senna
 Three-toothed cinquefoil

Silene stellata
Spergularia canadensis
Sporobolus cryptandrus
Stachys hispida
Streptopus amplexifolius
Thuja occidentalis

Trollius laxus
Viburnum prunifolium
Xyris montana

Starry [champion]campion
Canada sand-spurry
Sand dropseed
Hispid hedge-nettle
White mandarin
Northern white cedar
(native populations only)
Spreading globe flower
Smooth black-haw
Northern yellow-eyed grass

Sec. 3. Section 26-306-6 of the Regulations of State Agencies is amended to read as follows:

Sec. 26-306-6. List of species of special concern

(a) The following mammal species are determined to be species of special concern:

*Canis lupus	Gray wolf
Lasionycteris noctivagans	Silver-haired bat
Lasiurus borealis	Red bat
Lasiurus cinereus	Hoary bat
[*Myotis leibii]	[Eastern small-footed bat]
*Neotoma magister	Eastern woodrat
Phocoena phocoena <u>ssp.phocoena</u>	Harbor porpoise
*Puma concolor cougar	Eastern cougar
Synaptomys cooperi	Southern bog lemming

*Believed Extirpated

(b) The following bird species are determined to be species of special concern:

Aegolius acadicus	Northern saw-whet owl
Ammodramus caudacutus	Saltmarsh sharp-tailed sparrow
*Ammodramus henslowii	Henslow's sparrow
Buteo platypterus	Broad-winged hawk
Caprimulgus vociferus	Whip-poor-will
Dolichonyx oryzivorus	Bobolink
Egretta caerulea	Little blue heron
Empidonax alnorum	Alder flycatcher
<u>Falco sparverius</u>	<u>American kestrel</u>
Gavia immer	Common loon
*Numenius borealis	Eskimo curlew
Nyctanassa violacea	Yellow-crowned night-heron
[Parula americana]	[Northern parula]
Passerculus sandwichensis	Savannah sparrow
Passerculus sandwichensis ssp. princeps	Ipswich sparrow (wintering population)

Plegadis falcinellus
Progne subis
Setophaga americana
Setophaga cerulea
Sterna hirundo
[Sturnella magna]
Toxostoma rufum

Glossy ibis
Purple martin
Northern parula
Cerulean warbler
Common tern
[Eastern meadowlark]
Brown thrasher

*Believed Extirpated

(c) The following reptile species are determined to be species of special concern:

<u>Clemmys guttata</u>	<u>Spotted turtle</u>
Glyptemys insculpta	Wood turtle
Heterodon platirhinos	Eastern hognose snake
<u>Malaclemys terrapin terrapin</u>	<u>Northern diamondback terrapin</u>
[Liochlorophis] <u>Opheodrys vernalis</u>	Smooth green snake
Terrapene carolina carolina	Eastern box turtle
Thamnophis sauritus	Eastern ribbon snake

(d) The following amphibian species are determined to be species of special concern:

Ambystoma jeffersonianum	Jefferson salamander "complex"
Ambystoma laterale	Blue-spotted salamander "complex"
<u>Necturus maculosus</u>	<u>Mudpuppy</u>
Rana pipiens	Northern leopard frog

(e) The following fish species are determined to be species of special concern:

Alosa aestivalis	Blueback herring
<u>Carcharias taurus</u>	<u>Sand tiger shark</u>
Catostomus catostomus	Longnose sucker
<u>Cottus cognatus</u>	<u>Slimy sculpin</u>
Enneacanthus obesus	Banded sunfish
<u>Liparis atlanticus</u>	<u>Atlantic seasnail</u>
Notropis bifrenatus	Bridle shiner
<u>Ulvaria subbifurcata</u>	<u>Radiated shanny</u>

(f) The following invertebrate species are determined to be species of special concern:

