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TITLE 50--WILDLIFE AND FISHERIES

CHAPTER I--UNITED STATES FISH AND WILDLIFE SERVICE, DEPARTMENT OF THE INTERIOR

PART 17--ENDANGERED AND THREATENED WILDLIFE AND PLANTS

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Authority: 16 U.S.C. 1361-1407; 16 U.S.C. 1531-1544; 16 U.S.C. 4201-4245; Pub. L. 99-625, 100 Stat. 3500; unless otherwise noted.

Source: 40 FR 44415, Sept. 26, 1975, unless otherwise noted.

Subpart A--Introduction and General Provisions

Sec. 17.1 Purpose of regulations.

(a) The regulations in this part implement the Endangered Species Act of 1973, 87 Stat. 884, 16 U.S.C. 1531-1543, except for those provisions in the Act concerning the Convention on International Trade

in Endangered Species of Wild Fauna and Flora, for which regulations are provided in part 23 of this subchapter.

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(b) The regulations identify those species of wildlife and plants determined by the Director to be endangered or threatened with extinction under section 4(a) of the Act and also carry over the species and subspecies of wildlife designated as endangered under the Endangered Species Conservation Act of 1969 (83 Stat. 275, 16 U.S.C. 668cc-1 to 6) which are deemed endangered species under section 4(c)(3) of the Act.

[40 FR 44415, Sept. 26, 1975, as amended at 42 FR 10465, Feb. 22, 1977]

Sec. 17.2 Scope of regulations.

(a) The regulations of this part apply only to endangered and threatened wildlife and plants.

(b) By agreement between the Service and the National Marine Fisheries Service, the jurisdiction of the Department of Commerce has been specifically defined to include certain species, while jurisdiction is shared in regard to certain other species. Such species are footnoted in subpart B of this part, and reference is given to special rules of the National Marine Fisheries Service for those species.

(c) The provisions in this part are in addition to, and are not in lieu of, other regulations of this subchapter B which may require a permit or prescribe additional restrictions or conditions for the importation, exportation, and interstate transportation of wildlife.

(d) The examples used in this part are provided solely for the convenience of the public, and to explain the intent and meaning of the regulation to which they refer. They have no legal significance.

(e) Certain of the wildlife and plants listed in Secs. 17.11 and 17.12 as endangered or threatened are included in Appendix I, II or III to the Convention on International Trade in Endangered Species of Wild Fauna and Flora. The importation, exportation and reexportation of such species are subject to additional regulations provided in part 23 of this subchapter.

[40 FR 44415, Sept. 26, 1975, as amended at 42 FR 10465, Feb. 22, 1977]

Sec. 17.3 Definitions.

In addition to the definitions contained in part 10 of this subchapter, and unless the context otherwise requires, in this part 17:

Act means the Endangered Species Act of 1973 (16 U.S.C. 1531-1543; 87 Stat. 884);

Alaskan Native means a person defined in the Alaska Native Claims Settlement Act (43 U.S.C. 1603(b) (85 Stat. 588)) as a citizen of the United States who is of one-fourth degree or more Alaska Indian (including Tsimshian Indians enrolled or not enrolled in the Metlaktla Indian Community), Eskimo, or Aleut blood, or combination thereof. The term includes any Native, as so defined, either or both of whose adoptive parents are not Natives. It also includes, in the absence of proof of a minimum blood quantum, any citizen of the United States who is regarded as an Alaska Native by the Native village or town of which he claims to be a member and whose father or mother is (or, if deceased,

was) regarded as Native by any Native village or Native town. Any citizen enrolled by the Secretary pursuant to section 5 of the Alaska Native Claims Settlement Act shall be conclusively presumed to be an Alaskan Native for purposes of this part;

Authentic native articles of handicrafts and clothing means items made by an Indian, Aleut, or Eskimo which (a) were commonly produced on or before December 28, 1973, and (b) are composed wholly or in some significant respect of natural materials, and (c) are significantly altered from their natural form and which are produced, decorated, or fashioned in the exercise of traditional native handicrafts without the use of pantographs, multiple carvers, or similar mass copying devices. Improved methods of production utilizing modern implements such as sewing machines or modern techniques at a tannery registered pursuant to Sec. 18.23(c) of this subchapter (in the case of marine mammals) may be used so long as no large scale mass production industry results. Traditional native handicrafts include, but are not limited to, weaving, carving, stitching, sewing, lacing, beading, drawing, and painting. The formation of traditional native groups

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such as cooperatives, is permitted so long as no large scale mass production results;

Bred in captivity or captive-bred refers to wildlife, including eggs, born or otherwise produced in captivity from parents that mated or otherwise transferred gametes in captivity, if reproduction is sexual, or from parents that were in captivity when development of the progeny began, if development is asexual.

Captivity means that living wildlife is held in a controlled environment that is intensively manipulated by man for the purpose of producing wildlife of the selected species, and that has boundaries designed to prevent animal, eggs or gametes of the selected species from entering or leaving the controlled environment. General characteristics of captivity may include but are not limited to artificial housing, waste removal, health care, protection from predators, and artificially supplied food.

Convention means the Convention on International Trade in Endangered Species of Wild Fauna and Flora, TIAS 8249.

Enhance the propagation or survival, when used in reference to wildlife in captivity, includes but is not limited to the following activities when it can be shown that such activities would not be detrimental to the survival of wild or captive populations of the affected species:

(a) Provision of health care, management of populations by culling, contraception, euthanasia, grouping or handling of wildlife to control survivorship and reproduction, and similar normal practices of animal husbandry needed to maintain captive populations that are self-sustaining and that possess as much genetic vitality as possible;

(b) Accumulation and holding of living wildlife that is not immediately needed or suitable for propagative or scientific purposes, and the transfer of such wildlife between persons in order to relieve crowding or other problems hindering the propagation or survival of the captive population at the location from which the wildlife would be removed; and

(c) Exhibition of living wildlife in a manner designed to educate the public about the ecological role and conservation needs of the

affected species.

Endangered means a species of wildlife listed in Sec. 17.11 or a species of plant listed in Sec. 17.12 and designated as endangered.

Harass in the definition of ``take'' in the Act means an intentional or negligent act or omission which creates the likelihood of injury to wildlife by annoying it to such an extent as to significantly disrupt normal behavioral patterns which include, but are not limited to, breeding, feeding or sheltering.

Harm in the definition of ``take'' in the Act means an act which actually kills or injures wildlife. Such act may include significant habitat modification or degradation where it actually kills or injures wildlife by significantly impairing essential behavioral patterns, including breeding, feeding or sheltering.

Incidental taking means any taking otherwise prohibited, if such taking is incidental to, and not the purpose of, the carrying out of an otherwise lawful activity.

Industry or trade in the definition of ``commercial activity'' in the Act means the actual or intended transfer of wildlife or plants from one person to another person in the pursuit of gain or profit;

Native village or town means any community, association, tribe, clan or group;

Population means a group of fish or wildlife in the same taxon below the subspecific level, in common spatial arrangement that interbreed when mature;

Specimen means any animal or plant, or any part, product, egg, seed or root of any animal or plant;

Subsistence means the use of endangered or threatened wildlife for food, clothing, shelter, heating, transportation and other uses necessary to maintain the life of the taker of the wildlife, or those who depend upon the taker to provide them with such subsistence, and includes selling any edible portions of such wildlife in native villages and towns in Alaska for native consumption within native villages and towns;

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Threatened means a species of wildlife listed in Sec. 17.11 or plant listed in Sec. 17.12 and designated as threatened.

Wasteful manner means any taking or method of taking which is likely to result in the killing or injury of endangered or threatened wildlife beyond those needed for subsistence purposes, or which results in the waste of a substantial portion of the wildlife, and includes without limitation the employment of a method of taking which is not likely to assure the capture or killing of the wildlife, or which is not immediately followed by a reasonable effort to retrieve the wildlife.

[40 FR 44415, Sept. 26, 1975, as amended at 42 FR 28056, June 1, 1977; 44 FR 54006, Sept. 17, 1979; 46 FR 54750, Nov. 4, 1981; 47 FR 31387, July 20, 1982; 50 FR 39687, Sept. 30, 1985]

Sec. 17.4 Pre-Act wildlife.

(a) The prohibitions defined in subparts C and D of this part 17 shall not apply to any activity involving endangered or threatened wildlife which was held in captivity or in a controlled environment on December 28, 1973: Provided,

(1) That the purposes of such holding were not contrary to the purposes of the Act; and

(2) That the wildlife was not held in the course of a commercial activity.

Example 1. On January 25, 1974, a tourist buys a stuffed hawksbill turtle (an endangered species listed since June, 1970), in a foreign country. On December 28, 1973, the stuffed turtle had been on display for sale. The tourist imports the stuffed turtle into the United States on January 26, 1974. This is a violation of the Act since the stuffed turtle was held for commercial purposes on December 28, 1973.

Example 2. On December 27, 1973 (or earlier), a tourist buys a leopard skin coat (the leopard has been listed as endangered since March 1972) for his wife in a foreign country. On January 5, he imports it into the United States. He has not committed a violation since on December 28, 1973, he was the owner of the coat, for personal purposes, and the chain of commerce had ended with the sale on the 27th. Even if he did not finish paying for the coat for another year, as long as he had possession of it, and he was not going to resell it, but was using it for personal purposes, the Act does not apply to that coat.

Example 3. On or before December 28, 1973, a hunter kills a leopard legally in Africa. He has the leopard mounted and imports it into the United States in March 1974. The importation is not subject to the Act. The hunter has not engaged in a commercial activity, even though he bought the services of a guide, outfitters, and a taxidermist to help him take, preserve, and import the leopard. This applies even if the trophy was in the possession of the taxidermist on December 28, 1973.

Example 4. On January 15, 1974, a hunter kills a leopard legally in Africa. He has the leopard mounted and imports it into the United States in June 1974. This importation is a violation of the Act since the leopard was not in captivity or a controlled environment on December 28, 1973.

(b) Service officers or Customs officers may refuse to clear endangered or threatened wildlife for importation into or exportation from the United States, pursuant to Sec. 14.53 of this subchapter, until the importer or exporter can demonstrate that the exemption referred to in this section applies. Exempt status may be established by any sufficient evidence, including an affidavit containing the following:

(1) The affiant's name and address;

(2) Identification of the affiant;

(3) Identification of the endangered or threatened wildlife which is the subject of the affidavit;

(4) A statement by the affiant that to the best of his knowledge and belief, the endangered or threatened wildlife which is the subject of the affidavit was in captivity or in a controlled environment on December 28, 1973, and was not being held for purposes contrary to the Act or in the course of a commercial activity;

(5) A statement by the affiant in the following language:

The foregoing is principally based on the attached exhibits which, to the best of my knowledge and belief, are complete, true and correct. I understand that this affidavit is being submitted for the purpose of inducing the Federal Government to recognize an exempt status regarding (insert description of wildlife), under the Endangered Species Act of 1973 (16 U.S.C. 1531-1543), and regulations promulgated thereunder, and

that any false statements may subject me to the criminal penalties of 18 U.S.C. 1001.

(6) As an attachment, records or other available evidence to show:
(i) That the wildlife in question was being held in captivity or in a controlled environment on December 28, 1973;

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(ii) The purpose for which the wildlife was being held; and
(iii) The nature of such holding (to establish that no commercial activity was involved).
(c) This section applies only to wildlife born on or prior to December 28, 1973. It does not apply to the progeny of any such wildlife born after December 28, 1973.

Sec. 17.5 Alaska natives.

(a) The provisions of subpart C of this part relating to the importation or the taking of endangered wildlife, and any provision of subpart D of this part relating to the importation or the taking of threatened wildlife, shall not apply to:
(1) Any Indian, Aleut, or Eskimo who is an Alaskan native and who resides in Alaska; or
(2) Any non-native permanent resident of an Alaskan native village who is primarily dependent upon the taking of wildlife for consumption or for the creation and sale of authentic native articles of handicrafts and clothing:

If the taking is primarily for subsistence purposes, and is not accomplished in a wasteful manner.
(b) Edible portions of endangered or threatened wildlife taken or imported pursuant to paragraph (a) of this section may be sold in native villages or towns in Alaska for native consumption within native villages and towns in Alaska.
(c) Non-edible by-products of endangered or threatened wildlife taken or imported pursuant to paragraph (a) of this section may be sold in interstate commerce when made into authentic native articles of handicrafts and clothing.
Sec. 17.6 State cooperative agreements. [Reserved]

Sec. 17.7 Raptor exemption.

(a) The prohibitions found in Secs. 17.21 and 17.31 do not apply to any raptor [a live migratory bird of the Order Falconiformes or the Order Strigiformes, other than a bald eagle (Haliaeetus leucocephalus) or a golden eagle (Aquila chrysaetos)] legally held in captivity or in a controlled environment on November 10, 1978, or to any of its progeny, which is:
(1) Possessed and banded in compliance with the terms of a valid permit issued under part 21 of this chapter; and
(2) Identified in the earliest applicable annual report required to be filed by a permittee under part 21 of this chapter as in a permittee's possession on November 10, 1978, or as the progeny of such a raptor.
(b) This section does not apply to any raptor intentionally returned

to the wild.

[48 FR 31607, July 8, 1983]

Subpart B--Lists

Sec. 17.11 Endangered and threatened wildlife.

(a) The list in this section contains the names of all species of wildlife which have been determined by the Services to be Endangered or Threatened. It also contains the names of species of wildlife treated as Endangered or Threatened because they are sufficiently similar in appearance to Endangered or Threatened species (see Sec. 17.50 et seq.).

(b) The columns entitled ``Common Name,'' ``Scientific Name,'' and ``Vertebrate Population Where Endangered or Threatened'' define the species of wildlife within the meaning of the Act. Thus, differently classified geographic populations of the same vertebrate subspecies or species shall be identified by their differing geographic boundaries, even though the other two columns are identical. The term ``Entire'' means that all populations throughout the present range of a vertebrate species are listed. Although common names are included, they cannot be relied upon for identification of any specimen, since they may vary greatly in local usage. The Services shall use the most recently accepted scientific name. In cases in which confusion might arise, a synonym(s) will be provided in parentheses. The Services shall rely to the extent practicable on the International Code of Zoological Nomenclature.

(c) In the ``Status'' column the following symbols are used: ``E'' for Endangered, ``T'' for Threatened, and ``E

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[or T] (S/A)'' for similarity of appearance species.

(d) The other data in the list are nonregulatory in nature and are provided for the information of the reader. In the annual revision and compilation of this title, the following information may be amended without public notice: the spelling of species' names, historical range, footnotes, references to certain other applicable portions of this title, synonyms, and more current names. In any of these revised entries, neither the species, as defined in paragraph (b) of this section, nor its status may be changed without following the procedures of part 424 of this title.

(e) The ``historic range'' indicates the known general distribution of the species or subspecies as reported in the current scientific literature. The present distribution may be greatly reduced from this historic range. This column does not imply any limitation on the application of the prohibitions in the Act or implementing rules. Such prohibitions apply to all individuals of the species, wherever found.

(f)(1) A footnote to the Federal Register publication(s) listing or reclassifying a species is indicated under the column ``When listed.'' Footnote numbers to Secs. 17.11 and 17.12 are in the same numerical sequence, since plants and animals may be listed in the same Federal Register document. That document, at least since 1973, includes a statement indicating the basis for the listing, as well as the effective date(s) of said listing.

(2) The ``Special rules'' and ``Critical habitat'' columns provide a

cross reference to other sections in parts 17, 222, 226, or 227. The ``Special rules'' column will also be used to cite the special rules that describe experimental populations and determine if they are essential or nonessential. Separate listing will be made for experimental populations, and the status column will include the following symbols: ``XE'' for an essential experimental population and ``XN'' for a nonessential experimental population. The term ``NA'' (not applicable) appearing in either of these two columns indicates that there are no special rules and/or critical habitat for that particular species. However, all other appropriate rules in parts 17, 217 through 227, and 402 still apply to that species. In addition, there may be other rules in this title that relate to such wildlife, e.g., port-of-entry requirements. It is not intended that the references in the ``Special rules'' column list all the regulations of the two Services which might apply to the species or to the regulations of other Federal agencies or State or local governments.

(g) The listing of a particular taxon includes all lower taxonomic units. For example, the genus Hylobates (gibbons) is listed as Endangered throughout its entire range (China, India, and SE Asia); consequently, all species, subspecies, and populations of that genus are considered listed as Endangered for the purposes of the Act. In 1978 (43 FR 6230-6233) the species Haliaeetus leucocephalus (bald eagle) was listed as Threatened in ``USA (WA, OR, MN, WI, MI)'' rather than its entire population; thus, all individuals of the bald eagle found in those five States are considered listed as Threatened for the purposes of the Act.

(h) The ``List of Endangered and Threatened Wildlife'' is provided below:

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Species		Vertebrate population				
Common name	Scientific name	Historic range	where endangered or threatened	Status listed	When habitat	Critical rules	Special
Mammals							
Anoa, lowland	Bubalus depressicornis (=B. anoa depressicornis).	Indonesia	Entire	E	3	NA	NA
Anoa, mountain	Bubalus quarlesi (=B. anoa quarlesi).	.....do	.....do	E	15	NA	NA
Antelope, giant sable	Hippotragus niger variani.	Angola	.....do	E	15	NA	NA
Argali	Ovis ammon	Afganistan, China, India, Kazakhstan, Kyrgyzstan, Mongolia, Nepal, Pakistan, Russia, Tajikistan, Uzbekistan.	Entire except Kyrgyzstan, Mongolia, and Tajikistan.	E	15, 475	NA	NA
Do	.....do	.....do	Kyrgyzstan, Mongolia, and Tajikistan.	T	15, 475	NA	17.40(j)
Armadillo, giant	Priodontes maximus (=giganteus).	Venezuela and Guyana to Argentina.	Entire	E	15	NA	NA
Armadillo, pink fairy	Chlamyphorus truncatus	Argentina	.....do	E	3	NA	NA
Ass, African wild	Equus asinus (=africanus).	Somalia, Sudan, Ethiopia.	Somalia, Sudan, Ethiopia.	E	3, 22	NA	NA
Ass, Asian wild (=kulan, onager)	Equus hemionus	Southwestern and	Entire	E	3	NA	NA

Central Asia.
Avahi..... Avahi (=Lichanotus) Malagasy Republic .....do..... E 3 NA NA
laniger (=entire genus). (=Madagascar).
Aye-aye..... Daubentonia .....do..... .....do..... E 3 NA NA
madagascariensis.
Babirusa..... Babyrousa babyrussa..... Indonesia..... .....do..... E 15 NA NA
Baboon, gelada..... Theropithecus gelada.... Ethiopia..... .....do..... T 16 NA 17.40(c)
Bandicoot, barred..... Perameles bougainville.. Australia..... .....do..... E 4 NA NA
Bandicoot, desert..... Perameles eremiana..... .....do..... .....do..... E 6 NA NA
Bandicoot, lesser rabbit..... Macrotis leucura..... .....do..... .....do..... E 4 NA NA
Bandicoot, pig-footed..... Chaeropus ecaudatus..... .....do..... .....do..... E 4 NA NA
Bandicoot, rabbit..... Macrotis lagotis..... .....do..... .....do..... E 4 NA NA
Banteng..... Bos javanicus (=banteng) Southeast Asia..... .....do..... E 3 NA NA
Bat, Bulmer's fruit (flying fox).... Aproteles bulmerae..... Papua New Guinea..... .....do..... E 139 NA NA
Bat, bumblebee..... Craseonycteris Thailand..... .....do..... E 139 NA NA
thonglongyai.
Bat, gray..... Myotis grisescens..... Central and .....do..... E 13 NA NA
southeastern U.S.A..
Bat, Hawaiian hoary..... Lasiurus cinereus U.S.A. (HI)..... .....do..... E 2 NA NA
semotus.
Bat, Indiana..... Myotis sodalis..... Eastern and Midwestern .....do..... E 1 17.95(a) NA
U.S.A.
Bat, lesser (=Sanborn's) long-nosed. Leptonycteris curasoae U.S.A. (AZ, NM), ...do..... E 336 NA NA
(=sanborni) yerbabuenae. Mexico, Central
America.
Bat, little Mariana fruit..... Pteropus tokudae..... Western Pacific Ocean-- .....do..... E 156 NA NA
U.S.A. (Guam).
Bat, Mariana fruit..... Pteropus mariannus Western Pacific Ocean-- Guam..... E 156 NA NA
mariannus. U.S.A. (Guam, Rota,
Tinian, Saipan,
Agiguan).
Bat, Mexican long-nosed..... Leptonycteris nivalis... U.S.A. (NM, TX), Entire..... E 336 NA NA
Mexico, Central
America.
Bat, Ozark big-eared..... Plecotus townsendii U.S.A. (MO, OK, AR).... .....do..... E 85 NA NA
ingens.
Bat, Rodrigues fruit (flying fox)... Pteropus rodricensis.... Indian Ocean--Rodrigues .....do..... E 139 NA NA
Island.
Bat, Singapore roundleaf horseshoe.. Hipposideros ridleyi.... Malaysia..... .....do..... E 139 NA NA
Bat, Virginia big-eared..... Plecotus townsendii U.S.A. (KY, NC, WV, VA) .....do..... E 85 17.95(a) NA
virginianus.