*Acronicta albarufa	Barrens dagger moth
<u>Acronicta falcata</u>	<u>Corylus dagger moth</u>
<u>Acronicta fragilis</u>	<u>Fragile dagger moth</u>
*Acronicta lanceolaria	[Noctuid moth] <u>Pointed dagger moth</u>
Agonum darlingtoni	Ground beetle
Agonum mutatum	Ground beetle
Agrotis stigmata	Spotted dart moth
Amara chalybeata	Ground beetle
[Anthrenus verticis]	[Tussock sprayer]
[Apamea burgessi]	[Apamea moth]

[Apamea inordinata]
 Apamea lintneri
 Argyrostroma anilis
 [Atylotus ohioensis]
 Badister transversus
 Bembidion carinula
 Bembidion lacunarium
 Bembidion planum
 Bembidion pseudocautum
 Bembidion quadratum
 Bembidion semicinctum
 Bembidion simplex
 *Bombus affinis
 *Bombus ashtoni
 [Bombus terricola]
 Brachinus cyanipennis
 Brachinus fumans
 Brachinus medius
 Brachinus ovipennis
 Brachinus patruelis
 Callophrys henrici
 *Callophrys polios
 [*Calosoma wilcoxi]
Cambarus bartonii
 [*]Carabus serratus
 [*Carabus sylvosus]
 Carabus vinctus
Catocala badia badia
 *Catocala pretiosa pretiosa
 Chaetagnatha cerata
 *Chlosyne harrisii
 *Chlosyne nycteis
 *Cicindela dorsalis dorsalis
 Cicindela formosa generosa
 Cicindela hirticollis
 Cicindela marginata
 *Cicindela purpurea
 [Cicindela tranquebarica]
 *Citheronia regalis
 [*]Coccinella novemnotata
 Crangonix aberrans
 *Cucullia speyeri
Derrima stellata
Dichagyris acclivis
Digrammia equivocata
*Drasteria occulta

[Apamea moth]
 [Apamea moth] Sand wainscot moth
 Short-lined chocolate
 [Tabanid fly]
 Ground beetle
 Ground beetle
 Ground beetle
 Ground beetle
 Ground beetle
 Ground beetle
 Ground beetle
 Ground beetle
 [Affable bumblebee] Rusty-patched bumble bee
 Ashton's [bumblebee] cuckoo bumble bee
 [Yellowbanded bumblebee]
 Bombardier beetle
 Bombardier beetle
 Bombardier beetle
 Bombardier beetle
 Bombardier beetle
 Henry's elfin
 Hoary elfin
 [Ground beetle]
Common crayfish
 Ground beetle
 [Ground beetle]
 Ground beetle
Bay underwing moth
 Precious underwing moth
 [Noctuid moth] Waxed swallow
 Harris' checkerspot
 Silvery checkerspot
 Northeastern beach tiger beetle
 [Pine barrens] Big sand tiger beetle
 [Tiger] Hairy-necked tiger beetle
 [Tiger] Saltmarsh tiger beetle
 [Tiger] Purple tiger beetle
 [Dark-bellied tiger beetle]
 Regal moth
 [C9]Nine-spotted lady beetle
 Mystic Valley amphipod
 [Noctuid moth] Speyer's paint
Pink star moth
Noctuid moth
Equivocal looper
Drasteria moth