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Bear, American black..... Ursus americanus..... North America..... U.S.A. (LA, MS, TX)... T(S/A) 456 NA
17.40(i)
Bear, Baluchistan..... Ursus thibetanus Iran, Pakistan..... Entire..... E 233 NA NA
gedrosianus.
Bear, brown..... Ursus arctos arctos..... Palearctic..... Italy..... E 15, 15A NA NA
Do..... Ursus arctos pruinosus.. China (Tibet)..... Entire..... E 15 NA NA
Bear, grizzly (=brown)..... Ursus arctos..... Holarctic..... U.S.A., conterminous T 1, 2D, 9 NA 17.40(b)
(lower 48) States.
Bear, Louisiana black..... Ursus americanus U.S.A. (LA, MS, TX).... Entire..... T 456 NA 17.40(i)
luteolus.
Bear, Mexican grizzly..... Ursus arctos (=U. a. Holarctic..... Mexico..... E 3 NA NA
nelsoni).
Beaver..... Castor fiber birulai.... Mongolia..... Entire..... E 15 NA NA
Bison, wood..... Bison bison athabascae.. Canada, northwestern Canada..... E 3 NA NA
U.S.A.
Bobcat..... Felis rufus escuinapae.. Central Mexico..... Entire..... E 15 NA NA
Bontebok (antelope)..... Damaliscus dorcas dorcas South Africa..... .....do..... E 15 NA NA
Camel, Bactrian..... Camelus bactrianus Mongolia, China..... .....do..... E 15 NA NA
(=ferus).
Caribou, woodland..... Rangifer tarandus U.S.A. (AK, ID, ME, MI, U.S.A. (ID, WA), E 128E, NA NA
caribou. MN, MT, NH, VT, WA, Canada (that part of 136E,
WI), Canada. S.E. British Columbia 143
bounded by the U.S.-
Can. border, Columbia

R., Kootenay R., Kootenay L., and Kootenai R.).

Cat, Andean..... Felis jacobita..... Chile, Peru, Bolivia, Argentina. Entire..... E 15 NA NA

Cat, black-footed..... Felis nigripes..... Southern Africa..... .....do..... E 15 NA NA

Cat, flat-headed..... Felis planiceps..... Malaysia, Indonesia.... .....do..... E 15 NA NA

Cat, Iriomote..... Felis (Mayailurus) iriomotensis. Japan (Iriomote Island, Ryukyu Islands). .....do..... E 50 NA NA

Cat, leopard..... Felis bengalensis bengalensis. India, Southeast Asia.. .....do..... E 15 NA NA

Cat, marbled..... Felis marmorata..... Nepal, Southeast Asia, Indonesia. .....do..... E 15 NA NA

Cat, Pakistan sand..... Felis margarita scheffeli. Pakistan..... .....do..... E 139 NA NA

Cat, Temminck's (=golden cat)..... Felis temmincki..... Nepal, China, Southeast Asia, Indonesia (Sumatra). .....do..... E 15 NA NA

Cat, tiger..... Felis tigrinus..... Costa Rica to northern Argentina. .....do..... E 5 NA NA

Chamois, Apennine..... Rupicapra rupicapra ornata. Italy..... .....do..... E 15 NA NA

Cheetah..... Acinonyx jubatus..... Africa to India..... .....do..... E 3, 5 NA NA

Chimpanzee, pygmy..... Pan paniscus..... Zaire..... .....do..... E 16, 376 NA NA

Chimpanzee..... Pan troglodytes..... Africa-see 17.40(c)(3). Wherever found in wild. E 16, 376 NA NA

Do..... .....do..... .....do..... Wherever found in captivity. T 16, 376 NA 17.40(c)

Chinchilla..... Chinchilla brevicaudata boliviana. Bolivia..... Entire..... E 15 NA NA

Civet, Malabar large-spotted..... Viverra megaspila civettina. India..... .....do..... E 50 NA NA

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Cochito (=Gulf of California harbor porpoise). Phocoena sinus..... Mexico (Gulf of California). .....do..... E 169 NA NA

Cougar, eastern..... Felis concolor couguar.. Eastern North America.. .....do..... E 6 NA NA

Deer, Bactrian..... Cervus elaphus bactrianus. Tajikistan, Uzbekistan, Afghanistan. .....do..... E 50 NA NA

Deer, Barbary..... Cervus elaphus barbarus. Morocco, Tunisia, Algeria. .....do..... E 50 NA NA

Deer, Bawean..... Axis (=Cervus) porcinus kuhli. Indonesia..... .....do..... E 3 NA NA

Deer, Cedros Island mule..... Odocoileus hemionus cedrosensis. Mexico (Cedros Island). .....do..... E 10 NA NA

Deer, Columbian white-tailed..... Odocoileus virginianus leucurus. U.S.A. (WA, OR)..... .....do..... E 1 NA NA

Deer, Corsican red..... Cervus elaphus corsicanus. Corsica, Sardinia..... .....do..... E 50 NA NA

Deer, Eld's brow-antlered..... Cervus eldi..... India to Southeast Asia .....do..... E 3 NA NA

Deer, Formosan sika..... Cervus nippon taiouanus. Taiwan..... .....do..... E 50 NA NA

Deer, hog..... Axis (=Cervus) porcinus annamiticus. Thailand, Indochina.... .....do..... E 15 NA NA

Deer, key..... Odocoileus virginianus clavium. U.S.A. (FL)..... .....do..... E 1 NA NA

Deer, marsh..... Blastocerus dichotomus.. Argentina, Uruguay, Paraguay, Bolivia, Brazil. .....do..... E 3 NA NA

Deer, McNeill's..... Cervus elaphus macneilii China (Sinkiang, Tibet) .....do..... E 3 NA NA

Deer, musk..... Moschus spp. (all species). Central and eastern Asia. Afghanistan, Bhutan, Burma, China (Tibet, Yunnan), India, Nepal, Pakistan, Sikkim. E 15 NA NA

Deer, North China sika..... Cervus nippon mandarinus Chihli Provinces). China (Shantung and Entire..... E 50 NA NA

Deer, pampas..... Ozotoceros bezoarticus.. Brazil, Argentina, ...do..... E 15 NA NA

		Uruguay, Bolivia, Paraguay.					
Deer, Persian fallow	Dama dama mesopotamica	Iraq, Iran	do	E	3	NA	NA
Deer, Philippine	Axis (=Cervus) porcinus calamianensis.	Philippines (Calamian Islands).	do	E	15	NA	NA
Deer, Ryukyu sika	Cervus nippon keramae	Japan (Ryukyu Islands).	do	E	50	NA	NA
Deer, Shansi sika	Cervus nippon grassianus	China (Shansi Province)	do	E	50	NA	NA
Deer, South China sika	Cervus nippon kopschi	Southern China	do	E	50	NA	NA
Deer, swamp (=barasingha)	Cervus duvauceli	India, Nepal	do	E	3	NA	NA
Deer, Visayan	Cervus alfredi	Philippines	do	E	320	NA	NA
Deer, Yarkand	Cervus elaphus yarkandensis.	China (Sinkiang)	do	E	50	NA	NA
Dhole (=Asiatic wild dog)	Cuon alpinus	C.I.S., Korea, China, India, Southeast Asia.	do	E	3	NA	NA
Dibbler	Antechinus apicalis	Australia	do	E	4	NA	NA
Dog, African wild	Lycaon pictus	Sub-Saharan Africa	do	E	139	NA	NA
Dolphin, Chinese river (=whitefin)	Lipotes vexillifer	China	do	E	350	NA	NA
Dolphin, Indus River	Platanista minor	Pakistan (Indus R. and tributaries).	do	E	417	NA	NA
Drill	Papio leucophaeus	Equatorial West Africa.	do	E	16	NA	NA
Dugong	Dugong dugon	East Africa to southern Japan, Indo-West Pacific.	Entire, except Palau	E	4	NA	NA
Duiker, Jentink's	Cephalophus jentinki	Sierra Leone, Liberia, Ivory Coast.	Entire	E	50	NA	NA
Eland, western giant	Taurotragus derbianus derbianus.	Senegal to Ivory Coast.	do	E	50	NA	NA
Elephant, African	Loxodonta africana	Africa	do	T	40	NA	17.40(e)
Elephant, Asian	Elephas maximus	South-central and southeastern Asia.	do	E	15	NA	NA

Ferret, black-footed	Mustela nigripes	Western U.S.A., western Canada.	Entire, except where listed as an experimental population below.	E	1, 3, 433, 545, 546, 582	NA	NA
Do	do	do	U.S.A. (specific portions of MT, SD, WY, and AZ, see 17.84(g)).	XN	433, 545, 546, 582	NA	17.84(g)
Fox, northern swift	Vulpes velox hebes	U.S.A. (northern plains), Canada.	Canada	E	3	NA	NA
Fox, San Joaquin kit	Vulpes macrotis mutica	U.S.A. (CA)	Entire	E	1	NA	NA
Fox, Simien	Canis (Simenia) simensis	Ethiopia	do	E	50	NA	NA
Gazelle, Arabian	Gazella gazella	Arabian Peninsula, Palestine, Sinai.	do	E	50	NA	NA
Gazelle, Clark's (=Dibatag)	Ammodorcas clarkei	Somalia, Ethiopia	do	E	3	NA	NA
Gazelle, Cuvier's	Gazella cuvieri	Morocco, Algeria, Tunisia.	do	E	3	NA	NA
Gazelle, Mhorr	Gazella dama mhorr	Morocco	do	E	3	NA	NA
Gazelle, Moroccan (=Dorcas)	Gazella dorcas massaesyla.	Morocco, Algeria, Tunisia.	do	E	3	NA	NA
Gazelle, Pelzeln's	Gazella dorcas pelzelni	Somalia	do	E	50	NA	NA
Gazelle, Rio de Oro Dama	Gazella dama lozanoi	Western Sahara	do	E	3	NA	NA
Gazelle, sand	Gazella subgutturosa marica.	Jordan, Arabian Peninsula.	do	E	50	NA	NA
Gazelle, Saudi Arabian	Gazella dorcas saudiya	Israel, Iraq, Jordan, Syria, Arabian Peninsula.	do	E	50	NA	NA
Gazelle, slender-horned (=Rhim)	Gazella leptoceros	Sudan, Egypt, Algeria, Libya.	do	E	3	NA	NA
Gibbons	Hylobates spp. (including Nomascus).	China, India, Southeast Asia.	do	E	3, 15	NA	NA
Goat, wild (=Chiltan markhor)	Capra aegagrus (=falconeri) chiltanensis.	Southwestern Asia	Chiltan Range of west-central Pakistan.	E	15	NA	NA

Goral..... Nemorhaedus goral..... East Asia..... Entire..... E 15 NA NA
Gorilla..... Gorilla gorilla..... Central and western Africa. .....do..... E 3 NA NA
Hare, hispid..... Caprolagus hispidus..... India, Nepal, Bhutan... .....do..... E 15 NA NA
Hartebeest, Swayne's..... Alcelaphus buselaphus swaynei. Ethiopia, Somalia..... .....do..... E 3, 50 NA NA
Hartebeest, Tora..... Alcelaphus buselaphus tora. Ethiopia, Sudan, Egypt. .....do..... E 50 NA NA
Hog, pygmy..... Sus salvanius..... India, Nepal, Bhutan, Sikkim. .....do..... E 3 NA NA
Horse, Przewalski's..... Equus przewalskii..... Mongolia, China..... .....do..... E 15 NA NA
Huemul, north Andean..... Hippocamelus antisensis. Ecuador, Peru, Chile, Bolivia, Argentina. .....do..... E 15 NA NA
Huemul, South Andean..... Hippocamelus bisulcus... Chile, Argentina..... .....do..... E 15 NA NA
Hutia, Cabrera's..... Capromys angelcabrerai.. Cuba..... .....do..... E 233 NA NA
Hutia, dwarf..... Capromys nana..... .....do..... .....do..... E 233 NA NA
Hutia, large-eared..... Capromys auritus..... .....do..... .....do..... E 233 NA NA
Hutia, little earth..... Capromys sanfelipensis.. .....do..... .....do..... E 233 NA NA
Hyena, Barbary..... Hyaena hyaena barbara... Morocco, Algeria, Tunisia. .....do..... E 3 NA NA
Hyena, brown..... Hyaena brunnea..... Southern Africa..... .....do..... E 3 NA NA
Ibex, Pyrenean..... Capra pyrenaica pyrenaica. Spain..... .....do..... E 3 NA NA
Ibex, Walia..... Capra walie..... Ethiopia..... .....do..... E 3 NA NA
Impala, black-faced..... Aepyceros melampus petersi. Namibia, Angola..... .....do..... E 3 NA NA

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Indri..... Indri indri(=entire genus). (=Madagascar). Malagasy Republic .....do..... E 3 NA NA
Jaguar..... Panthera onca..... U.S.A. (AZ, NM, TX), Central and South America. Mexico southward..... E 5 NA NA
Jaguarundi..... Felis yagouaroundi cacomitli. U.S.A. (TX), Mexico.... Entire..... E 15 NA NA
Do..... Felis yagouaroundi fossata. Mexico, Nicaragua..... .....do..... E 15 NA NA
Do..... Felis yagouaroundi panamensis. Nicaragua, Costa Rica, Panama. .....do..... E 15 NA NA
Do..... Felis yagouaroundi tolteca. U.S.A. (AZ), Mexico.... .....do..... E 15 NA NA
Kangaroo rat, Fresno..... Dipodomys nitratoides exilis. U.S.A. (CA)..... .....do..... E 170 17.95(a) NA
Kangaroo rat, giant..... Dipodomys ingens..... .....do..... .....do..... E 251 NA NA
Kangaroo rat, Morro Bay..... Dipodomys heermanni morroensis. .....do..... .....do..... E 2 17.95(a) NA
Kangaroo rat, Stephens'..... Dipodomys stephensi (incl. D. cascus). .....do..... .....do..... E 338 NA NA
Kangaroo rat, Tipton..... Dipodomys nitratoides nitratoides. .....do..... .....do..... E 312 NA NA
Kangaroo, Tasmanian forester..... Macropus giganteus tasmaniensis. Australia (Tasmania)... .....do..... E 6 NA NA
Kouprey..... Bos sauveli..... Vietnam, Laos, Cambodia, Thailand. .....do..... E 3 NA NA
Langur, capped..... Presbytis pileata..... India, Burma, Bangladesh. .....do..... E 15 NA NA
Langur, Douc..... Pygathrix nemaeus..... Cambodia, Laos, Vietnam .....do..... E 3 NA NA
Langur, entellus..... Presbytis entellus..... China (Tibet), India, Pakistan, Kashmir, Sri Lanka, Sikkim, Bangladesh. .....do..... E 15 NA NA
Langur, Francois'..... Presbytis francoisi..... China (Kwangsi), Indochina. .....do..... E 16 NA NA
Langur, golden..... Presbytis geei..... India (Assam), Bhutan.. .....do..... E 15 NA NA
Langur, long-tailed..... Presbytis potenziani.... Indonesia..... .....do..... T 16 NA 17.40(c)
Langur, Pagi Island..... Nasalis (Simias) concolor. .....do..... .....do..... E 3 NA NA

Langur, purple-faced..... Presbytis senex..... Sri Lanka..... .....do..... T 16 NA 17.40(c)
Lechwe, red..... Kobus leche..... Southern Africa..... .....do..... T 3, 15, 106 NA NA
Lemurs..... Lemuridae (incl. genera Lemur, Phaner, Hapalemur, Lepilemur, Microcebus, Allocebus, Cheirogaleus, Varecia. Malagasy Republic (=Madagascar). .....do..... E 3, 15, 15A NA NA
Leopard, clouded..... Neofelis nebulosa..... Southeastern and south-central Asia, Taiwan. .....do..... E 3, 15 NA NA
Leopard, snow..... Panthera uncia..... Central Asia..... .....do..... E 5 NA NA
Leopard..... Panthera pardus..... Africa, Asia..... Wherever found, except where it is listed as Threatened as set forth below. E 3, 5, 114 NA NA
Do..... .....do..... .....do..... In Africa, in the wild, south of, and including, the following countries: Gabon, Congo, Zaire, Uganda, Kenya. T 3, 5, 114 NA 17.40(f)
Linsang, spotted..... Prionodon pardicolor.... Nepal, Assam, Vietnam, Cambodia, Laos, Burma. Entire..... E 15 NA NA
Lion, Asiatic..... Panthera leo persica.... Turkey to India..... .....do..... E 3 NA NA
Lion, mountain..... Felis concolor (all subsp. except coryi). Canada to South America U.S.A. (FL)..... T(S/A) 432 NA 17.40(h)

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Loris, lesser slow..... Nycticebus pygmaeus..... Indochina..... Entire..... T 16 NA 17.40(c)
Lynx, Spanish..... Felis (=Lynx) pardina... Spain, Portugal..... .....do..... E 3 NA NA
Macaque, Formosan rock..... Macaca cyclopis..... Taiwan..... .....do..... T 16 NA 17.40(c)
Macaque, Japanese..... Macaca fuscata..... Japan (Shikoku, Kyushu and Honshu Islands). .....do..... T 16 NA 17.40(c)
Macaque, lion-tailed..... Macaca silenus..... India..... .....do..... E 3 NA NA
Macaque, stump-tailed..... Macaca arctoides..... India (Assam) to southern China. .....do..... T 16 NA 17.40(c)
Macaque, Toque..... Macaca sinica..... Sri Lanka..... .....do..... T 16 NA 17.40(c)
Manatee, Amazonian..... Trichechus inunguis..... South America (Amazon R. basin). .....do..... E 3 NA NA
Manatee, West African..... Trichechus senegalensis. West Coast of Africa from Senegal R. to Cuanza R.. .....do..... T 52 NA NA
Manatee, West Indian (=Florida)..... Trichechus manatus..... U.S.A. (southeastern), Caribbean Sea, South America. .....do..... E 1, 3 17.95(a) 17.108 (a)
Mandrill..... Papio sphinx..... Equatorial West Africa. .....do..... E 16 NA NA
Mangabey, Tana River..... Cercocebus galeritus.... Kenya..... .....do..... E 3 NA NA
Mangabey, white-collared..... Cercocebus torquatus.... Senegal to Ghana; Nigeria to Gabon. .....do..... E 16 NA NA
Margay..... Felis wiedii..... U.S.A. (TX), Central and South America. Mexico southward..... E 5 NA NA
Markhor, Kabal..... Capra falconeri megaceros. Afghanistan, Pakistan.. Entire..... E 15 NA NA
Markhor, straight-horned..... Capra falconeri jerdoni. .....do..... .....do..... E 15 NA NA
Marmoset, buff-headed..... Callithrix flaviceps.... Brazil..... .....do..... E 139 NA NA
Marmoset, buffy tufted-ear..... Callithrix jacchus aurita. .....do..... .....do..... E 233 NA NA
Marmoset, cotton-top..... Saguinus oedipus..... Costa Rica to Colombia. .....do..... E 16 NA NA
Marmoset, Goeldi's..... Callimico goeldii..... Brazil, Colombia, Ecuador, Peru, Bolivia. .....do..... E 3 NA NA
Marmot, Vancouver Island..... Marmota vancouverensis.. Canada (Vancouver Island). .....do..... E 139 NA NA
Marsupial, eastern jerboa..... Antechinomys laniger.... Australia..... .....do..... E 4 NA NA
Marsupial-mouse, large desert..... Sminthopsis psammophila. .....do..... .....do..... E 4 NA NA
Marsupial-mouse, long-tailed..... Sminthopsis longicaudata .....do..... .....do..... E 4 NA NA
Marten, Formosan yellow-throated.... Martes flavigula Taiwan..... .....do..... E 3 NA NA

chrysospila.
Monkey (=langur), Guizhou snub-nosed Rhinopithecus China..... .....do..... E 400 NA NA
(=Pygathrix) brelichi.
Monkey (=langur), Sichuan snub-nosed Rhinopithecus .....do..... .....do..... E 400 NA NA
(=Pygathrix) roxellana.
Monkey (=langur), Tonkin snub-nosed. Rhinopithecus Vietnam..... .....do..... E 16, 400 NA NA
(=Pygathrix) avunculus.
Monkey (=langur), Yunnan snub-nosed. Rhinopithecus China..... .....do..... E 400 NA NA
(=Pygathrix) bieti.
Monkey, black colobus..... Colobus satanas..... Equatorial Guinea, ...do..... E 16 NA NA
People's Republic of
Congo, Cameroon, Gabon.
Monkey, black howler..... Alouatta pigra..... Mexico, Guatemala, ...do..... T 16 NA 17.40(c)
Belize.
Monkey, Diana..... Cercopithecus diana..... Coastal West Africa.... .....do..... E 16 NA NA
Monkey, howler..... Alouatta palliata Mexico to South America .....do..... E 15 NA NA
(=villosa).
Monkey, L'hoest's..... Cercopithecus lhoesti... Upper eastern Congo R. .....do..... E 16 NA NA
Basin, Cameroon.
Monkey, Preuss' red colobus..... Colobus badius preussi.. Cameroon..... .....do..... E 139 NA NA
Monkey, proboscis..... Nasalis larvatus..... Borneo..... .....do..... E 15 NA NA
Monkey, red-backed squirrel..... Saimiri oerstedii..... Costa Rica, Panama..... .....do..... E 3 NA NA
Monkey, red-bellied..... Cercopithecus Western Nigeria..... .....do..... E 16 NA NA
erythrogaster.
Monkey, red-eared nose-spotted..... Cercopithecus erythrotis Nigeria, Cameroon, ...do..... E 16 NA NA
Fernando Po.

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Monkey, spider..... Ateles geoffroyi Costa Rica, Nicaragua.. .....do..... E 3 NA NA
frontatus.
Do..... Ateles geoffroyl Costa Rica, Panama..... .....do..... E 3 NA NA
panamensis.
Monkey, Tana River red colobus..... Colobus rufomitratus Kenya..... .....do..... E 3 NA NA
(=badius) rufomitratus.
Monkey, woolly spider..... Brachyteles arachnoides. Brazil..... .....do..... E 3 NA NA
Monkey, yellow-tailed woolly..... Lagothrix flavicauda.... Andes of northern Peru. .....do..... E 16 NA NA
Monkey, Zanzibar red colobus..... Colobus kirki..... Tanzania..... .....do..... E 3 NA NA
Mountain beaver, Point Arena..... Aplodontia rufa nigra... U.S.A. (CA)..... .....do..... E 454 NA NA
Mouse, Alabama beach..... Peromyscus polionotus U.S.A. (AL)..... .....do..... E 183 17.95(a) NA
ammobates.
Mouse, Anastasia Island beach..... Peromyscus polionotus U.S.A. (FL)..... .....do..... E 349 NA NA
phasma.
Mouse, Australian native..... Notomys aquilo..... Australia..... .....do..... E 15 NA NA
Do..... Zyzomys (=Notomys) .....do..... .....do..... E 15 NA NA
pedunculatus.
Mouse, Choctawahatchee beach..... Peromyscus polionotus U.S.A. (FL)..... .....do..... E 183 17.95(a) NA
allophrys.
Mouse, Field's..... Pseudomys fieldi..... Australia..... .....do..... E 4 NA NA
Mouse, Gould's..... Pseudomys gouldii..... .....do..... .....do..... E 6 NA NA
Mouse, Key Largo cotton..... Peromyscus gossypinus U.S.A. (FL)..... .....do..... E 131E, NA NA
allapaticola. 160
Mouse, New Holland..... Pseudomys Australia..... .....do..... E 4 NA NA
novaehollandiae.
Mouse, Pacific pocket..... Perognathus longimembris U.S.A. (CA)..... .....do..... E 526E, NA NA
pacificus. 554
Mouse, Perdido Key beach..... Peromyscus polionotus U.S.A. (AL, FL)..... .....do..... E 183 17.95(a) NA
trissyllepsis.
Mouse, salt marsh harvest..... Reithrodontomys U.S.A. (CA)..... .....do..... E 2 NA NA
raviventris.
Mouse, Shark Bay..... Pseudomys praeconis..... Australia..... .....do..... E 4 NA NA
Mouse, Shortridge's..... Pseudomys shortridgei... .....do..... .....do..... E 4 NA NA
Mouse, Smoky..... Pseudomys fumeus..... .....do..... .....do..... E 4 NA NA
Mouse, southeastern beach..... Peromyscus polionotus U.S.A. (FL)..... .....do..... T 349 NA NA
niveiventris.
Mouse, western..... Pseudomys occidentalis.. Australia..... .....do..... E 4 NA NA
Muntjac, Fea's..... Muntiacus feae..... Northern Thailand, ...do..... E 50 NA NA
Burma.

Native-cat, eastern	Dasyurus viverrinus	Australia	do	E	6	NA	NA
Numbat	Myrmecobius fasciatus	do	do	E	4, 6	NA	NA
Ocelot	Felis pardalis	U.S.A. (AZ, TX) to Central and South America.	do	E	5, 119	NA	NA
Orangutan	Pongo pygmaeus	Borneo, Sumatra	do	E	3	NA	NA
Oryx, Arabian	Oryx leucoryx	Arabian Peninsula	do	E	3	NA	NA
Otter, Cameroon clawless	Aonyx (Paraonyx) congica microdon.	Cameroon, Nigeria	do	E	3	NA	NA
Otter, giant	Pteronura brasiliensis	South America	do	E	3	NA	NA
Otter, long-tailed	Lutra longicaudis (incl. platensis).	do	do	E	3, 15	NA	NA
Otter, marine	Lutra felina	Peru south to Straits of Magellan.	do	E	15	NA	NA
Otter, southern river	Lutra provocax	Chile, Argentina	do	E	15	NA	NA
Otter, southern sea	Enhydra lutris nereis	West Coast, U.S.A. (CA, OR, WA) south to Mexico (Baja California).	Entire, except where listed below.	T	21, 284	NA	NA

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Do	do	do	All areas subject to U.S. jurisdiction south of Pt. Conception, CA (3426.9 N. Lat.) [Note--status governed by Pub. L. 99-625, 100 Stat. 3500.].	XN	21, 284	NA	17.84(d)
Panda, giant	Ailuropoda melanoleuca	China	Entire	E	139	NA	NA
Pangolin (=scaly anteater)	Manis temmincki	Africa	do	E	15	NA	NA
Panther, Florida	Felis concolor coryi	U.S.A. (LA and AR east to SC and FL).	do	E	1	NA	NA
Planigale, little	Planigale ingrami subtilissima.	Australia	do	E	4	NA	NA
Planigale, southern	Planigale tenuirostris	do	do	E	4	NA	NA
Porcupine, thin-spined	Chaetomys subspinosus	Brazil	do	E	3	NA	NA
Possum, Leadbeater's	Gymnobelideus leadbeateri.	do	do	E	233	NA	NA
Possum, mountain pygmy	Burramys parvus	Australia	do	E	4	NA	NA
Possum, scaly-tailed	Wyulda squamicaudata	do	do	E	4	NA	NA
Prairie dog, Mexican	Cynomys mexicanus	Mexico	do	E	3	NA	NA
Prairie dog, Utah	Cynomys parvidens	U.S.A. (UT)	do	T	6, 149	NA	17.40(g)
Pronghorn, peninsular	Antilocapra americana peninsularis.	Mexico (Baja California).	do	E	10	NA	NA
Pronghorn, Sonoran	Antilocapra americana sonoriensis.	U.S.A. (AZ), Mexico	do	E	1, 3	NA	NA
Pudu	Pudu pudu	Southern South America	do	E	15	NA	NA
Puma, Costa Rican	Felis concolor costaricensis.	Nicaragua, Panama, Costa Rica.	do	E	15	NA	NA
Quokka	Setonix brachyurus	Australia	do	E	6	NA	NA
Rabbit, Lower Keys	Sylvilagus palustris hefneri.	U.S.A. (FL)	do	E	390	NA	NA
Rabbit, Ryukyu	Pentalagus furnessi	Japan (Ryukyu Islands)	do	E	50	NA	NA
Rabbit, volcano	Romerolagus diazi	Mexico	do	E	3	NA	NA
Rat, false water	Xeromys myoides	Australia	do	E	4	NA	NA
Rat, stick-nest	Leporillus conditor	do	do	E	6	NA	NA
Rat-kangaroo, brush-tailed	Bettongia penicillata	do	do	E	4	NA	NA
Rat-kangaroo, Gaimard's	Bettongia gaimardi	do	do	E	6	NA	NA
Rat-kangaroo, Lesuer's	Bettongia lesueur	do	do	E	4	NA	NA
Rat-kangaroo, plain	Caloprymnus campestris	do	do	E	4	NA	NA
Rat-kangaroo, Queensland	Bettongia tropica	do	do	E	4	NA	NA
Rhinoceros, black	Diceros bicornis	Sub-Saharan Africa	do	E	97	NA	NA
Rhinoceros, great Indian	Rhinoceros unicornis	India, Nepal	do	E	4	NA	NA
Rhinoceros, Javan	Rhinoceros sondaicus	Indonesia, Indochina, Burma, Thailand,	do	E	3	NA	NA

		Sikkim, Bangladesh, Malaysia.					
Rhinoceros, northern white.....	Ceratotherium simum cottoni.	Zaire, Sudan, Uganda, Central African Republic.	.....do.....	E	3	NA	NA
Rhinoceros, Sumatran.....	Dicerorhinus (=Didermoceros) sumatrensis.	Bangladesh to Vietnam to Indonesia (Borneo).	.....do.....	E	3	NA	NA

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Rice rat (=silver rice rat).....	Oryzomys palustris natator (=O. argentatus).	U.S.A. (FL)..... Lower FL Keys (west of Seven Mile Bridge).		E	421	17.95(a)	NA
Saiga, Mongolian (antelope).....	Saiga tatarica mongolica	Mongolia.....	Entire.....	E	15	NA	NA
Saki, southern beared.....	Chiropotes satanas satanas.	Brazil.....	.....do.....	E	233	NA	NA
Saki, white-nosed.....	Chiropotes albinasus....	.....do.....	.....do.....	E	3	NA	NA
Sea-lion, Steller (=northern).....	Eumetopias jubatus.....	U.S.A. (AK, CA, OR, WA), Canada, Russia; North Pacific Ocean.	.....do.....	T	384E, 408	226.12	227.12
Seal, Caribbean monk.....	Monachus tropicalis.....	Caribbean Sea, Gulf of Mexico.	.....do.....	E	1, 2D, 45	NA	NA
Seal, guadalupe fur.....	Arctocephalus townsendi.	U.S.A. (Farallon Islands of CA) south to Mexico (Islas Revillagigedo).	.....do.....	T	1, 2D, 212	NA	227.11
Seal, Hawaiian monk.....	Monachus schauinslandi..	U.S.A. (HI).....	.....do.....	E	18	226.11	NA
Seal, Mediterranean monk.....	Monachus monachus.....	Mediterranean, Northwest African Coast and Black Sea.	.....do.....	E	3	NA	NA
Seal, Saimaa.....	Phoca hispida saimensis.	Finland (Lake Saimaa)..	.....do.....	E	508	NA	NA
Seledang (=Gaur).....	Bos gaurus.....	Bangladesh, Southeast Asia, India.	.....do.....	E	3	NA	NA
Serow.....	Capricornis sumatraensis	East Asia, Sumatra.....	.....do.....	E	15	NA	NA
Serval, Barbary.....	Felis serval constantina	Algeria.....	.....do.....	E	3	NA	NA
Shapo.....	Ovis vignei vignei.....	Kashmir.....	.....do.....	E	15	NA	NA
Shou.....	Cervus elaphus wallichi.	Tibet, Bhutan.....	.....do.....	E	3	NA	NA
Shrew, Dismal Swamp southeastern....	Sorex longirostris fisheri.	U.S.A. (VA, NC).....	.....do.....	T	246	NA	NA
Siamang.....	Symphalangus syndactylus	Malaysia, Indonesia....	.....do.....	E	15	NA	NA
Sifakas.....	Propithecus spp.....	Malagasy Republic (=Madagascar).	.....do.....	E	4	NA	NA
Sloth, Brazilian three-toed.....	Bradypus torquatus.....	Brazil.....	.....do.....	E	3	NA	NA
Solenodon, Cuban.....	Solenodon (Atopogale) cubanus.	Cuba.....	.....do.....	E	3	NA	NA
Solenodon, Haitian.....	Solenodon paradoxus.....	Dominican Republic, Haiti.	.....do.....	E	3	NA	NA
Squirrel, Carolina northern flying..	Glaucomys sabrinus coloratus.	U.S.A. (NC, TN).....	.....do.....	E	189	NA	NA
Squirrel, Delmarva Peninsula fox....	Sciurus niger cinereus..	U.S.A. (Delmarva Peninsula to southeastern PA).	Entire, except Sussex Co., DE.	E	1, 161, 168	NA	NA
Do.....	.....do.....	.....do.....	U.S.A. (DE--Sussex Co.).	XN	161	NA	17.84(a)
Squirrel, Mount Graham red.....	Tamiasciurus hudsonicus grahamensis.	U.S.A. (AZ).....	Entire.....	E	268	17.95(a)	NA
Squirrel, Virginia northern flying..	Glaucomys sabrinus fuscus.	U.S.A. (VA, WV).....	.....do.....	E	189	NA	NA
Stag, Barbary.....	Cervus elaphus barbarus.	Tunisia, Algeria.....	.....do.....	E	3	NA	NA
Stag, Kashmir.....	Cervus elaphus hanglu...	Kashmir.....	.....do.....	E	3	NA	NA
Suni, Zanzibar.....	Neotragus (Nesotragus) moschatus moschatus.	Zanzibar (and nearby islands).	.....do.....	E	50	NA	NA
Tahr, Arabian.....	Hemitragus jayakari.....	Oman.....	.....do.....	E	50	NA	NA
Tamaraw.....	Bubalus mindorensis.....	Philippines.....	.....do.....	E	4	NA	NA
Tamarin (=marmoset), golden-rumped (=golden-headed).	Leontopithecus (=Leontideus) spp..	Brazil.....	.....do.....	E	3	NA	NA

Tamarin, pied	Saguinus bicolor	.....do	.....do	E	16	NA	NA
Tamarin, white-footed	Saguinus leucopus	Colombia	.....do	T	16	NA	17.40(c)
Tapir, Asian	Tapirus indicus	Burma, Laos, Cambodia, Vietnam, Malaysia, Indonesia, Thailand.	.....do	E	15	NA	NA
Tapir, Brazilian	Tapirus terrestris	Colombia and Venezuela south to Paraguay and Argentina.	.....do	E	3	NA	NA

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Tapir, Central American	Tapirus bairdii	Southern Mexico to Colombia and Ecuador.	.....do	E	3	NA	NA
Tapir, mountain	Tapirus pinchaque	Colombia, Ecuador and possibly Peru and Venezuela.	.....do	E	3	NA	NA
Tarsier, Philippine	Tarsius syrichta	Philippines	.....do	T	16	NA	17.40(c)
Tiger, Tasmanian (=Thylacine)	Thylacinus cynocephalus.	Australia	.....do	E	3	NA	NA
Tiger	Panthera tigris	Temperate and tropical Asia.	.....do	E	3, 5	NA	NA
Uakari (all species)	Cacajao spp	Peru, Brazil, Ecuador, Colombia, Venezuela.	.....do	E	3	NA	NA
Urial	Ovis musimon (=orientalis) ophion.	Cyprus	.....do	E	15	NA	NA
Vicuna	Vicugna vicugna	South America (Andes)	.....do	E	3	NA	NA
Vole, Amargosa	Microtus californicus scirpensis.	U.S.A. (CA)	.....do	E	166	17.95(a)	NA
Vole, Florida salt marsh	Microtus pennsylvanicus dukecampbelli.	U.S.A. (FL)	.....do	E	415	NA	NA
Vole, Hualapai Mexican	Microtus mexicanus hualpaiensis.	U.S.A. (AZ)	.....do	E	292	NA	NA
Wallaby, banded hare	Lagostrophus fasciatus	Australia	.....do	E	4	NA	NA
Wallaby, brindled nail-tailed	Onychogalea fraenata	.....do	.....do	E	4	NA	NA
Wallaby, crescent nail-tailed	Onychogalea lunata	.....do	.....do	E	4	NA	NA
Wallaby, Parma	Macropus parma	.....do	.....do	E	4	NA	NA
Wallaby, western hare	Lagorchestes hirsutus	.....do	.....do	E	4	NA	NA
Wallaby, yellow-footed rock	Petrogale xanthopus	.....do	.....do	E	6	NA	NA
Whale, blue	Balaenoptera musculus	Oceanic	.....do	E	3	NA	NA
Whale, bowhead	Balaena mysticetus	Oceanic (north latitudes only).	.....do	E	3	NA	NA
Whale, finback	Balaenoptera physalus	Oceanic	.....do	E	3	NA	NA
Whale, gray	Eschrichtius robustus	North Pacific Ocean--coastal and Bering Sea, formerly North Atlantic Ocean.	Entire, except eastern North Pacific Ocean--coastal and Bering, Beaufort, and Chukchi Seas.	E	3, 540	NA	NA
Whale, humpback	Megaptera novaeangliae	Oceanic	Entire	E	3	NA	222.31
Whale, right	Balaena glacialis (incl. australis).	.....do	.....do	E	3	226.13	NA
Whale, Sei	Balaenoptera borealis	.....do	.....do	E	3	NA	NA
Whale, sperm	Physeter macrocephalus (=catodon).	.....do	.....do	E	3	NA	NA
Wolf, gray	Canis lupus	Holarctic	U.S.A., conterminous (lower 48) States, except MN and where listed as an experimental population.	E	1, 6, 13, 15, 35, 561, 562	17.95(a)	NA
Do	.....do	.....do	U.S.A. (MN)	T	35	17.95(a)	17.40(d)
Do	.....do	.....do	U.S.A. (WY and portions of ID and MT--see 17.84(i)).	XN	561, 562	NA	17.84(i)