[*]Eacles imperialis imperialis	Imperial moth
<u>Enallagma daeckii</u>	<u>Attenuated bluet</u>
Enallagma minusculum	Little bluet
Enallagma pictum	Scarlet bluet
Erynnis horatius	Horace's duskywing
*Erynnis martialis	Mottled duskywing
[Euchlaena madusaria]	[Scrub euchlaena]
[Eucoptocnemis fimbriaris]	[Noctuid moth]
*Eulimnadia agassizii	Clam shrimp
[Eumacaria latiferrugata]	[Brown-bordered geometer]
Euphyes dion	Sedge skipper
Euxoa pleuritica	[Noctuid] <u>Fawn brown dart moth</u>
<u>Euxoa violaris</u>	<u>Violet dart moth</u>
[Exyra fax]	[Pitcher plant moth]
<u>Fagitana littera</u>	<u>Marsh fern moth</u>
*Fossaria galbana	[Lymnaeid snail] <u>Boreal fossaria</u>
Fossaria rustica	Lymnaeid snail
Geopinus incrassatus	Ground beetle
*Glena cognataria	<u>Blueberry gray moth</u>
<u>Gomphus adelphus</u>	<u>Mustached clubtail</u>
Gomphus vastus	Cobra clubtail
Gomphus ventricosus	Skillet clubtail
Goniops chrysocoma	Horse fly
Gyraulus circumstriatus	[Aquatic snail] <u>Disc Gyro</u>
Harpalus caliginosus	Ground beetle
Harpalus [eraticus] <u>erraticus</u>	Ground beetle
Helluomorphoides praeustus bicolor	Ground beetle
<u>Hybomitra frosti</u>	<u>Horse fly</u>
Hybomitra [luridus] <u>lurida</u>	Horse fly
[Hybomitra trepida]	[Horse fly]
[Hybomitra typhus]	[Horse fly]
*Hydraecia immanis	Hop vine borer moth
<u>Hyparpax aurora</u>	<u>Pink prominent</u>
Ladona deplanata	Blue corporal dragonfly
[Lepipolys perscripta]	[Noctuid moth]
Leptodea ochracea	Tidewater mucket
<u>Lethe eurydice</u>	<u>Eyed brown</u>
Ligumia nasuta	Eastern [pond mussel] <u>pondmussel</u>
[*]Lithophane lemmeri	Lemmer's noctuid moth
[*]Lithophane viridipallens	Pale green pinion moth
Lomamyia flavicornis	Yellow-horned beaded lacewing
*Lordithon niger	Black lordithon rove beetle
Loxandrus vulneratus	Ground beetle
Lycaena epixanthe	Bog copper
Lycaena hyllus	Bronze copper
Macropis ciliata	Fringed loosestrife oil-bee

Margaritifera margaritifera
 Melitara prodenialis
 Meropleon ambifusum
 [Merycomyia whitneyi]
Metarranthis apiciaria
 *Mixogaster johnsoni
 Nebria lacustris lacustris
 *Nicrophorus americanus
 [*Omophron tessellatum]
 [Onconemesis riparia]
 [*Panagaeus fasciatus]
 *Papaipema circumlucens
 [Papaipema duovata]
 *Papaipema maritima
 *Papaipema sciata
 [Paraleptophlebia assimilis]
Parasa indeterminata
Photodes inops
 [*Polygonia progne]
 Pomatiopsis lapidaria
 [Procambarus acutus]
 *Pyreferra ceromatica
 [Rhodoecia aurantiago]
 [Sargus fasciatus]
 [Satyrodes eurydice]
 [*Scaphinotus elevatus]
 Scaphinotus viduus
 Schinia spinosae
 *Sideridis maryx
 Somatochlora elongata
 [Spartiniphaga inops]
 *Speyeria idalia
 Sphodros niger
 Stagnicola catascopium
 Stonemyia isabellina
 Stygobromus tenuis tenuis
Sympistis perscripta
Sympistis riparia
 Synurella chamberlaini
 [Tabanus fulvicallus]
 [Tetragonoderus fasciatus]
 [Tibicen auletes]
 Valvata sincera
 Valvata tricarinata
 Zale obliqua
*Zale submediana