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Wolf, maned	Chrysocyon brachyurus	Argentina, Bolivia, Brazil, Paraguay,	Entire	E	4	NA	NA

		Uruguay.					
Wolf, red	Canis rufus	U.S.A. (SE U.S.A., west to central TX).	Entire, except where listed as experimental populations below.	E	1, 248, 449, 579	NA	NA
Do	.....do	.....do	U.S.A. (portions of NC and TN--see 17.84(c)(9)).	XN	248, 449, 579	NA	17.84(c)
Wombat, hairy-nosed (=Barnard's and Queensland hairy-nosed.	Lasiorhinus krefftii (formerly L. barnardi and L. gillespiei).	Australia	Entire	E	4, 6	NA	NA
Woodrat, Key Largo	Neotoma floridana smalli	U.S.A. (FL)	.....do	E	131E, 160	NA	NA
Yak, wild	Bos grunniens mutus	China (Tibet), India	.....do	E	3	NA	NA
Zebra, Grevy's	Equus grevyi	Kenya, Ethiopia, Somalia.	.....do	T	54	NA	NA
Zebra, Hartmann's mountain	Equus zebra hartmannae	Namibia, Angola	.....do	T	54, 111	NA	NA
Zebra, mountain	Equus zebra zebra	South Africa	.....do	E	15, 111	NA	NA
Birds							
`Akepa, Hawaii (honeycreeper)	Loxops coccineus coccineus.	U.S.A. (HI)	.....do	E	2	NA	NA
`Akepa, Maui (honeycreeper)	Loxops coccineus ochraceus.	.....do	.....do	E	2	NA	NA
`Akialoa, Kauai (honeycreeper)	Hemignathus procerus	.....do	.....do	E	1	NA	NA
`Akiapola`au (honeycreeper)	Hemignathus munroi (=wilsoni).	.....do	.....do	E	1	NA	NA
Albatross, Amsterdam	Diomedia amsterdamensis	Indian Ocean--Amsterdam Island.	.....do	E	571	NA	NA
Albatross, short-tailed	Diomedea albatrus	North Pacific Ocean--Japan, Russia, U.S.A. (AK, CA, HI, OR, WA).	Entire, except U.S.A.	E	3	NA	NA
Alethe, Thyolo	Alethe choloensis	Malawi, Mozambique	Entire	E	571	NA	NA
Blackbird, yellow-shouldered	Agelaius xanthomus	U.S.A. (PR)	.....do	E	17	17.95(b)	NA
Bobwhite, masked (quail)	Colinus virginianus ridgwayi.	U.S.A. (AZ), Mexico (Sonora).	.....do	E	1, 3	NA	NA
Booby, Abbott's	Sula abbotti	Indian Ocean--Christmas Island.	.....do	E	15	NA	NA
Bristlebird, western rufous	Dasyornis broadbenti littoralis.	Australia	.....do	E	15	NA	NA
Bristlebird, western	Dasyornis brachypterus longirostris.	.....do	.....do	E	3	NA	NA
Broadbill, Guam	Myiagra freycineti	Western Pacific Ocean--U.S.A. (Guam).	.....do	E	156	NA	NA
Bulbul, Mauritius olivaceous	Hypsipetes borbonicus olivaceus.	Indian Ocean--Mauritius	.....do	E	3	NA	NA
Bullfinch, Sao Miguel (finch)	Pyrrhula pyrrhula murina	Eastern Atlantic Ocean--Azores.	.....do	E	3	NA	NA
Bush-shrike, Ulugura	Malaconotus alius	Tanzania	.....do	T	571	NA	NA
Bushwren, New Zealand	Xenicus longipes	New Zealand	.....do	E	3	NA	NA
Bustard, great Indian	Choriotis nigriceps	India, Pakistan	.....do	E	3	NA	NA
Cahow (=Bermuda petrel)	Pterodroma cahow	North Atlantic Ocean--Bermuda.	.....do	E	3	NA	NA
Caracara, Audubon's crested	Polyborus plancus audubonii.	U.S.A. (AZ, FL, LA, NM, TX) south to Panama; Cuba.	U.S.A. (FL)	T	280	NA	NA
Condor, Andean	Vultur gryphus	Colombia to Chile and Argentina.	Entire	E	4	NA	NA
Condor, California	Gymnogyps californianus	U.S.A. (AZ, CA, OR), Mexico (Baja California).	U.S.A. only	E	1	17.95(b)	NA
Coot, Hawaiian (=`alae-ke`oke`o)	Fulica americana alai	U.S.A. (HI)	Entire	E	2	NA	NA
Cotinga, banded	Cotinga maculata	Brazil	.....do	E	15	NA	NA
Cotinga, white-winged	Xipholena atropurpurea	.....do	.....do	E	15	NA	NA
Crane, black-necked	Grus nigricollis	China (Tibet)	.....do	E	15	NA	NA
Crane, Cuba sandhill	Grus canadensis nesiotes	West Indies--Cuba	.....do	E	15	NA	NA

Crane, hooded..... Grus monacha..... Japan, Russia..... .....do..... E 4 NA NA
Crane, Japanese..... Grus japonensis..... China, Japan, Korea, Russia. .....do..... E 3 NA NA
Crane, Mississippi sandhill..... Grus canadensis pulla... U.S.A. (MS)..... .....do..... E 6 17.95(b) NA
Crane, Siberian white..... Grus leucogeranus..... C.I.S. (Siberia) to India, including Iran and China. .....do..... E 4 NA NA
Crane, white-naped..... Grus vipio..... Mongolia..... .....do..... E 15 NA NA
Crane, whooping..... Grus americana..... Canada, U.S.A. (Rocky Mountains east to Carolinas), Mexico. Entire, except where listed as an experimental population. E 1, 3, 487 17.95(b) NA
Do..... .....do..... .....do..... U.S.A. (FL)..... XN 487 NA 17.84.(h)
Creeper, Hawaii..... Oreomystis (=Loxops) mana. U.S.A. (HI)..... Entire..... E 10 NA NA
Creeper, Molokai (=kakawahie)..... Paroreomyza (=Oreomystis, =Loxops) flammea. .....do..... .....do..... E 2 NA NA
Creeper, Oahu (=alauwahio)..... Paroreomyza (=Oreomystis, =Loxops) maculata. .....do..... .....do..... E 2 NA NA
Crow, Hawaiian (=`alala)..... Corvus hawaiiensis (=tropicus). .....do..... .....do..... E 1 NA NA
Crow, Mariana..... Corvus kubaryi..... Western Pacific Ocean--U.S.A. (Guam, Rota). .....do..... E 156 NA NA
Crow, white-necked..... Corvus leucognaphalus... U.S.A. (PR), Dominican Republic, Haiti. .....do..... E 419 NA NA
Cuckoo-shrike, Mauritius..... Coquus (=Coracina) typicus. Indian Ocean--Mauritius .....do..... E 3 NA NA
Cuckoo-shrike, Reunion..... Coquus (=Coracina) newtoni. Indian Ocean--Reunion.. .....do..... E 3 NA NA
Curassow, razor-billed..... Mitu (=Crax) mitu mitu.. Brazil (Eastern)..... .....do..... E 15 NA NA
Curassow, red-billed..... Crax blumenbachii..... Brazil..... .....do..... E 4 NA NA
Curassow, Trinidad white-headed..... Pipile pipile pipile.... West Indies--Trinidad.. .....do..... E 3 NA NA
Curlew, Eskimo..... Numenius borealis..... Alaska and northern Canada to Argentina. .....do..... E 1, 3 NA NA
Dove, cloven-feathered..... Drepanoptila holosericea Southwest Pacific Ocean--New Caledonia. .....do..... E 3 NA NA
Dove, Grenada gray-fronted..... Leptotila rufaxilla wellsi. West Indies--Grenada... .....do..... E 3 NA NA
Duck, Hawaiian (=koloa)..... Anas wyvilliana..... U.S.A. (HI)..... .....do..... E 1 NA NA
Duck, Laysan..... Anas laysanensis..... .....do..... .....do..... E 1 NA NA
Duck, pink-headed..... Rhodonessa caryophyllacea. India..... .....do..... E 15 NA NA
Duck, white-winged wood..... Cairina scutulata..... India, Malaysia, Indonesia, Thailand. .....do..... E 3 NA NA
Eagle, bald..... Haliaeetus leucocephalus North America south to northern Mexico. U.S.A. (conterminous (lower 48) States.. T 1, 34, 580 NA 17.41(a)
Eagle, Greenland white-tailed..... Haliaeetus albicilla groenlandicus. Greenland and adjacent Atlantic islands. Entire..... E 15 NA NA
Eagle, harpy..... Harpia harpyja..... Mexico south to Argentina. .....do..... E 15 NA NA
Eagle, Madagascar sea..... Haliaeetus vociferoides. Madagascar..... .....do..... E 571 NA NA
Eagle, Madagascar serpent..... Eutriorchis astur..... .....do..... .....do..... E 571 NA NA
Eagle, Philippine (=monkey-eating).. Pithecophaga jefferyi... Philippines..... .....do..... E 3 NA NA
Eagle, Spanish imperial..... Aquila heliaca adalberti Spain, Morocco, Algeria .....do..... E 3 NA NA
Egret, Chinese..... Egretta eulophotes..... China, Korea..... .....do..... E 3 NA NA

Eider, spectacled..... Somateria (=Arctonetta, =Lampronetta) fischeri. U.S.A. (AK), Russia.... .....do..... T 503 NA NA
Falcon, American peregrine..... Falco peregrinus anatum. Nests from central Alaska across north-central Canada to .....do..... E 2, 3, 145 17.95(b) NA

central Mexico,
winters to South
America.
Falcon, Eurasian peregrine..... Falco peregrinus Europe, Eurasia south .....do..... E 15 NA NA
peregrinus. to Africa and Mideast.
Falcon, northern aplomado..... Falco femoralis U.S.A. (AZ, NM, TX), ...do..... E 216 NA NA
septentrionalis. Mexico, Guatemala.
Falcon, peregrine..... Falco peregrinus..... Worldwide, except Wherever found in wild E(S/A) 145 NA NA
Antarctica and most in the conterminous
Pacific islands. (lower 48) States.
Finch, Laysan (honeycreeper)..... Telespyza U.S.A. (HI)..... Entire..... E 1 NA NA
(=Psittirostra) cantans.
Finch, Nihoa (honeycreeper)..... Telespyza .....do..... .....do..... E 1 NA NA
(=Psittirostra) ultima.
Flycatcher, Euler's..... Empidonax euleri West Indies--Grenada... .....do..... E 3 NA NA
johnstonei.
Flycatcher, Seychelles paradise..... Terpsiphone corvina..... Indian Ocean-- .....do..... E 3 NA NA
Seychelles.
Flycatcher, southwestern willow..... Empidonax traillii U.S.A. (AZ, CA, CO, NM, ...do..... E 577 NA NA
extimus. TX, UT), Mexico..
Flycatcher, Tahiti..... Pomarea nigra..... South Pacific Ocean-- .....do..... E 3 NA NA
Tahiti.
Fody, Mauritius..... Foudia rubra..... Indian Ocean--Mauritius .....do..... E 571 NA NA
Fody, Rodrigues..... Foudia flavicans..... Indian Ocean--Rodrigues .....do..... E 571 NA NA
Island (Mauritius).
Fody, Seychelles (weaver-finch)..... Foudia sechellarum..... Indian Ocean-- .....do..... E 3 NA NA
Seychelles.
Francolin, Djibouti..... Francolinus ochropectus. Djibouti..... .....do..... E 571 NA NA
Frigatebird, Andrew's..... Fregata andrewsi..... East Indian Ocean..... .....do..... E 15 NA NA
Gnatcatcher, coastal California..... Polioptila californica U.S.A. (CA), Mexico.... .....do..... T 496 NA NA
californica.
Goose, Aleutian Canada..... Branta canadensis U.S.A. (AK, CA, OR, ...do..... T 1, 3, NA NA
leucopareia. WA), Japan. 410
Goose, Hawaiian (=nene)..... Nesochen (=Branta) U.S.A. (HI)..... .....do..... E 1 NA NA
sandvicensis.
Goshawk, Christmas Island..... Accipiter fasciatus Indian Ocean--Christmas .....do..... E 3 NA NA
natalis. Island.
Grackle, slender-billed..... Quisicalus (=Cassidix) Mexico..... .....do..... E 3 NA NA
palustris.
Grasswren, Eyrean (flycatcher)..... Amytornis goyderi..... Australia..... .....do..... E 3 NA NA
Grebe, Alaotra..... Tachybaptus rufoflavatus Madagascar..... .....do..... E 571 NA NA
Grebe, Atitlan..... Podilymbus gigas..... Guatemala..... .....do..... E 3 NA NA
Greenshank, Nordmann's..... Tringa guttifer..... Russia, Japan, south to .....do..... E 15 NA NA
Malaya, Borneo.
Guan, horned..... Oreophasis derbianus.... Guatemala, Mexico..... .....do..... E 3 NA NA
Guan, white-winged..... Penelope albipennis..... Peru..... .....do..... E 401 NA NA
Guineafowl, white-breasted..... Agelastes meleagrides... West Africa..... .....do..... T 571 NA NA
Gull, Audouin's..... Larus audouinii..... Mediterranean Sea..... .....do..... E 3 NA NA
Gull, relict..... Larus relictus..... India, China..... .....do..... E 15 NA NA
Hawk, Anjouan Island sparrow..... Accipiter francesii Indian Ocean--Comoro .....do..... E 3 NA NA
pusillus. Islands.
Hawk, Galapagos..... Buteo galapagoensis..... Ecuador (Galapagos .....do..... E 3 NA NA
Islands).
Hawk, Hawaiian (=io)..... Buteo solitarius..... U.S.A. (HI)..... .....do..... E 1 NA NA
Hawk, Puerto Rican broad-winged..... Buteo platypterus U.S.A. (PR)..... .....do..... E 550 NA NA
brunnescens.
Hawk, Puerto Rican sharp-shinned.... Accipiter striatus .....do..... .....do..... E 550 NA NA
venator.
Hermit, hook-billed (hummingbird)... Glaucis (=Ramphodon) Brazil..... .....do..... E 15 NA NA
dohrnii.
Honeycreeper, crested (=`akohekohe). Palmeria dolei..... U.S.A. (HI)..... .....do..... E 1 NA NA
Honeyeater, helmeted..... Meliphaga cassidix..... Australia..... .....do..... E 4 NA NA

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Hornbill, helmeted..... Rhinoplax vigil..... Thailand, Malaysia..... .....do..... E 15 NA NA
Ibis, Japanese crested..... Nipponia nippon..... China, Japan, Russia, ...do..... E 3 NA NA
Korea.

Ibis, northern bald..... Geronticus eremita..... Southern Europe, southwestern Asia, northern Africa. .....do..... E 401 NA NA
Jay, Florida scrub..... Aphelocoma coerulescens. U.S.A. (FL)..... .....do..... T 267 NA NA
Kagu..... Rhynochetos jubatus..... South Pacific Ocean--New Caledonia. .....do..... E 3 NA NA
Kakapo (=owl-parrot)..... Strigops habroptilus.... New Zealand..... .....do..... E 3 NA NA
Kestrel, Mauritius..... Falco punctatus..... Indian Ocean--Mauritius .....do..... E 3 NA NA
Kestrel, Seychelles..... Falco araea..... Indian Ocean--Seychelles Islands. .....do..... E 3 NA NA
Kingfisher, Guam Micronesia..... Halcyon cinnamomina cinnamomina. West Pacific Ocean--U.S.A. (Guam). .....do..... E 156 NA NA
Kite, Cuba hook-billed..... Chondrohierax uncinatus wilsonii. West Indies--Cuba..... .....do..... E 3 NA NA
Kite, Everglade snail..... Rostrhamus sociabilis plumbeus. U.S.A. (FL), Cuba..... U.S.A. (FL)..... E 1 17.95(b) NA
Kite, Grenada hook-billed..... Chondrohierax uncinatus mirus. West Indies--Grenada... Entire..... E 3 NA NA
Kokako (wattlebird)..... Callaeas cinerea..... New Zealand..... .....do..... E 3 NA NA
Lark, Raso..... Alauda razae..... Atlantic Ocean--Raso Island (Cape Verde). .....do..... E 571 NA NA
Macaw, glaucous..... Anodorhynchus glaucus... Paraguay, Uruguay, Brazil. .....do..... E 15 NA NA
Macaw, indigo..... Anodorhynchus leari..... Brazil..... .....do..... E 15 NA NA
Macaw, little blue..... Cyanopsitta spixii..... .....do..... .....do..... E 15 NA NA
Magpie-robin, Seychelles (thrush)... Copsychus sechellarum... Indian Ocean--Seychelles Islands. .....do..... E 3 NA NA
Malimbe, Ibadan..... Malimbus ibadanensis.... Nigeria..... .....do..... E 571 NA NA
Malkoha, red-faced (cuckoo)..... Phaenicophaeus pyrrhocephalus. Sri Lanka (=Ceylon).... .....do..... E 3 NA NA
Mallard, Mariana..... Anas oustaleti..... West Pacific Ocean--U.S.A. (Guam, Mariana Islands). .....do..... E 23 NA NA
Megapode, Maleo..... Macrocephalon maleo..... Indonesia (Celebes).... .....do..... E 3 NA NA
Megapode, Micronesian (=La Perouse's). Megapodius laperouse.... West Pacific Ocean--Palau Islands, U.S.A. (Mariana Islands). .....do..... E 3 NA NA
Millerbird, Nihoa (old world warbler). Acrocephalus familiaris kingi. U.S.A. (HI)..... .....do..... E 1 NA NA
Monarch, Tinian (old world flycatcher). Monarcha takatsukasae... West Pacific Ocean--U.S.A. (Mariana Islands). .....do..... T 3, 261 NA NA
Moorhen (=gallinule), Hawaiian common. Gallinula chloropus sandvicensis. U.S.A. (HI)..... .....do..... E 1 NA NA
Moorhen (=gallinule), Mariana common Gallinula chloropus guami. West Pacific Ocean--U.S.A. (Guam, Tinian, Saipan, Pagan). .....do..... E 156 NA NA
Murrelet, marbled..... Brachyramphus marmoratus marmoratus. U.S.A. (AK, CA, OR, WA), Canada (B.C.). U.S.A. (CA, OR, WA)... T 479 17.95(b) NA
Nightjar, Puerto Rican (=whip-poor-will). Caprimulgus noctitherus. U.S.A. (PR)..... Entire..... E 6 NA NA
Nukupu`u (honeycreeper)..... Hemignathus lucidus..... U.S.A. (HI)..... .....do..... E 1, 2 NA NA
Nuthatch, Algerian..... Sitta ledanti..... Algeria..... .....do..... E 571 NA NA
`O`o, Kauai (=`o`o `a`a) (honeyeater). Moho braccatus..... U.S.A. (HI)..... .....do..... E 1 NA NA
Ostrich, Arabian..... Struthio camelus syriacus. Jordan, Saudi Arabia... .....do..... E 3 NA NA
Ostrich, West African..... Struthio camelus spatzi. Spanish Sahara..... .....do..... E 3 NA NA
`O`u (honeycreeper)..... Psittirostra psittacea.. U.S.A. (HI)..... .....do..... E 1 NA NA
Owl, Anjouan scops..... Otus rutilus capnodes... Indian Ocean--Comoro Island. .....do..... E 3 NA NA
Owl, giant scops..... Otus gurneyi..... Philippines--Marinduque and Mindanao Island. .....do..... E 15 NA NA

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Owl, Madagascar red..... Tyto soumagnei..... Madagascar..... .....do..... E 401 NA NA

Owl, Mexican spotted..... Strix occidentalis lucida. U.S.A. (AZ, CO, NM, TX, UT), Mexico. .....do..... T 494 17.95(b) NA
Owl, northern spotted..... Strix occidentalis caurina. U.S.A. (CA, OR, WA), Canada (B.C.). .....do..... T 393 17.95(b) NA
Owl, Seychelles..... Otus insularis..... Indian Ocean--Seychelles Islands. .....do..... E 3 NA NA
Owlet, Morden's (=sokoke)..... Otus ireneae..... Kenya..... .....do..... E 3 NA NA
Oystercatcher, Canarian black..... Haematopus meadewaldoi.. Atlantic Ocean--Canary Islands. .....do..... E 571 NA NA
Palila (honeycreeper)..... Loxioides (=Psittirostra) bailleui. U.S.A. (HI)..... .....do..... E 1 17.95(b) NA
Parakeet, Forbes'..... Cyanoramphus auriceps forbesi. New Zealand..... .....do..... E 3 NA NA
Parakeet, golden-shouldered (=hooded). Psephotus chrysopterygius. Australia..... .....do..... E 3 NA NA
Parakeet, golden..... Aratinga guarouba..... Brazil..... .....do..... E 15 NA NA
Parakeet, Mauritius..... Psittacula echo..... Indian Ocean--Mauritius .....do..... E 3 NA NA
Parakeet, Norfolk Island..... Cyanoramphus novaezelandiae cookii. Australia (Norfolk Island). .....do..... E 401 NA NA
Parakeet, ochre-marked..... Pyrrhura cruentata..... Brazil..... .....do..... E 3 NA NA
Parakeet, orange-bellied..... Neophema chrysogaster... Australia..... .....do..... E 4 NA NA
Parakeet, paradise (=beautiful)..... Psephotus pulcherrimus.. .....do..... .....do..... E 4 NA NA
Parakeet, scarlet-chested (=splendid). Neophema splendida..... .....do..... .....do..... E 4 NA NA
Parakeet, turquoise..... Neophema pulchella..... .....do..... .....do..... E 3 NA NA
Parrot, Australian..... Geopsittacus occidentalis. .....do..... .....do..... E 3 NA NA
Parrot, Bahaman or Cuban..... Amazona leucocephala.... West Indies--Cuba, Bahamas, Caymans. .....do..... E 3, 15 NA NA
Parrot, ground..... Pezoporus wallicus..... Australia..... .....do..... E 6 NA NA
Parrot, imperial..... Amazona imperialis..... West Indies--Dominica.. .....do..... E 3 NA NA
Parrot, Puerto Rican..... Amazona vittata..... U.S.A. (PR)..... .....do..... E 1 NA NA
Parrot, red-browed..... Amazona rhodocorytha.... Brazil..... .....do..... E 3 NA NA
Parrot, red-capped..... Pionopsitta pileata..... .....do..... .....do..... E 15 NA NA
Parrot, red-necked..... Amazona arausiaca..... West Indies--Dominica.. .....do..... E 50 NA NA
Parrot, red-spectacled..... Amazona pretrei pretrei. Brazil, Argentina..... .....do..... E 15 NA NA
Parrot, red-tailed..... Amazona brasiliensis.... Brazil..... .....do..... E 401 NA NA
Parrot, Seychelles lesser vasa..... Coracopsis nigra barklyi Seychelles (Praslin Island). Indian Ocean-- .....do..... E 571 NA NA
Parrot, St. Lucia..... Amazona versicolor..... West Indies--St. Lucia. .....do..... E 3 NA NA
Parrot, St. Vincent..... Amazona guildingii..... West Indies--St. Vincent. .....do..... E 3 NA NA
Parrot, thick-billed..... Rhynchopsitta pachyrhyncha. Mexico, U.S.A. (AZ, NM) Mexico..... E 3 NA NA
Parrot, vinaceous-breasted..... Amazona vinacea..... Brazil..... Entire..... E 15 NA NA
Parrotbill, Maui (honeycreeper)..... Pseudonestor xanthophrys U.S.A. (HI)..... .....do..... E 1 NA NA
Pelican, brown..... Pelecanus occidentalis.. U.S.A (Carolinas to TX, CA, OR, WA), West Indies, coastal Central and South America. Entire, except U.S. Atlantic coast, FL, AL. E 2, 3, 171 NA NA
Penguin, Galapagos..... Spheniscus mendiculus... Ecuador (Galapagos Islands). Entire..... E 3 NA NA
Petrel, Hawaiian dark-rumped..... Pterodroma phaeopygia sandwichensis. U.S.A. (HI)..... .....do..... E 1 NA NA
Petrel, Madeira (=freira)..... Pterodroma madeira..... Atlantic Ocean--Madeira Island. .....do..... E 571 NA NA
Petrel, Mascarene black..... Pterodroma aterrima..... Indian Ocean--Mauritius (Reunion Island). .....do..... E 571 NA NA
Pheasant, bar-tailed..... Syrmaticus humaie..... Burma, China..... .....do..... E 3 NA NA
Pheasant, Blyth's tragopan..... Tragopan blythii..... Burma, China, India.... .....do..... E 3 NA NA
Pheasant, brown eared..... Crossoptilon mantchuricum. China..... .....do..... E 3 NA NA
Pheasant, Cabot's tragopan..... Tragopan caboti..... .....do..... .....do..... E 3 NA NA
Pheasant, cheer..... Catreus wallichii..... India, Nepal, Pakistan. .....do..... E 401 NA NA
Pheasant, Chinese monal..... Lophophorus lhuysii..... China..... .....do..... E 3 NA NA

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Pheasant, Edward's..... Lophura edwardsi..... Vietnam..... .....do..... E 3 NA NA
Pheasant, Elliot's..... Syrmaticus ellioti..... China..... .....do..... E 15 NA NA
Pheasant, imperial..... Lophura imperialis..... Vietnam..... .....do..... E 3 NA NA
Pheasant, Mikado..... Syrmaticus mikado..... Taiwan..... .....do..... E 3 NA NA
Pheasant, Palawan peacock..... Polyplectron emphanum... Philippines..... .....do..... E 3 NA NA
Pheasant, Sclater's monal..... Lophophorus sclateri.... Burma, China, India.... .....do..... E 3 NA NA
Pheasant, Swinhoe's..... Lophura swinhoii..... Taiwan..... .....do..... E 3 NA NA
Pheasant, western tragopan..... Tragopan melanocephalus. India, Pakistan..... .....do..... E 3 NA NA
Pheasant, white eared..... Crossoptilon crossoptilon. China (Tibet), India... .....do..... E 4 NA NA
Pigeon, Azores wood..... Columba palumbus azorica Azores. East Atlantic Ocean-- .....do..... E 3 NA NA
Pigeon, Chatham Island..... Hemiphaga novaeseelandiae chathamensis. New Zealand..... .....do..... E 3 NA NA
Pigeon, Mindoro zone-tailed..... Ducula mindorensis..... Philippines..... .....do..... E 15 NA NA
Pigeon, pink..... Columba (=Nesoenas) mayeri. Indian Ocean--Mauritius .....do..... E 571 NA NA
Pigeon, Puerto Rican plain..... Columba inornata wetmorei. U.S.A. (PR)..... .....do..... E 2 NA NA
Pigeon, white-tailed laurel..... Columba junoniae..... Atlantic Ocean--Canary Islands. .....do..... T 571 NA NA
Piping-guan, black-fronted..... Pipile jacutinga..... Argentina..... .....do..... E 15 NA NA
Pitta, Koch's..... Pitta kochi..... Philippines..... .....do..... E 15 NA NA
Plover, New Zealand shore..... Thinornis novaeseelandiae. New Zealand..... .....do..... E 3 NA NA
Plover, piping..... Charadrius melodus..... U.S.A. (Great Lakes, northern Great Plains, Atlantic and Gulf coasts, PR, VI), Canada, Mexico, Bahamas, West Indies. Great Lakes watershed in States of IL, IN, MI, MN, NY, OH, PA, and WI and Canada (Ont.). E 211 NA NA
Do..... .....do..... .....do..... Entire, except those areas where listed as endangered above. T 211 NA NA
Plover, western snowy..... Charadrius alexandrinus nivosus. U.S.A. (AZ, CA, CO, KS, NM, NV, OK, OR, TX, UT, WA), Mexico. U.S.A. (CA, OR, WA), Mexico (Within 50 miles of Pacific coast). T 493 NA NA
Pochard, Madagascar..... Aythya innotata..... Madagascar..... Entire..... E 571 NA NA
Po`ouli (honeycreeper)..... Melamprosops phaeosoma.. U.S.A. (HI)..... .....do..... E 10 NA NA
Prairie-chicken, Attwater's greater. Tympanuchus cupido attwateri. U.S.A. (TX)..... .....do..... E 1 NA NA
Quail, Merriam's Montezuma..... Cyrtonyx montezumae merriami. Mexico (Vera Cruz)..... .....do..... E 15 NA NA
Quetzel, resplendent..... Pharomachrus mocinno.... Mexico to Panama..... .....do..... E 15 NA NA
Rail, Aukland Island..... Rallus pectoralis muelleri. New Zealand..... .....do..... E 3 NA NA
Rail, California clapper..... Rallus longirostris obsoletus. U.S.A. (CA)..... .....do..... E 2 NA NA
Rail, Guam..... Rallus owstoni..... Western Pacific Ocean-- U.S.A. (Guam). Entire, except Rota... E 146E, 156 NA NA
Do..... .....do..... .....do..... Rota..... XN 371 NA 17.84(f)
Rail, light-footed clapper..... Rallus longirostris levipes. U.S.A. (CA), Mexico (Baja California). U.S.A. only..... E 2 NA NA
Rail, Lord Howe wood..... Tricholimnas sylvestris. Australia (Lord Howe Island). Entire..... E 15 NA NA
Rail, Yuma clapper..... Rallus longirostris yumanensis. Mexico, U.S.A. (AZ, CA) U.S.A. only..... E 1 NA NA

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Rhea, Darwin's..... Pterocnemia pennata..... Argentina, Bolivia, Entire..... E 3 NA NA

Peru, Uruguay.
Robin, Chatham Island..... Petroica traversi..... New Zealand..... .....do..... E 3 NA NA
Robin, dappled mountain..... Arcanator (=Modulatrix) orostruthus. Mozambique, Tanzania... .....do..... T 571 NA NA
Robin, scarlet-breasted (flycatcher) multicolor. Petroica multicolor multicolor. Australia (Norfolk Island). .....do..... E 3 NA NA
Rockfowl, grey-necked..... Picathartes oreas..... Cameroon, Gabon..... .....do..... E 3 NA NA
Rockfowl, white-necked..... Picathartes gymnocephalus. Africa--Togo to Sierra Leone. .....do..... E 3 NA NA
Roller, long-tailed ground..... Uratelornis chimaera.... Malagasy Republic (=Madagascar). .....do..... E 3 NA NA
Scrub-bird, noisy..... Atrichornis clamosus.... Australia..... .....do..... E 3 NA NA
Shama, Cebu black (thrush)..... Copsychus niger cebuensis. Philippines..... .....do..... E 3 NA NA
Shearwater, Newell's Townsend's (formerly Manx) (=`a`o). Puffinus auricularis (=puffinus) newelli. U.S.A. (HI)..... .....do..... T 10 NA NA
Shrike, San Clemente loggerhead..... Lanius ludovicianus mearnsi. U.S.A. (CA)..... .....do..... E 26 NA NA
Siskin, red..... Carduelis (=Spinus) cucullata. South America..... .....do..... E 15 NA NA
Sparrow, Cape Sable seaside..... Ammodramus (=Ammospiza) maritimus mirabilis. U.S.A. (FL)..... .....do..... E 1 17.95(b) NA
Sparrow, Florida grasshopper..... Ammodramus savannarum floridanus. .....do..... .....do..... E 239 NA NA
Sparrow, San Clemente sage..... Amphispiza belli clementeae. U.S.A. (CA)..... .....do..... T 26 NA NA
Starling, Ponape mountain..... Aplonis pelzelni..... West Pacific Ocean--Federated States of Micronesia. .....do..... E 3 NA NA
Starling, Rothschild's (myna)..... Leucopsar rothschildi... Indonesia (Bali)..... .....do..... E 3 NA NA
Stilt, Hawaiian (=ae`o)..... Himantopus mexicanus (=himantopus) knudseni. U.S.A. (HI)..... .....do..... E 2 NA NA
Stork, oriental white..... Ciconia ciconia boyciana Russia. China, Japan, Korea, ...do..... E 3 NA NA
Stork, wood..... Mycteria americana..... U.S.A., (CA, AZ, TX, to Carolinas), Mexico, C. and S. America. U.S.A. (AL, FL, GA, NC, SC). E 142 NA NA
Sunbird, Marungu..... Nectarinia prigoginei... Zaire..... Entire..... E 571 NA NA
Swiftlet, Mariana gray (=vanikoro).. Aerodramus vanikorensis bartschi. Western Pacific Ocean-- U.S.A. (Guam, Rota, Tinian, Saipan, Agiguan). .....do..... E 156 NA NA
Teal, Campbell Island flightless.... Anas aucklandica nesiotis. New Zealand (Campbell Island). .....do..... E 15 NA NA
Tern, California least..... Sterna antillarum (=albifrons) browni. Mexico, U.S.A. (CA).... .....do..... E 2, 3 NA NA
Tern, least..... Sterna antillarum..... U.S.A. (Atlantic and Gulf coasts, Miss. R. Basin, CA), Greater and Lesser Antilles, Bahamas, Mexico; winters Central America, northern South America. U.S.A. (AR, CO, IA, IL, IN, KS, KY, LA--Miss. R. and tribs. N of Baton Rouge, MS--Miss. R., MO, MT, ND, NE, NM, OK, SD, TN, TX--except within 50 miles of coast). E 182 NA NA
Tern, roseate..... Sterna dougallii dougallii. Tropical and temperate coasts of Atlantic Basin and East Africa. U.S.A. (Atlantic Coast south to NC), Canada (Newf., N.S, Que.), Bermuda. E 296 NA NA

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Do..... .....do..... .....do..... Western Hemisphere and adjacent oceans, incl. U.S.A. (FL, PR, VI), where not listed as endangered. T 296 NA NA
Thrasher, white-breasted..... Ramphocinclus brachyurus West Indies--St. Lucia, Entire..... E 3 NA NA

Martinique.
Thrush, large Kauai..... Myadestes (=Phaeornis) U.S.A. (HI)..... .....do..... E 2 NA NA
myadestinus.
Thrush, Molokai (=oloma`o)..... Myadestes (=Phaeornis) .....do..... .....do..... E 2 NA NA
lanaiensis (=obscurus)
rutha.
Thrush, New Zealand (wattlebird).... Turnagra capensis..... New Zealand..... .....do..... E 3 NA NA
Thrush, small Kauai (=puaiohi)..... Myadestes (=Phaeornis) U.S.A. (HI)..... .....do..... E 1 NA NA
palmeri.
Thrush, Taita..... Turdus olivaceous Kenya..... .....do..... E 1 NA NA
helleri.
Tinamou, solitary..... Tinamus solitarius..... Brazil, Paraguay, ...do..... E 15 NA NA
Argentina.
Towhee, Inyo California (=brown).... Pipilo crissalis U.S.A. (CA)..... .....do..... T 282 17.95(b) NA
(=fuscus) eremophilus.
Trembler, Martinique (thrasher)..... Cinclocerthia ruficauda West Indies--Martinique .....do..... E 3 NA NA
gutturalis.
Turaco, Bannerman's..... Tauraco bannermani..... Cameroon..... .....do..... E 571 NA NA
Turtle-dove, Seychelles..... Streptopelia picturata Indian Ocean-- .....do..... E 571 NA NA
rostrata. Seychelles.
Vanga, Pollen's..... Xenopirostris polleni... Madagascar..... .....do..... T 571 NA NA
Vanga, Van Dam's..... Xenopirostris damii..... .....do..... .....do..... T 571 NA NA
Vireo, black-capped..... Vireo atricapillus..... U.S.A. (KS, LA, NE, OK, ...do..... E 294 NA NA
TX), Mexico..
Vireo, least Bell's..... Vireo bellii pusillus... U.S.A. (CA), Mexico.... .....do..... E 228 17.95(b) NA
Wanderer, plain (collared-hemipode). Pedionomous torquatus... Australia..... .....do..... E 6 NA NA
Warbler (Old World), Aldabra..... Nesillas aldabranus..... Indian Ocean-- .....do..... E 571 NA NA
Seychelles (Aldabra
Island).
Warbler (Old World), nightingale Acrocephalus luscinia... West Pacific Ocean-- U.S.A. (Mariana E 3, 4 NA
NA
reed. U.S.A. (Guam, Islands).
Alamagan, Saipan).
Warbler (Old World), Rodrigues..... Bebrornis rodericanus... Mauritius (Rodrigues Entire..... E 3 NA NA
Islands).
Warbler (Old World), Seychelles..... Bebrornis sechellensis.. Indian Ocean-- .....do..... E 3 NA NA
Seychelles Island.
Warbler (wood), Bachman's..... Vermivora bachmanii..... U.S.A. (Southeastern), ...do..... E 1, 3 NA NA
Cuba.
Warbler (wood), Barbados yellow..... Dendroica petechia West Indies--Barbados.. .....do..... E 3 NA NA
petechia.
Warbler (wood), golden-cheeked..... Dendroica chrysoparia... U.S.A. (TX), Mexico, ...do..... E 387E, NA NA
Guatemala, Honduras, 411
Nicaragua, Belize.
Warbler (wood), Kirtland's..... Dendroica kirtlandii.... U.S.A. (principally .....do..... E 1, 3 NA NA
MI), Canada, West
Indies--Bahama Islands.
Warbler (wood), Semper's..... Leucopeza semperi..... West Indies--St. Lucia. .....do..... E 3 NA NA
Wattle-eye, banded..... Platysteira laticincta.. Cameroon..... .....do..... E 571 NA NA
Weaver, Clarke's..... Ploceus golandi..... Kenya..... .....do..... E 571 NA NA
Whipbird, western..... Psophodes nigrogularis.. Australia..... .....do..... E 3 NA NA
White-eye, bridled..... Zosterops conspicillatus Western Pacific Ocean-- .....do..... E 156 NA NA
conspicillatus. U.S.A. (Guam).
White-eye, Norfolk Island..... Zosterops albogularis... Indian Ocean--Norfolk .....do..... E 15 NA NA
Islands.
White-eye, Ponape greater..... Rukia longirostra West Pacific Ocean-- .....do..... E 3 NA NA
(=sanfordi). Federated States of
Micronesia.