Eastern [pearl shell] pearlshell
 Eastern cactus-boring moth
 Newman's brocade
 [Tabanid fly]
Barrens metarranthis moth
 Syrphid fly
 Ground beetle
 American burying beetle
 [Ground beetle]
 [Dune onconemesis]
 [Ground beetle]
 Hops-stalk borer moth
 [Seaside goldenrod stem borer]
 Maritime sunflower borer moth
 Culvers root [bore] borer moth
 [Mayfly]
Stinging rose caterpillar moth
Spartina borer moth
 [Gray comma]
 Slender walker
 [Whiteriver crayfish]
 Anointed swallow moth
 [Aureolaria seed borer]
 [Soldier fly]
 [Eyed brown]
 [Ground beetle]
 Ground beetle
 [Noctuid] Apinose flower moth
Maroonwing moth
 Ski-tailed emerald
 [Spartina borer moth]
 Regal fritillary
 Purse web spider
 [Lymnaeid snail] Woodland pondsnail
 Tabanid fly
 Piedmont groundwater amphipod
Scribbled swallow moth
Dune Sympistis
 Coastal pond amphipod
 [Horse fly]
 [Ground beetle]
 [Cicada]
 Boreal turret snail
 Turret snail
 [Noctuid moth] Oblique zale
Gray spring zale

*Believed Extirpated

(g) The following plant species are determined to be species of special concern:

Acalypha virginica	Virginia copperleaf
*Amaranthus pumilus	Sea-beach amaranth
<u>Anemone acutiloba</u>	<u>Sharp-lobed hepatica</u>
*Angelica venenosa	Hairy angelica
*Antennaria howellii ssp. petaloidea	Field pussytoes
*Aplectrum hyemale	Puttyroot
*Arethusa bulbosa	[Arethusa] <u>Dragon's-mouth</u>
Aristida longespica <u>var. geniculata</u>	Needlegrass
[Aristida purpurascens]	[Arrowfeather]
[Aristolochia serpentaria]	[Virginia snakeroot]
Asclepias purpurascens	Purple milkweed
*Asclepias variegata	White milkweed
Asplenium montanum	Mountain spleenwort
Atriplex glabriuscula	[Orache] <u>Bracted orache</u>
[Betula pumila]	[Swamp birch]
<u>Bidens beckii</u>	<u>Beck's water-marigold</u>
*Blephilia ciliata	Downy wood-mint
*Blephilia hirsuta	Hairy [woodmint] <u>wood-mint</u>
Bolboschoenus maritimus ssp. paludosus	Bayonet grass
Bolboschoenus novae-angliae	Salt marsh bulrush
*Botrychium simplex	Little grape fern
[Calamagrostis stricta ssp. inexpansa]	[Reed bentgrass]
<u>*Calystegia silvatica</u>	<u>Short-stalked false bindweed</u>
*Calystegia spithamea	Low bindweed
Cardamine douglassii	Purple cress
Carex aestivalis	Summer sedge
Carex aquatilis [var. aquatilis] <u>ssp. altior</u>	[Sedge] <u>Water sedge</u>
Carex bushii	[Sedge] <u>Bush's sedge</u>
*Carex collinsii	[Collins] <u>Collins' sedge</u>
*Carex crawfordii	Crawford sedge
[*]Carex foenea	Bronze sedge
Carex formosa	Handsome sedge
Carex hitchcockiana	Hitchcock's sedge
Carex molesta	Troublesome sedge
*Carex nigromarginata	Black-edge sedge
Carex novae-angliae	New England sedge
Carex oligocarpa	Eastern few-fruited sedge
*Carex oligosperma	Few-seeded sedge
*Carex pauciflora	Few-flowered sedge
Carex prairea	Prairie sedge