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White-eye, Seychelles..... Zosterops modesta..... Indian Ocean-- .....do..... E 3 NA NA
Seychelles.
Woodpecker, imperial..... Campephilus imperialis.. Mexico..... .....do..... E 3 NA NA
Woodpecker, ivory-billed..... Campephilus principalis. U.S.A. (southcentral .....do..... E 1, 3 NA NA
and southeastern),
Cuba.
Woodpecker, red-cockaded..... Picoides (=Dendrocopos) U.S.A. (southcentral .....do..... E 2 NA NA

borealis. and southeastern).
Woodpecker, Tristam's..... Dryocopus javensis richardsi. Korea..... .....do..... E 3 NA NA
Wren, Guadeloupe house..... Troglodytes aedon guadeloupensis. West Indies--Guadeloupe .....do..... E 3 NA NA
Wren, St. Lucia house..... Troglodytes aedon mesoleucus. West Indies--St. Lucia. .....do..... E 3 NA NA

Reptiles

Alligator, American..... Alligator mississippiensis. Southeastern U.S.A..... .....do..... T(S/A) 1, 11, 20, 47, 51, 60, 113, 134, 186, 269 NA 17.42(a)
Alligator, Chinese..... Alligator sinensis..... China..... .....do..... E 15 NA NA
Anole, Culebra Island giant..... Anolis roosevelti..... U.S.A. (PR--Culebra Island). .....do..... E 25 17.95(c) NA
Boa, Jamaican..... Epicrates subflavus..... Jamaica..... .....do..... E 3 NA NA
Boa, Mona..... Epicrates monensis monensis. U.S.A. (PR)..... .....do..... T 33 17.95(c) NA
Boa, Puerto Rican..... Epicrates inornatus..... .....do..... .....do..... E 2 NA NA
Boa, Round Island [no common name].. Bolyeria multocarinata.. Indian Ocean--Mauritius .....do..... E 88 NA NA
Do..... Casarea dussumieri..... .....do..... .....do..... E 88 NA NA
Boa, Virgin Islands tree..... Epicrates monensis granti. U.S. and British Virgin Islands. .....do..... E 2, 86 NA NA
Caiman, Apaporis River..... Caiman crocodilus apaporiensis. Colombia..... .....do..... E 15 NA NA
Caiman, black..... Melanosuchus niger..... Amazon basin..... .....do..... E 15 NA NA
Caiman, broad-snouted..... Caiman latirostris..... Brazil, Argentina, Paraguay, Uruguay. .....do..... E 15 NA NA
Caiman, Yacare..... Caiman crocodilus yacare Bolivia, Argentina, Peru, Brazil. .....do..... E 3 NA NA
Chuckwalla, San Esteban Island..... Sauromalus varius..... Mexico..... .....do..... E 88 NA NA
Crocodile, African dwarf..... Osteolaemus tetraspis tetraspis. West Africa..... .....do..... E 15 NA NA
Crocodile, African slender-snouted.. Crocodylus cataphractus. Western and central Africa. .....do..... E 5 NA NA
Crocodile, American..... Crocodylus acutus..... U.S.A. (FL), Mexico, Caribbean, Central and South America. .....do..... E 10, 87 17.95(c) NA
Crocodile, Ceylon mugger..... Crocodylus palustris kimbula. Sri Lanka..... .....do..... E 15 NA NA
Crocodile, Congo dwarf..... Osteolaemus tetraspis osborni. Congo R. drainage..... .....do..... E 15 NA NA
Crocodile, Cuban..... Crocodylus rhombifer.... Cuba..... .....do..... E 3 NA NA
Crocodile, Morelet's..... Crocodylus moreletii.... Mexico, Belize, Guatemala. .....do..... E 3 NA NA
Crocodile, mugger..... Crocodylus palustris palustris. India, Pakistan, Iran, Bangladesh. .....do..... E 15 NA NA
Crocodile, Nile..... Crocodylus niloticus.... Africa, Middle East.... .....do..... T 3, 279, 334, 514 NA 17.42(c)
Crocodile, Orinoco..... Crocodylus intermedius.. South America--Orinoco R. basin. .....do..... E 3 NA NA
Crocodile, Philippine..... Crocodylus novaeguineae mindorensis. Philippine Islands..... .....do..... E 15 NA NA
Crocodile, saltwater (=estuarine)... Crocodylus porosus..... Southeast Asia, Australia, Papua New Guinea, Pacific Islands (Palau). Entire, except Papua New Guinea and Australia. E 87, 585 NA NA
Do..... .....do..... .....do..... Australia..... T 87, 585 NA NA

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Crocodile, Siamese..... Crocodylus siamensis.... Southeast Asia, Malay Peninsula. Entire..... E 15 NA NA

Gavial (=gharial)..... Gavialis gangeticus..... Pakistan, Burma, Bangladesh, India, Nepal. .....do..... E 3 NA NA
Gecko, day..... Phelsuma edwardnewtoni.. Indian Ocean--Mauritius .....do..... E 3 NA NA
Gecko, Monito..... Sphaerodactylus micropithecus. U.S.A. (PR)..... .....do..... E 125 17.95(c) NA
Gecko, Round Island day..... Phelsuma guentheri..... Indian Ocean--Mauritius .....do..... E 3 NA NA
Gecko, Serpent Island..... Cyrtodactylus serpensinsula. .....do..... .....do..... T 129 NA NA
Iguana, Acklins ground..... Cyclura rileyi nuchalis. West Indies--Bahamas... .....do..... T 129 NA NA
Iguana, Allen's Cay..... Cyclura cychlura inornata. .....do..... .....do..... T 129 NA NA
Iguana, Andros Island ground..... Cyclura cychlura cychlura. .....do..... .....do..... T 129 NA NA
Iguana, Anegada ground..... Cyclura pinguis..... West Indies--British Virgin Islands (Anegada Island). .....do..... E 3 NA NA
Iguana, Barrington land..... Conolophus pallidus..... Ecuador (Galapagos Islands). .....do..... E 3 NA NA
Iguana, Cayman Brac ground..... Cyclura nubila caymanensis. West Indies--Cayman Islands. .....do..... T 129 NA NA
Iguana, Cuban ground..... Cyclura nubila nubila... Cuba..... Entire (excluding population introduced in Puerto Rico). T 129 NA NA
Iguana, Exuma Island..... Cyclura cychlura figginsi. West Indies--Bahamas... Entire..... T 129 NA NA
Iguana, Fiji banded..... Brachylophus fasciatus.. Pacific--Fiji, Tonga... .....do..... E 88 NA NA
Iguana, Fiji crested..... Brachylophus vitiensis.. Pacific--Fiji..... .....do..... E 88 NA NA
Iguana, Grand Cayman ground..... Cyclura nubila lewisi... West Indies--Cayman Islands. .....do..... E 129 NA NA
Iguana, Jamaican..... Cyclura collei..... West Indies--Jamaica... .....do..... E 129 NA NA
Iguana, Mayaguana..... Cyclura carinata bartschi. West Indies--Bahamas... .....do..... T 129 NA NA
Iguana, Mona ground..... Cyclura stejnegeri..... U.S.A. (PR--Mona Island). .....do..... T 33 17.95(c) NA
Iguana, Turks and Caicos..... Cyclura carinata carinata. West Indies--Turks and Caicos Islands. .....do..... T 129 NA NA
Iguana, Watling Island ground..... Cyclura rileyi rileyi... West Indies--Bahamas... .....do..... E 129 NA NA
Iguana, White Cay ground..... Cyclura rileyi cristata. .....do..... .....do..... T 129 NA NA
Lizard, blunt-nosed leopard..... Gambelia (=Crotaphytus) silus. U.S.A. (CA)..... .....do..... E 1 NA NA
Lizard, Coachella Valley fringe-toed Uma inornata..... .....do..... .....do..... T 105 17.95(c) NA
Lizard, Hierro giant..... Gallotia simonyi simonyi Spain (Canary Islands). .....do..... E 144 NA NA
Lizard, Ibiza wall..... Podarcis pityusensis.... Spain (Balearic Islands). .....do..... T 144 NA NA
Lizard, Island night..... Xantusia (=Klauberina) riversiana. U.S.A. (CA)..... .....do..... T 26 NA NA
Lizard, Maria Island ground..... Cnemidophorus vanzoi.... West Indies--St. Lucia (Maria Islands). .....do..... E 443 NA NA
Lizard, St. Croix ground..... Ameiva polops..... U.S.A. (VI)..... .....do..... E 24 17.95(c) NA
Monitor, Bengal..... Varanus bengalensis..... Iran, Iraq, India, Sri Lanka, Malaysia, Afghanistan, Burma, Vietnam, Thailand. .....do..... E 15 NA NA
Monitor, desert..... Varanus griseus..... North Africa to Aral Sea, through Central Asia to Pakistan, Northwest India. .....do..... E 15 NA NA
Monitor, Komodo Island..... Varanus komodoensis..... Indonesia (Komodo, Rintja, Padar, and western Flores Island). .....do..... E 15 NA NA

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Monitor, yellow..... Varanus flavescens..... West Pakistan through India to Bangladesh. .....do..... E 15 NA NA
Python, Indian..... Python molurus molurus.. Sri Lanka and India.... .....do..... E 15 NA NA
Rattlesnake, Aruba Island..... Crotalus unicolor..... Aruba Island .....do..... T 129 NA NA

(Netherland Antilles).
Rattlesnake, New Mexican ridge-nosed Crotalus willardi U.S.A. (NM), Mexico.... .....do..... T 43 17.95(c) NA
obscurus.
Skink, bluetail (=blue-tailed) mole. Eumeces egregius lividus U.S.A. (FL)..... .....do..... T 299 NA 17.42(d)
Skink, Round Island..... Leiolopisma telfairi.... Indian Ocean--Mauritius .....do..... T 129 NA NA
Skink, sand..... Neoseps reynoldsi..... U.S.A. (FL)..... .....do..... T 299 NA 17.42(d)
Snake, Atlantic salt marsh..... Nerodia clarkii .....do..... .....do..... T 30 NA NA
(=fasciata) taeniata.
Snake, Concho water..... Nerodia paucimaculata U.S.A. (TX)..... .....do..... T 241 17.95(c) NA
(=harteri p.).
Snake, eastern indigo..... Drymarchon corais U.S.A. (AL, FL, GA, MS, ...do..... T 32 NA NA
couperi. SC).
Snake, giant garter..... Thamnophis gigas..... U.S.A. (CA)..... .....do..... T 522 NA NA
Snake, Maria Island..... Liophus ornatus..... West Indies--St. Lucia .....do..... E 443 NA NA
(Maria Islands).
Snake, San Francisco garter..... Thamnophis sirtalis U.S.A. (CA)..... .....do..... E 1 NA NA
tetrataenia.
Tartaruga..... Podocnemis expansa..... South America--Orinoco .....do..... E 3 NA NA
R. and Amazon R.
basins.
Terrapin, river (=tuntong)..... Batagur baska..... Malaysia, Bangladesh, ...do..... E 3 NA NA
Burma, India,
Indonesia.
Tomistoma..... Tomistoma schlegelii.... Malaysia, Indonesia.... .....do..... E 15 NA NA
Tortoise, angulated..... Geochelone yniphora..... Malagasy Republic .....do..... E 15 NA NA
(=Madagascar).
Tortoise, Bolson..... Gopherus flavomarginatus Mexico..... .....do..... E 46 NA NA
Tortoise, desert..... Gopherus (=Xerobates, U.S.A. (AZ, CA, NV, Entire, except AZ T 103, 17.95(c) NA
=Scaptochelys) UT), Mexico. south and east of 357E,
agassizii. Colorado R., and 378
Mexico.
Do..... .....do..... .....do..... AZ south and east of T(S/A) 357E, NA 17.42(e)
Colorado R., and 378
Mexico, when found
outside of Mexico or
said range in AZ.
Tortoise, Galapagos..... Geochelone elephantopus. Ecuador (Galapagos Entire..... E 3 NA NA
Islands).
Tortoise, gopher..... Gopherus polyphemus..... U.S.A. (AL, FL, GA, LA, Wherever found west of T 281 NA
NA
MS, SC). Mobile and Tombigbee
Rivers in AL, MS, and
LA.
Tortoise, radiated..... Geochelone (=Testudo) Malagasy Republic Entire..... E 3 NA NA
radiata. (=Madagascar).
Tracaja..... Podocnemis unifilis..... South America--Orinoco .....do..... E 3 NA NA
R. and Amazon R.
basins.
Tuatara..... Sphenodon punctatus..... New Zealand..... .....do..... E 3 NA NA
Turtle, Alabama redbelly (=red- Pseudemys alabamensis... U.S.A. (AL)..... .....do..... E 278 NA NA
bellied).
Turtle, aquatic box..... Terrapene coahuila..... Mexico..... .....do..... E 6 NA NA
Turtle, black softshell..... Trionyx nigricans..... Bangladesh..... .....do..... E 15 NA NA
Turtle, Brazilian (=Hoge's) sideneck Phrynops hogei..... Brazil..... .....do..... E 443 NA NA
Turtle, Burmese peacock..... Morenia ocellata..... Burma..... .....do..... E 15 NA NA
Turtle, Cat Island..... Trachemys terrapen..... West Indies--Jamaica, Cat Island in the E 443 NA NA
Bahamas. Bahamas.
Turtle, Central American river..... Dermatemys mawii..... Mexico, Belize, Entire..... E 129 NA NA
Guatemala.

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Turtle, Cuatro Cienegas softshell... Trionyx ater..... Mexico..... .....do..... E 15 NA NA
Turtle, flattened musk..... Sternotherus depressus.. U.S.A. (AL)..... Black Warrior R. T 272 NA NA
system upstream from
Bankhead Dam.
Turtle, geometric..... Psammobates South Africa..... Entire..... E 15 NA NA
(=Geochelone)

	geometricus.						
Turtle, green sea.....	Chelonia mydas.....	Circumglobal in tropical and temperate seas and oceans.	Breeding colony populations in FL and on Pacific coast of Mexico.	E	42	NA	222.41
Do.....	Chelonia mydas (incl. agassizi).	.....do.....	Wherever found except where listed as endangered below.	T	42	NA	17.42(b), 227.71, 227.72
Turtle, hawksbill sea (=carey).....	Eretmochelys imbricata..	Tropical seas.....	Entire.....	E	3	17.95(c)	222.41
Turtle, Inagua Island.....	Trachemys stejnegeri malonei.	West Indies--Bahamas (Great Inagua Island).	.....do.....	E	443	NA	NA
Turtle, Indian sawback.....	Kachuga tecta tecta.....	India.....	.....do.....	E	15	NA	NA
Turtle, Indian softshell.....	Trionyx gangeticus.....	Pakistan, India.....	.....do.....	E	15	NA	NA
Turtle, Kemp's (=Atlantic) ridley sea.	Lepidochelys kempii.....	Tropical and temperate seas in Atlantic Basin, incl. Gulf of Mexico.	.....do.....	E	4	NA	222.41
Turtle, leatherback sea.....	Dermochelys coriacea....	Tropical, temperate, and subpolar seas.	.....do.....	E	3	17.95(c)	222.41 226.71
Turtle, loggerhead sea.....	Caretta caretta.....	Circumglobal in tropical and temperate seas and oceans.	.....do.....	T	42	NA	17.42(b), 227.71, 227.72
Turtle, olive (=Pacific) ridley sea.	Lepidochelys olivacea...	Circumglobal in tropical and temperate seas.	Breeding colony populations on Pacific coast of Mexico.	E	42	NA	222.41
Do.....	.....do.....	.....do.....	Wherever found except where listed as endangered below.	T	42	NA	17.42(b), 227.71, 227.72
Turtle, peacock softshell.....	Trionyx hurum.....	India, Bangladesh.....	Entire.....	E	15	NA	NA
Turtle, Plymouth redbelly (=red-bellied).	Pseudemys (=Chrysemys) rubriventris bangsi.	U.S.A. (MA).....	.....do.....	E	90	17.95(c)	NA
Turtle, ringed map (=sawback).....	Graptemys oculifera.....	U.S.A. (LA, MS).....	.....do.....	T	250	NA	NA
Turtle, short-necked or western swamp.	Pseudemydura umbrina....	Australia.....	.....do.....	E	3	NA	NA
Turtle, South American red-lined....	Trachemys scripta callirostris.	Colombia, Venezuela....	.....do.....	E	443	NA	NA
Turtle, spotted pond.....	Geoclemys (=Damonia) hamiltonii.	North India, Pakistan..	.....do.....	E	15	NA	NA
Turtle, three-keeled Asian.....	Melanochelys (=Geoemyda, =Nicoria) tricarinata.	Central India to Bangladesh and Burma.	.....do.....	E	15	NA	NA
Turtle, yellow-blotched map (=sawback).	Graptemys flavimaculata.	U.S.A. (MS).....	.....do.....	T	416	NA	NA

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Viper, Lar Valley.....	Vipera latifii.....	Iran.....	.....do.....	E	129	NA	NA
	Amphibians						
Coqui, golden.....	Eleutherodactylus jasperi.	U.S.A. (PR).....	.....do.....	T	29	17.95(d)	NA
Frog , California red-legged.....	Rana aurora draytonii...	U.S.A. (CA), Mexico....	Entire (excluding Del Norte, Humboldt, Trinity, & Mendocino Cos., CA; Glenn, Lake, & Sonoma Cos., CA, west of the Central Valley Hydrologic Basin; Sonoma & Marin Cos., CA, west & north of San Francisco Bay drainages and Walker Creek drainage; and NV.	T	583	NA	NA
Frog, Goliath.....	Conraua goliath.....	Cameroon, Equatorial Guinea, Gabon.	Entire.....	T	566	NA	NA
Frog, Israel painted.....	Discoglossus nigriventer	Israel.....	.....do.....	E	3	NA	NA

Frog, Panamanian golden..... Atelopus varius zeteki.. Panama..... .....do..... E 15 NA NA
Frog, Stephen Island..... Leiopelma hamiltoni..... New Zealand..... .....do..... E 3 NA NA
Salamander, Cheat Mountain..... Plethodon nettingi..... U.S.A. (WV)..... .....do..... T 358 NA NA
Salamander, Chinese giant..... Andrias davidianus davidianus. Western China..... .....do..... E 15 NA NA
Salamander, desert slender..... Batrachoseps aridus..... U.S.A. (CA)..... .....do..... E 6 NA NA
Salamander, Japanese giant..... Andrias davidianus japonicus. Japan..... .....do..... E 15 NA NA
Salamander, Red Hills..... Phaeognathus hubrichti.. U.S.A. (AL)..... .....do..... T 19 NA NA
Salamander, San Marcos..... Eurycea nana..... U.S.A. (TX)..... .....do..... T 98 17.95(d) 17.43(a)
Salamander, Santa Cruz long-toed.... Ambystoma macrodactylum croceum. U.S.A. (CA)..... .....do..... E 1 NA NA
Salamander, Shenandoah..... Plethodon shenandoah.... U.S.A. (VA)..... .....do..... E 358 NA NA
Salamander, Texas blind..... Typhlomolge rathbuni.... U.S.A. (TX)..... .....do..... E 1 NA NA
Toad, Arroyo southwestern..... Bufo microscaphus californicus. U.S.A. (CA), Mexico.... .....do..... E 568 NA NA
Toad, Cameroon..... Bufo superciliaris..... Equatorial Africa..... .....do..... E 15 NA NA
Toad, Houston..... Bufo houstonensis..... U.S.A. (TX)..... .....do..... E 2 17.95(d) NA
Toad, Monte Verde..... Bufo periglenes..... Costa Rica..... .....do..... E 15 NA NA
Toad, Puerto Rican crested..... Peltophryne lemur..... U.S.A. (PR), British Virgin Islands. .....do..... T 283 NA NA
Toad, Wyoming..... Bufo hemiophrys baxteri. U.S.A. (WY)..... .....do..... E 138 NA NA
Toads, African viviparous..... Nectophrynoides spp..... Tanzania, Guinea, Ivory Coast, Cameroon, Liberia, Ethiopia. .....do..... E 15 NA NA

Fishes

Ala Balik (trout)..... Salmo platycephalus..... Turkey..... .....do..... E 3 NA NA
Ayumodoki (loach)..... Hymenophysa (=Botia) curta. Japan..... .....do..... E 3 NA NA
Blindcat, Mexican (catfish)..... Prietella phreatophila.. Mexico..... .....do..... E 3 NA NA
Bonytongue, Asian..... Scleropages formosus.... Thailand, Indonesia, Malaysia. .....do..... E 15 NA NA
Catfish [no common name]..... Pangasius sanitwongsei.. Thailand..... .....do..... E 3 NA NA
Catfish, giant..... Pangasianodon gigas..... .....do..... .....do..... E 3 NA NA
Catfish, Yaqui..... Ictalurus pricei..... U.S.A. (AZ), Mexico.... .....do..... T 157 17.95(e) 17.44(g)
Cavefish, Alabama..... Speoplatyrhinus poulsoni U.S.A. (AL)..... .....do..... E 28, 328 17.95(e) NA

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Cavefish, Ozark..... Amblyopsis rosae..... U.S.A. (AR, MO, OK).... .....do..... T 164 NA NA
Chub, bonytail..... Gila elegans..... U.S.A. (AZ, CA, CO, NV, UT, WY). .....do..... E 92 17.95(e) NA
Chub, Borax Lake..... Gila boraxobius..... U.S.A. (OR)..... .....do..... E 94E, 124 17.95(e) NA
Chub, Chihuahua..... Gila nigrescens..... U.S.A. (NM), Mexico (Chihuahua). .....do..... T 132 NA 17.44(g)
Chub, humpback..... Gila cypha..... U.S.A. (AZ, CO, UT, WY) .....do..... E 1 17.95(e) NA
Chub, Hutton tui..... Gila bicolor ssp..... U.S.A. (OR)..... .....do..... T 174 NA 17.44(j)
Chub, Mohave tui..... Gila bicolor mohavensis. U.S.A. (CA)..... .....do..... E 2 NA NA
Chub, Oregon..... Oregonichthys (=Hybopsis) crameri. U.S.A. (OR)..... .....do..... E 520 NA NA
Chub, Owens tui..... Gila bicolor snyderi.... U.S.A. (CA)..... .....do..... E 195 17.95(e) NA
Chub, Pahranagat roundtail (=bonytail). Gila robusta jordani.... U.S.A. (NV)..... .....do..... E 2 NA NA
Chub, slender..... Erimystax (=Hybopsis) cahni. U.S.A. (TN, VA)..... .....do..... T 28 17.95(e) 17.44(c)
Chub, Sonora..... Gila ditaenia..... U.S.A., (AZ), Mexico... .....do..... T 227 17.95(e) 17.44(o)
Chub, spotfin (=turquoise shiner)... Cyprinella (=Hybopsis) monacha. U.S.A. (AL, GA, NC, TN, VA). .....do..... T 28 17.95(e) 17.44(c)
Chub, Virgin River..... Gila robusta semidnuda.. U.S.A. (AZ, NV, UT).... .....do..... E 361 NA NA
Chub, Yaqui..... Gila purpurea..... U.S.A. (AZ), Mexico.... .....do..... E 157 17.95(e) NA
Cicek (minnow)..... Acanthorutilus handlirschi. Turkey..... .....do..... E 3 NA NA
Cui-ui..... Chasmistes cujus..... U.S.A. (NV)..... .....do..... E 1 NA NA
Dace, Ash Meadows speckled..... Rhinichthys osculus nevadensis. .....do..... .....do..... E 117E, 127E, 17.95(e) NA

Dace, blackside..... Phoxinus cumberlandensis U.S.A. (KY, TN)..... .....do..... T 273 NA NA
Dace, Clover Valley speckled..... Rhinichthys osculus oligoporus. U.S.A. (NV)..... .....do..... E 370 NA NA
Dace, desert..... Eremichthys acros..... .....do..... .....do..... T 1, 2D, 210 17.95(e) 17.44(m)
Dace, Foskett speckled..... Rhinichthys osculus ssp. U.S.A. (OR)..... .....do..... T 174 NA 17.44(j)
Dace, Independence Valley speckled.. Rhinichthys osculus lethoporus. U.S.A. (NV)..... .....do..... E 370, 372 NA NA
Dace, Kendall Warm Springs..... Rhinichthys osculus thermalis. U.S.A. (WY)..... .....do..... E 2 NA NA
Dace, Moapa..... Moapa coriacea..... U.S.A. (NV)..... .....do..... E 1 NA NA
Darter, amber..... Percina antesella..... U.S.A. (AL, GA, TN).... .....do..... E 196 17.95(e) NA
Darter, bayou..... Etheostoma rubrum..... U.S.A. (MS)..... .....do..... T 10 NA 17.44(b)
Darter, bluemask (=jewel)..... Etheostoma (Doration) sp.. U.S.A. (TN)..... .....do..... E 525 NA NA
Darter, boulder (=Elk River)..... Etheostoma wapiti..... U.S.A. (AL, TN)..... .....do..... E 322 NA NA
Darter, Cherokee..... Etheostoma (Ulocentra) sp.. U.S.A. (GA)..... .....do..... T 569 NA NA
Darter, duskytail..... Etheostoma (Catonotus) sp.. U.S.A. (TN, VA)..... .....do..... E 502 NA NA
Darter, Etowah..... Etheostoma etowahae..... U.S.A. (GA)..... .....do..... E 569 NA NA
Darter, fountain..... Etheostoma fonticola.... U.S.A. (TX)..... .....do..... E 2 17.95(e) NA
Darter, goldline..... Percina aurolineata..... U.S.A. (AL, GA, TN).... .....do..... T 462 NA NA
Darter, leopard..... Percina pantherina..... U.S.A. (AR, OK)..... .....do..... T 31 17.95(e) 17.44(d)
Darter, Maryland..... Etheostoma sellare..... U.S.A. (MD)..... .....do..... E 1 17.95(e) NA
Darter, Niangua..... Etheostoma nianguae..... U.S.A. (MO)..... .....do..... T 185 17.95(e) 17.44(k)
Darter, Okaloosa..... Etheostoma okaloosae.... U.S.A. (FL)..... .....do..... E 6 NA NA
Darter, relict..... Etheostoma (Catonotus) chienense. U.S.A. (KY)..... .....do..... E 525 NA NA
Darter, slackwater..... Etheostoma boschungi.... U.S.A. (AL, TN)..... .....do..... T 28 17.95(e) 17.44(c)
Darter, snail..... Percina tanasi..... U.S.A. (AL, GA, TN).... .....do..... T 12, 150 NA NA

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Darter, watercress..... Etheostoma nuchale..... U.S.A. (AL)..... .....do..... E 2 NA NA
Gambusia, Big Bend..... Gambusia gaigei..... U.S.A. (TX)..... .....do..... E 1 NA NA
Gambusia, Clear Creek..... Gambusia heterochir..... .....do..... .....do..... E 1 NA NA
Gambusia, Pecos..... Gambusia nobilis..... U.S.A. (NM, TX)..... .....do..... E 2 NA NA
Gambusia, San Marcos..... Gambusia georgei..... U.S.A. (TX)..... .....do..... E 98 17.95(e) NA
Goby, tidewater..... Eucyclogobius newberryi. U.S.A. (CA)..... .....do..... E 527 NA NA
Logperch, Conasauga..... Percina jenkinsi..... U.S.A. (GA, TN)..... .....do..... E 196 17.95(e) NA
Logperch, Roanoke..... Percina rex..... U.S.A. (VA)..... .....do..... E 359 NA NA
Madtom, Neosho..... Noturus placidus..... U.S.A. (KS, MO, OK).... .....do..... T 388 NA NA
Madtom, pygmy..... Noturus stanauli..... U.S.A. (TN)..... .....do..... E 502 NA NA
Madtom, Scioto..... Noturus trautmani..... U.S.A. (OH)..... .....do..... E 10 NA NA
Madtom, Smoky..... Noturus baileyi..... U.S.A. (TN)..... .....do..... E 163 17.95(e) NA
Madtom, yellowfin..... Noturus flavipinnis..... U.S.A. (TN, VA)..... Entire, except where listed as an experimental population below. T 28, 317 17.95(e) 17.44(c)
Do..... .....do..... .....do..... N. Fork Holston R., VA, TN; S. Fork Holston R., upstream to Ft. Patrick Henry Dam, TN; Holston R., downstream to John Sevier Detention Lake Dam, TN; and all tributaries thereto. XN 317 NA 17.84(e)
Minnow, loach..... Rhinichthys (=Tiaroga) cobitis. U.S.A. (AZ, NM), Mexico Entire..... T 247 17.95(e) 17.44(q)
Minnow, Rio Grande silvery..... Hybognathus amarus..... U.S.A. (NM, TX), Mexico .....do..... E 543 NA NA
Nekogigi (catfish)..... Coreobagrus ichikawai... Japan..... .....do..... E 3 NA NA
Poolfish (=killifish), Pahrump..... Empetrichthys latos..... U.S.A. (NV)..... .....do..... E 1 NA NA
Pupfish, Ash Meadows Amargosa..... Cyprinodon nevadensis mionectes. .....do..... .....do..... E 117E, 127E, 130 17.95(e) NA
Pupfish, Comanche Springs..... Cyprinodon elegans..... U.S.A. (TX)..... .....do..... E 1 NA NA

Pupfish, desert	Cyprinodon macularius	U.S.A. (AZ, CA) Mexico.	.....do	E	222	17.95(e)	NA
Pupfish, Devils Hole	Cyprinodon diabolis	U.S.A. (NV)	.....do	E	1	NA	NA
Pupfish, Leon Springs	Cyprinodon bovinus	U.S.A. (TX)	.....do	E	102	17.95(e)	NA
Pupfish, Owens	Cyprinodon radiosus	U.S.A. (CA)	.....do	E	1	NA	NA
Pupfish, Warm Springs	Cyprinodon nevadensis pectoralis.	U.S.A. (NV)	.....do	E	2	NA	NA
Salmon, chinook	Oncorhynchus tshawytscha	North Pacific Basin from U.S.A. (CA) to Japan.	Sacramento R. (U.S.A.--CA) winter run, wherever found.	E	383E, 407, 534	226.21	NA

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Do	.....do	.....do	Snake R. (U.S.A.--ID, OR, WA) mainstem and the following subbasins--Tucannon R., Grande Ronde R., Imnaha R., and Salmon R.; spring/summer run, natural population(s), wherever found.	T	516, 557	226.22	NA
Do	.....do	.....do	Snake R. (U.S.A.--ID, OR, WA) mainstem and the following subbasins--Tucannon R., Grande Ronde R., Imnaha R., Salmon R, and Clearwater R.; fall run, natural populations(s), wherever found.	T	516, 557	226.22	NA
Salmon, sockeye (=red, =blueback)	Oncorhynchus nerka	North Pacific Basin from U.S.A. (CA) to Russia.	U.S.A. (Snake River, ID stock wherever found.).	E	455	226.22	NA
Sculpin, pygmy	Cottus pygmaeus	U.S.A. (AL)	Entire	T	365	NA	17.44(u)
Shiner, beautiful	Cyprinella (=Notropis) formosa.	U.S.A. (AZ, NM), Mexico	.....do	T	157	17.95(e)	17.44(g)
Shiner, blue	Cyprinella (=Notropis) caerulea.	U.S.A. (AL, GA, TN)	.....do	T	462	NA	NA
Shiner, Cahaba	Notropis cahabae	U.S.A. (AL)	.....do	E	405	NA	NA
Shiner, Cape Fear	Notropis mekistocholas	U.S.A. (NC)	.....do	E	290	17.95(e)	NA
Shiner, Palezone	Notropis sp.	U.S.A. (AL, KY, TN)	.....do	E	502	NA	NA
Shiner, Pecos bluntnose	Notropis simus pecosensis.	U.S.A. (NM)	.....do	T	258	17.95(e)	17.44(r)
Silverside, Waccamaw	Menidia extensa	U.S.A. (NC)	.....do	T	265	17.95(e)	17.44(s)
Smelt, delta	Hypomesus transpacificus	U.S.A. (CA)	.....do	T	492	17.95(e)	NA
Spikedace	Meda fulgida	U.S.A. (AZ, NM), Mexico	.....do	T	236	17.95(e)	17.44(p)
Spinedace, Big Spring	Lepidomeda mollispinis pratensis.	U.S.A. (NV)	.....do	T	173	17.95(e)	17.44(i)
Spinedace, Little Colorado	Lepidomeda vittata	U.S.A. (AZ)	.....do	T	287	17.95(e)	17.44(t)
Spinedace, White River	Lepidomeda albivallis	U.S.A. (NV)	.....do	E	203	17.95(e)	NA
Springfish, Hiko White River	Crenichthys baileyi grandis.	.....do	.....do	E	206	17.95(e)	NA
Springfish, Railroad Valley	Crenichthys nevadae	.....do	.....do	T	224	17.95(e)	17.44(n)
Springfish, White River	Crenichthys baileyi baileyi.	.....do	.....do	E	206	17.95(e)	NA

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Squawfish, Colorado	Ptychocheilus lucius	U.S.A. (AZ, CA, CO, NM, NV, UT, WY), Mexico.	Entire, except Salt and Verde R. drainages, AZ.	E	1, 193	17.95(e)	NA
Do	.....do	.....do	Salt and Verde R.	XN	193	NA	17.84(b)

drainages, AZ.
Stickleback, unarmored threespine... Gasterosteus aculeatus williamsoni. U.S.A. (CA)..... Entire..... E 2 NA NA
Sturgeon, Gulf..... Acipenser oxyrhynchus desotoi. U.S.A. (AL, FL, GA, LA, MS). .....do..... T 444 NA 17.44(v)
Sturgeon, pallid..... Scaphirhynchus albus.... U.S.A. (AR, IA, IL, KS, KY, LA, MO, MS, MT, ND, NE, SD, TN). .....do..... E 399 NA NA
Sturgeon, shortnose..... Acipenser brevirostrum.. U.S.A. and Canada (Atlantic Coast). .....do..... E 1 NA NA
Sturgeon, white (Kootenai River pop.). Acipenser transmontanus. U.S.A. (ID, MT), Canada (B.C.). .....do..... E 549 NA NA
Sucker, June..... Chasmistes liorus..... U.S.A. (UT)..... .....do..... E 223 17.95(e) NA
Sucker, Lost River..... Deltistes luxatus..... U.S.A. (CA, OR)..... .....do..... E 313 NA NA
Sucker, Modoc..... Catostomus microps..... U.S.A. (CA)..... .....do..... E 184 17.95(e) NA
Sucker, razorback..... Xyrauchen texanus..... U.S.A. (AZ, CA, CO, NM, NV, UT, WY), Mexico. .....do..... E 447 17.95(e) NA
Sucker, shortnose..... Chasmistes brevirostris. U.S.A. (CA, OR)..... .....do..... E 313 NA NA
Sucker, Warner..... Catostomus warnerensis.. U.S.A. (OR)..... .....do..... T 205 17.95(e) 17.44(l)
Tango, Miyako (Tokyo bitterling).... Tanakia tanago..... Japan..... .....do..... E 3 NA NA
Temoleh, Ikan (minnow)..... Probarbus jullieni..... Thailand, Cambodia, Vietnam, Malaysia, Laos. .....do..... E 15 NA NA
Topminnow, Gila (incl. Yaqui)..... Poeciliopsis occidentalis. U.S.A. (AZ, NM), Mexico U.S.A. only..... E 1 NA NA
Totoaba (seatrout or weakfish)..... Cynoscion macdonaldi.... Mexico (Gulf of California). Entire..... E 48 NA NA
Trout, Apache (=Arizona)..... Oncorhynchus (=Salmo) apache. U.S.A. (AZ)..... .....do..... T 1, 8 NA 17.44(a)
Trout, Gila..... Oncorhynchus (=Salmo) gilae. U.S.A. (AZ, NM)..... .....do..... E 1 NA NA
Trout, greenback cutthroat..... Oncorhynchus (=Salmo) clarki stomias. U.S.A. (CO)..... .....do..... T 1, 38 NA 17.44(f)
Trout, Lahontan cutthroat..... Oncorhynchus (=Salmo) clarki henshawi. U.S.A. (CA, NV, OR, UT) .....do..... T 2, 8 NA 17.44(a)
Trout, Little Kern golden..... Oncorhynchus (=Salmo) aguabonita whitei. U.S.A. (CA)..... .....do..... T 37 17.95(e) 17.44(e)
Trout, Paiute cutthroat..... Oncorhynchus (=Salmo) clarki seleniris. .....do..... .....do..... T 1, 8 NA 17.44(a)
Trout, Umpqua River cutthroat..... Oncorhynchus (=Salmo) clarki clarki. U.S.A. (AK, CA, OR, WA) Umpqua R. (U.S.A.--OR) naturally spawning pops. in mainstem and tributaries). E 588 NA NA
Woundfin..... Plagopterus argentissimus. U.S.A. (AZ, NV, UT).... Entire, except Gila R. drainage, AZ, NM. E 2, 193 NA NA
Do..... .....do..... .....do..... Gila R. drainage, AZ, NM. XN 193 NA 17.84(b)