[Carex squarrosa]	[Sedge]
Carex sterilis	Dioecious sedge
Carex trichocarpa	[Sedge] <u>Hairy-fruited sedge</u>
Carex tuckermanii	Tuckerman's sedge
Carex typhina	[Sedge] <u>Cattail sedge</u>
<u>Celastrus scandens</u>	<u>American bittersweet</u>
[*Cercis canadensis]	[Eastern redbud]
	[(native populations only)]
*Chenopodium rubrum	[Coast blite] <u>Red goosefoot</u>
* <u>Coleataenia longifolia ssp. elongata</u>	<u>Long-leaved redtop-panicgrass</u>
Corallorhiza trifida	Early coral root
* <u>Crocanthemum dumosum</u>	<u>Bushy frostweed</u>
<u>Crocanthemum propinquum</u>	<u>Low frostweed</u>
[*Croton willdenowii]	[Elliptical rushfoil]
* <u>Crotonopsis elliptica</u>	<u>Elliptical rushfoil</u>
*Cuphea viscosissima	Blue waxweed
*Cuscuta coryli	Hazel dodder
*Cynoglossum virginianum	Wild comfrey
*Cypripedium arietinum	Ram's-head lady's-slipper
Cypripedium parviflorum	Yellow lady's-slipper
Deschampsia [caespitosa] <u>caespitosa</u>	Tufted hairgrass
Desmodium glabellum	Dillenius' tick-trefoil
*Desmodium sessilifolium	Sessile-leaf tick-trefoil
Dicentra canadensis	Squirrel corn
[Dichanthelium ovale var. addisonii]	[Panic grass]
* <u>Dichanthelium ovale ssp. pseudopubescens</u>	<u>Stiff-leaved rosette-panicgrass</u>
*Dichanthelium sphaerocarpon var. isophyllum	[Panic grass] <u>Round-fruited rosette-panicgrass</u>
*Dichanthelium xanthophyllum	[Panic grass] <u>Pale-leaved rosette-panicgrass</u>
[Diospyros virginiana]	[Persimmon]
* <u>Doellingeria infirma</u>	<u>Appalachian white-aster</u>
Draba reptans	Whitlow-grass
*Drosera filiformis	Thread-leaf sundew
<u>Drymocallis arguta</u>	<u>Tall cinquefoil</u>
Dryopteris goldiana	Goldie's fern
*Eleocharis microcarpa var. filiculmis	[Spike-rush] <u>Small-fruited spikesedge</u>
Elymus wiegandii	Wiegand's wild rye
<u>Endodeca serpentaria</u>	<u>Virginia snakeroot</u>
*Equisetum palustre	Marsh horsetail
[Eurybia X herveyi]	[Hervey's aster]
*Gamochaeta purpurea	Purple cudweed
Gaultheria hispidula	Creeping snowberry
*Geranium bicknellii	Bicknell's northern crane's-bill

*Goodyera repens var. ophioides
 [*Helianthemum dumosum]
 [Hepatica nobilis var. acuta]
 *Heteranthera reniformis
 Honckenya peploides
 Hottonia inflata
 *Huperzia [selago]appressa
 *Hybanthus concolor
 Hydrophyllum virginianum
 *Hypericum adpressum
 Hypericum ascyron
 *Juncus debilis
 [Krigia biflora]
*Lechea racemulosa
 Lespedeza repens
 Liatris [scariosa var.] novae-angliae
 Lilaeopsis chinensis
 Limosella australis
 *Linum intercursum
 [Liquidambar styraciflua]

 *Ludwigia polycarpa
 Lycopus amplexans
 Lygodium palmatum
 *Lyonia mariana
*Malaxis bayardii
 Mitella nuda
 *Nuphar advena
*Nuphar microphylla
 *Oenothera fruticosa
 Opuntia humifusa
 Orontium aquaticum
 *Orthilia secunda
 Oxalis violacea
 Panax quinquefolius
 [*Panicum rigidulum var. elongatum]
 *Panicum verrucosum
 *Paronychia fastigiata
 *Paspalum setaceum var. psammophilum
 *Phaseolus polystachios var.
 polystachios
Phragmites americanus
 Plantago virginica
 *Platanthera dilatata

Dwarf rattlesnake plantain
 [Bush rockrose]
 [Sharp-lobed hepatica]
 Kidneyleaf mud-plantain
 Seabeach sandwort
 Featherfoil
 Fir clubmoss
 Green violet
 Virginia waterleaf
 Creeping St. John's-wort
 Great St. John's-wort
 Weak rush
 [Two-flowered cynthia]
Illinois pinweed
 Creeping bush-clover
 [Blazing star]New England blazing-star
 Lilaeopsis
 Mudwort
 Sandplain flax
 [Sweet gum]
 [(native populations only)]
 Many-fruited false-loosestrife
 Claspingleaved water-horehound
 Climbing fern
 Stagger-bush
Bayard's white adder's mouth
 Naked miterwort
 Large yellow pond lily
 Small yellow pond lily
 Sundrops
 Eastern prickly pear
 Golden club
 One-sided pyrola
 Violet wood-sorrel
 American ginseng
 [Tall flat panic-grass]
 Warty panic grass
 Hairy forked chickweed
 [Bead grass]Thin paspalum
 Wild kidney bean

American reed
 Hoary plantain
 Tall white bog orchid

Platanthera flava var. herbiola	Pale green orchid
*Platanthera hookeri	Hooker's orchid
*Platanthera orbiculata	Large round-leaved orchid
[Podostemum ceratophyllum]	[Threadfoot]
*Polanisia dodecandra	Clammy-weed
<u>Polygala ambigua</u>	<u>Alternate milkwort</u>
[*]Polygonum glaucum	Seabeach knotweed
[Potentilla arguta]	[Tall cinquefoil]
*Prunus alleghaniensis	Alleghany plum
*Prunus maritima var. gravesii	Grave's beach plum
*Puccinellia [tenella ssp. alaskana] <u>pumila</u>	Goose grass
Quercus macrocarpa	Bur oak
*Ranunculus flammula var. [filiformis] <u>reptans</u>	Creeping spearwort
[Ranunculus longirostris]	[White water-crowfoot]
[*]Ranunculus pensylvanicus	Bristly buttercup
*Rhus aromatica	Fragrant sumac (native populations only)
Ribes glandulosum	Skunk currant
*Ribes lacustre	Swamp black currant
Ribes rotundifolium	Wild currant
*Rosa nitida	Shining rose
Rubus cuneifolius	Sand [bramble] <u>blackberry</u>
*Rumex [maritimus] <u>persicarioides</u>	Sea-side dock
*Sabatia dodecandra	Large marsh pink
Sagittaria subulata	[Arrowleaf] <u>Awl-leaved arrowhead</u>
Salix petiolaris	Slender willow
[Salix serissima]	[Autumn willow]
Schizachne purpurascens	Purple oat
*Schwalbea americana	Chaffseed
*Scirpus georgianus	Georgia bulrush
*Scirpus longii	Long's bulrush
*Scleria verticillata	Low nutrush
[Senna hebecarpa]	[Wild senna]
*Smilax hispida	Bristly greenbriar
*Solidago aestivalis	<u>Early wrinkle-leaved goldenrod</u>
*Solidago latissimifolia	Elliott's goldenrod
[*Solidago rugosa var. sphagnophila]	[Early wrinkle-leaved goldenrod]
Spiranthes tuberosa var. grayi	Little ladies'-tresses
[Stachys tenuifolia]	[Smooth hedge-nettle]
Stellaria borealis	Northern stitchwort
*Symphyotrichum prenanthoides	Crooked-stem aster
Trichomanes intricatum	Appalachian gametophyte
*Trichophorum alpinum	[Cotton] <u>Alpine</u> bulrush
[Trisetum spicatum]	[Spiked false oats]

**Vaccinium vitis-idaea* ssp. minus

**Valerianella radiata*

**Veratrum latifolium*

**Verbena simplex*

**Viburnum nudum*

[*Viburnum prunifolium*]

[*Viola adunca*]

Viola canadensis

**Viola hirsutula*

Viola nephrophylla

[**Viola renifolia*]

Viola selkirkii

[**Viola striata*]

[*Vitis X novae-angliae*]

Mountain cranberry

Beaked corn-salad

Hybrid bunchflower

Narrow-leaved vervain

Possum haw

[Smooth black-haw]

[Hook-spurred violet]

Canada violet

Southern wood violet

Northern bog violet

[Kidney-leaf white violet]

Great-spurred violet

[Striped violet]

[New England grape]

*Believed Extirpated

CERTIFICATION

This certification statement is used only for regulations first noticed between October 1, 2014 and March 23, 2015 and must be completed in full.