Clams
Acornshell, southern..... Epioblasma othcaloogensis. U.S.A. (AL, GA, TN).... NA..... E 495 NA NA
Clubshell, black (=Curtus' mussel).. Pleurobema curtum..... U.S.A. (AL, MS)..... NA..... E 262 NA NA
Clubshell, ovate..... Pleurobema perovatum.... U.S.A. (AL, GA, MS, TN) NA..... E 495 NA NA
Clubshell, southern..... Pleurobema decisum..... .....do..... NA..... E 495 NA NA

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Clubshell..... Pleurobema clava..... U.S.A. (AL, IL, IN, KY, MI, OH, PA, TN, WV). NA..... E 488 NA NA
Combshell, southern (=penitent mussel). Epioblasma (=Dysnomia) penita. U.S.A. (AL, MS)..... NA..... E 262 NA NA
Combshell, upland..... Epioblasma metastriata.. U.S.A. (AL, GA, TN).... NA..... E 495 NA NA
Elktoe, Appalachian..... Alasmidonta raveneliana. U.S.A. (NC, TN)..... NA..... E 563 NA NA
Fanshell..... Cyprogenia stegaria (=irrorata). U.S.A. (AL, IL, IN, KY, OH, PA, TN, VA, WV). NA..... E 391 NA NA
Fatmucket, Arkansas..... Lampsilis powelli..... U.S.A. (AR)..... NA..... T 382 NA NA

Heelsplitter, Carolina..... Lasmigona decorata..... U.S.A. (NC, SC)..... NA..... E 505 NA NA
Heelsplitter, inflated..... Potamilus inflatus..... U.S.A. (AL, LA, MS).... NA..... T 404 NA NA
Kidneyshell, triangular..... Ptychobranchus greeni... U.S.A. (AL, GA, TN).... NA..... E 495 NA NA
Lampmussel, Alabama..... Lampsilis virescens..... U.S.A. (AL, TN)..... NA..... E 15 NA NA
Moccasinshell, Alabama..... Medionidus acutissimus.. U.S.A. (AL, GA, MS).... NA..... T 495 NA NA
Moccasinshell, Coosa..... Medionidus parvulus..... U.S.A. (AL, GA, TN).... NA..... E 495 NA NA
Mucket, orange-nacre..... Lampsilis perovalis..... U.S.A. (AL, MS)..... NA..... T 495 NA NA
Mussel, dwarf wedge..... Alasmidonta heterodon... U.S.A. (CT, DC, DE, MA, MD, NC, NH, NJ, NY, PA, VA, VT), Canada (N.B.). NA..... E 377 NA NA
Mussel, ring pink (=golf stick pearly). Obovaria retusa..... U.S.A. (AL, IL, IN, KY, OH, PA, TN, WV). NA..... E 369 NA NA
Mussel, winged mapleleaf..... Quadrula fragosa..... U.S.A. (IA, IL, IN, KY, MN, MO, NE, OH, OK, TN, WI). NA..... E 426 NA NA
Pearlshell, Louisiana..... Margaritifera hembeli... U.S.A. (LA)..... NA..... T 304, 518 NA NA
Pearlymussel, Appalachian monkeyface Quadrula sparsa..... U.S.A. (TN, VA)..... NA..... E 15 NA NA
Pearlymussel, birdwing..... Conradilla caelata..... .....do..... NA..... E 15 NA NA
Pearlymussel, cracking..... Hemistena (=Lastena) lata. U.S.A. (AL, IL, IN, KY, OH, TN, VA). NA..... E 366 NA NA
Pearlymussel, Cumberland bean..... Villosa (=Micromya) trabalis. U.S.A. (KY, TN, VA).... NA..... E 15 NA NA
Pearlymussel, Cumberland monkeyface. Quadrula intermedia..... U.S.A. (AL, TN, VA).... NA..... E 15 NA NA
Pearlymussel, Curtis'..... Epioblasma (=Dysnomia) florentina curtisi. U.S.A. (AR, MO)..... NA..... E 15 NA NA
Pearlymussel, dromedary..... Dromus dromas..... U.S.A. (AL, KY, TN, VA) NA..... E 15 NA NA
Pearlymussel, green-blossom..... Epioblasma (=Dysnomia) torulosa gubernaculum. U.S.A. (TN, VA)..... NA..... E 15 NA NA
Pearlymussel, Higgins' eye..... Lampsilis higginsi..... U.S.A. (IA, IL, MN, MO, NE, WI). NA..... E 15 NA NA
Pearlymussel, little-wing..... Pegias fabula..... U.S.A. (AL, KY, NC, TN, VA). NA..... E 342 NA NA
Pearlymussel, Nicklin's..... Megalonaias nicklineana. Mexico..... NA..... E 15 NA NA
Pearlymussel, orange-foot pimple back. Plethobasus cooperianus. U.S.A. (AL, IA, IL, IN, KY, OH, PA, TN). NA..... E 15 NA NA
Pearlymussel, pale lilliput..... Toxolasma (=Carunculina) cylindrellus. U.S.A. (AL, TN)..... NA..... E 15 NA NA
Pearlymussel, pink mucket..... Lampsilis abrupta (=orbiculata). U.S.A. (AL, AR, IL, IN, KY, LA, MO, OH, PA, TN, VA, WV). NA..... E 15 NA NA
Pearlymussel, purple cat's paw..... Epioblasma (=Dysnomia) obliquata obliquata (=sulcata sulcata). U.S.A. (AL, IL, IN, KY, OH, TN). NA..... E 394 NA NA
Pearlymussel, Tampico..... Cyrtonaias tampicoensis tecomatensis. Mexico..... NA..... E 15 NA NA

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Pearlymussel, tubercled-blossom..... Epioblasma (=Dysnomia) torulosa torulosa. U.S.A. (AL, IL, IN, KY, TN, WV). NA..... E 15 NA NA
Pearlymussel, turgid-blossom..... Epioblasma (=Dysnomia) turgidula. U.S.A. (AL, TN)..... NA..... E 15 NA NA
Pearlymussel, white cat's paw..... Epioblasma (=Dysnomia) obliquata perobliqua. U.S.A. (IN, MI, OH).... NA..... E 15 NA NA
Pearlymussel, white wartyback..... Plethobasus cicatricosus TN). U.S.A. (AL, IL, IN, KY, NA..... E 15 NA NA
Pearlymussel, yellow-blossom..... Epioblasma (=Dysnomia) florentina florentina. U.S.A. (AL, TN)..... NA..... E 15 NA NA
Pigtoe, Cumberland (=Cumberland pigtoe mussel). Pleurobema gibberum..... U.S.A. (TN)..... NA..... E 423 NA NA
Pigtoe, dark..... Pleurobema furvum..... U.S.A. (AL)..... NA..... E 495 NA NA
Pigtoe, fine-rayed..... Fusconaia cuneolus..... U.S.A. (AL, TN, VA).... NA..... E 15 NA NA
Pigtoe, flat (=Marshall's mussel)... Pleurobema marshalli.... U.S.A. (AL, MS)..... NA..... E 262 NA NA
Pigtoe, heavy (=Judge Tait's mussel) Pleurobema taitianum.... .....do..... NA..... E 262 NA NA
Pigtoe, rough..... Pleurobema plenum..... U.S.A. (AL, IN, KY, TN, NA..... E 15 NA NA

VA).
Pigtoe, shiny..... Fusconaia cor U.S.A. (AL, TN, VA).... NA..... E 15 NA NA
(=edgariana).
Pigtoe, southern..... Pleurobema georgianum... U.S.A. (AL, GA, TN).... NA..... E 495 NA NA
Pocketbook, fat..... Potamilus (=Proptera) U.S.A. (AR, IA, IL, IN, NA..... E 15 NA NA
capax. KY, MO, MS, OH).
Pocketbook, fine-lined..... Lampsilis altilis..... U.S.A. (AL, GA)..... NA..... T 495 NA NA
Pocketbook, speckled..... Lampsilis streckeri..... U.S.A. (AR)..... NA..... E 345 NA NA
Riffleshell, northern..... Epioblasma torulosa U.S.A. (IL, IN, KY, MI, NA..... E 488 NA NA
rangiana. OH, PA, WV), Canada
(Ont.).
Riffleshell, tan..... Epioblasma walkeri..... U.S.A. (KY, TN, VA).... NA..... E 27 NA NA
Rock-pocketbook, Ouachita Arkansia (=Arcidens) U.S.A. (AR, OK)..... NA..... E 446 NA NA
(=Wheeler's pearly mussel). wheeleri.
Spinymussel, James River (=Virginia) Pleurobema (=Fusconaia, U.S.A. (VA, WV)..... NA..... E 316 NA
NA
=Elliptio, =Canthyra)
collina.
Spinymussel, Tar River..... Elliptio (Canthyria) U.S.A. (NC)..... NA..... E 188 NA NA
steinstansana.
Stirrupshell..... Quadrula stapes..... U.S.A. (AL, MS)..... NA..... E 262 NA NA

Snails
Ambersnail, Kanab..... Oxyloma haydeni U.S.A. (AZ, UT)..... NA..... E 431E, NA NA
kanabensis. 459, 477
Limpet, Banbury Springs..... Lanx sp..... U.S.A. (ID)..... NA..... E 485 NA NA
Marstonia (snail), royal (=obese)... Pyrgulopsis (=Marstonia) U.S.A. (TN)..... NA..... E 538 NA NA
ogmoraphe.
Riversnail, Anthony's..... Athearnia anthonyi..... U.S.A. (AL, GA, TN).... NA..... E 538 NA NA
Shagreen, Magazine Mountain..... Mesodon magazinensis.... U.S.A. (AR)..... NA..... T 348 NA NA
Snail, Bliss Rapids..... Taylorconcha U.S.A. (ID)..... NA..... T 485 NA NA
serpenticola.
Snail, Chittenango ovate amber..... Succinea U.S.A. (NY)..... NA..... T 41 NA NA
chittenangoensis.
Snail, flat-spired three-toothed.... Triodopsis platysayoides U.S.A. (WV)..... NA..... T 41 NA NA
Snail, Iowa Pleistocene..... Discus macclintocki..... U.S.A. (IA, IL)..... NA..... E 41 NA NA
Snail, Manus Island tree..... Papustyla pulcherrima... Pacific Ocean-- NA..... E 3 NA NA
Admiralty Is. (Manus
Is.).
Snail, Morro shoulderband (=Banded Helminthoglypta U.S.A. (CA)..... NA..... E 567 NA NA
dune). walkeriana.
Snail, noonday..... Mesodon clarki nantahala U.S.A. (NC)..... NA..... T 41 NA NA
Snail, painted snake coiled forest.. Anguispira picta..... U.S.A. (TN)..... NA..... T 41 NA NA
Snail, Snake River physa..... Physa natricina..... U.S.A. (ID)..... NA..... E 485 NA NA
Snail, Stock Island tree..... Orthalicus reses (not U.S.A. (FL)..... NA..... T 41 NA NA
incl. nesodryas).

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Snail, tulotoma (=Alabama live- Tulotoma magnifica..... U.S.A. (AL)..... NA..... E 412 NA NA
bearing).
Snail, Utah valvata..... Valvata utahensis..... U.S.A. (ID)..... NA..... E 485 NA NA
Snail, Virginia fringed mountain.... Polygyriscus virginianus U.S.A. (VA)..... NA..... E 41 NA NA
Snails, Oahu tree..... Achatinella spp..... U.S.A. (HI)..... NA..... E 108, 112 NA NA
Springsnail, Alamosa..... Tryonia alamosae..... U.S.A. (NM)..... NA..... E 442 NA NA
Springsnail, Bruneau Hot..... Pyrgulopsis bruneauensis U.S.A. (ID)..... NA..... E 489 NA NA
Springsnail, Idaho..... Fontelicella idahoensis. .....do..... NA..... E 485 NA NA
Springsnail, Socorro..... Pyrgulopsis neomexicana. U.S.A. (NM)..... NA..... E 442 NA NA

Insects
Beetle, American burying (=giant Nicrophorus americanus.. U.S.A. (eastern States NA..... E 351 NA NA
carrion). south to FL, west to
SD and TX), eastern
Canada.
Beetle, Coffin Cave mold..... Batrisodes texanus..... U.S.A. (TX)..... NA..... E 327, 513 NA NA
Beetle, delta green ground..... Elaphrus viridis..... U.S.A. (CA)..... NA..... T 100 17.95(i) NA
Beetle, Hungerford's crawling water. Brychius hungerfordi.... U.S.A. (MI, Canada).... NA..... E 533 NA NA
Beetle, Kretschmarr Cave mold..... Texamaurops reddelli.... U.S.A. (TX)..... NA..... E 327, 513 NA NA

Beetle, northeastern beach tiger.... Cicindela dorsalis U.S.A. (CT, MA, MD, NJ, NY, PA, RI, VA). NA..... T 396 NA NA
dorsalis.

Beetle, Puritan tiger..... Cicindela puritana..... U.S.A. (CT, MA, MD, NH, VT). NA..... T 396 NA NA

Beetle, Tooth Cave ground..... Rhadine persephone..... U.S.A. (TX)..... NA..... E 327 NA NA

Beetle, valley elderberry longhorn.. Desmocerus californicus dimorphus. U.S.A. (CA)..... NA..... T 99 17.95(i) NA

Butterfly, bay checkerspot..... Euphydryas editha bayensis. .....do..... NA..... T 288 NA NA

Butterfly, Corsican swallowtail..... Papilio hospiton..... Corsica, Sardinia..... NA..... E 486 NA NA

Butterfly, El Segundo blue..... Euphilotes (=Shijimiaeoides) battoides allyni. U.S.A. (CA)..... NA..... E 14 NA NA

Butterfly, Homerus swallowtail..... Papilio homerus..... Jamaica..... NA..... E 486 NA NA

Butterfly, Karner blue..... Lycaeides melissa samuelis. U.S.A. (IL, IN, MA, MI, MN, NH, NY, OH, PA, WI), Canada (Ont.). NA..... E 484 NA NA

Butterfly, Lange's metalmark..... Apodemia mormo langei... U.S.A. (CA)..... NA..... E 14 NA NA

Butterfly, lotis blue..... Lycaeides argyrognomon lotis. .....do..... NA..... E 14 NA NA

Butterfly, Luzon peacock swallowtail Papilio chikae..... Philippines..... NA..... E 486 NA NA

Butterfly, mission blue..... Icaricia icarioides missionensis. U.S.A. (CA)..... NA..... E 14 NA NA

Butterfly, Mitchell's satyr..... Neonympha mitchellii mitchellii. U.S.A. (IN, MI, NJ, OH) NA..... E 428E, 469 NA NA

Butterfly, Myrtle's silverspot..... Speyeria zerene myrtleae U.S.A. (CA)..... NA..... E 472 NA NA

Butterfly, Oregon silverspot..... Speyeria zerene hippolyta. U.S.A. (CA, OR, WA).... NA..... T 95 17.95(i) NA

Butterfly, Palos Verdes blue..... Glaucopsyche lygdamus palosverdesensis. U.S.A. (CA)..... NA..... E 96 17.95(i) NA

Butterfly, Queen Alexandra's birdwing. Troides (=Ornithoptera) alexandrae. Papua New Guinea..... NA..... E 364 NA NA

Butterfly, Saint Francis' satyr..... Neonympha mitchellii francisci. U.S.A. (NC)..... NA..... E 539E, 574 NA NA

Butterfly, San Bruno elfin..... Callophrys mossii bayensis. U.S.A. (CA)..... NA..... E 14 NA NA

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Butterfly, Schaus swallowtail..... Heraclides (=Papilio) aristodemus ponceanus. U.S.A. (FL)..... NA..... E 13, 159 NA NA

Butterfly, Smith's blue..... Euphilotes (=Shijimiaeoides) enoptes smithi. U.S.A. (CA)..... NA..... E 14 NA NA

Butterfly, Uncompahgre fritillary... Boloria acrocnema..... U.S.A. (CO)..... NA..... E 427 NA NA

Dragonfly, Hine's (=Ohio) emerald... Somatochlora hineana.... U.S.A. (IL, IN, OH, WI) NA..... E 573 NA NA

Fly, Delhi Sands flower-loving..... Rhaphiomidas terminatus abdominalis. U.S.A. (CA)..... NA..... E 517 NA NA

Moth, Kern primrose sphinx..... Euproserpinus euterpe... .....do..... NA..... T 91 NA NA

Naucorid, Ash Meadows..... Ambrysus amargosus..... U.S.A. (NV)..... NA..... T 181 17.95(i) NA

Skipper, Pawnee montane..... Hesperia leonardus (=pawnee) montana. U.S.A. (CO)..... NA..... T 289 NA NA

Arachnids

Harvestman, Bee Creek Cave..... Texella reddelli..... U.S.A. (TX)..... NA..... E 327, 513 NA NA

Harvestman, Bone Cave..... Texella reyesi..... .....do..... NA..... E 327, 513 NA NA

Pseudoscorpion, Tooth Cave..... Tartarocreagris (=Microcreagris) texana. .....do..... NA..... E 327 NA NA

Spider, spruce-fir moss..... Microhexura montivaga... U.S.A. (NC, TN)..... NA..... E 576 NA NA

Spider, Tooth Cave..... Neoleptoneta (=Leptoneta) myopica. U.S.A. (TX)..... NA..... E 327 NA NA

Crustaceans

Amphipod, Hay's Spring..... Stygobromus hayi..... U.S.A. (DC)..... NA..... E 115 NA NA

Crayfish, cave [no common name]..... Cambarus aculabrum..... U.S.A. (AR)..... NA..... E 499 NA NA

Do..... Cambarus zophonastes.... .....do..... NA..... E 263 NA NA

Crayfish, Nashville..... Orconectes shoupi..... U.S.A. (TN)..... NA..... E 242 NA NA

Crayfish, Shasta (=placid)..... Pacifastacus fortis..... U.S.A. (CA)..... NA..... E 337 NA NA

Fairy shrimp, Conservancy.....	Branchinecta conservatio	.....do.....	NA.....	E	552	NA	NA
Fairy shrimp, longhorn.....	Branchinecta longiantenna.	.....do.....	NA.....	E	552	NA	NA
Fairy shrimp, riverside.....	Streptocephalus woottoni	.....do.....	NA.....	E	512	NA	NA
Fairy shrimp, vernal pool.....	Branchinecta lynchi.....	.....do.....	NA.....	T	552	NA	NA
Isopod, Lee County cave.....	Lirceus usdagalun.....	U.S.A. (VA).....	NA.....	E	483	NA	NA
Isopod, Madison Cave.....	Antrolana lira.....	.....do.....	NA.....	T	123	NA	17.46(a)
Isopod, Socorro.....	Thermosphaeroma (=Exosphaeroma) thermophilus.	U.S.A. (NM).....	NA.....	E	36	NA	NA
Shrimp, Alabama cave.....	Palaemonias alabamae....	U.S.A. (AL).....	NA.....	E	323	NA	NA
Shrimp, California freshwater.....	Syncaris pacifica.....	U.S.A. (CA).....