I hereby certify that the above Regulation(s)

- 1) is/are (check all that apply) ☐ adopted ☒ amended ☐ repealed by this agency pursuant to the following authority(ies): (complete all that apply)

a. **Connecticut General Statutes** section(s) 26-306.

b. **Public Act Number(s)** _____.

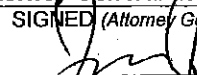
(Provide public act number(s) if the authorizing act has not yet been codified in the Connecticut General Statutes.)

And I further certify that

- 2) **Notice of Intent** to adopt, amend or repeal and a copy of said regulation(s) were electronically submitted to the Secretary of the State on 2/10/2015, and posted to the Secretary's regulations website on 2/10/2015; (Insert dates the notice and copy of the regulation(s) were (a) emailed to the Secretary of the State and (b) posted on the Secretary's website.)
- 3) ☐ No public hearings were held regarding said regulation(s) OR one or more **public hearings were held on** 3/31/2015;
(If one or more public hearings were held voluntarily or pursuant to CGS 4-168(a) and/or other applicable statute enter the date(s). If no public hearings were held, check the box for that statement.)
- 4) Pursuant to CGS 4-168(e) notice of **Decision to Take Action**, the **final wording** of the proposed regulation(s), and, if applicable, a **statement concerning comments received** and considerations rejected were electronically submitted to the Secretary of the State on 5/27/2015, and posted to the Secretary's regulations website on 5/29/2015; and (Insert dates notice, final proposed wording and (if comments were received) a response to comments statement were (a) emailed to the Secretary of the State and (b) posted on the Secretary's website.)
- 5) Said regulation(s) is/are **EFFECTIVE** (check one, and complete as applicable)
☒ When posted online by the Secretary of the State.
OR ☐ on (insert date) _____.

6) SIGNED (Head of Board, Agency or Commission)	OFFICIAL TITLE, DULY AUTHORIZED	DATE
	Commissioner	5/29/15

APPROVED by the Attorney General as to legal sufficiency in accordance with CGS Section 4-169.

DATE	SIGNED (Attorney General or AG's designated representative)	OFFICIAL TITLE, DULY AUTHORIZED
5/29/15		Associate Attorney General

Proposed regulations are **DEEMED APPROVED** by the Attorney General in accordance with CGS Section 4-169 if the Attorney General fails to give notice to the agency of any legal insufficiency within thirty (30) days of the receipt of the proposed regulation.

(For Regulation Review Committee Use ONLY)

APPROVED ☐ in WHOLE or WITH ☒ technical corrections ☐ deletions ☐ substitute pages

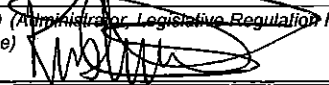
☐ DEEMED APPROVED, pursuant CGS 4-170(c), as amended.

☐ Rejected without Prejudice

☐ Disapproved, pursuant to CGS 4-170(c), as amended.

By the Legislative Regulation Review Committee in accordance with CGS Section 4-170, as amended

DATE
7-28-15

SIGNED (Administrative, Legislative Regulation Review Committee)


In accordance with CGS Section 4-172 and requirements of the Legislative Regulation Review Committee, one original paper copy and one electronic copy with agency head certification statement received on the date(s) specified below.

DATE

SIGNED (Secretary of the State)

BY

(For Secretary of the State Use ONLY)

Date Posted to SOTS Regulations Website:

Date Electronic Copy Forwarded to the Commission on Official Legal Publications:

SOTS file stamp: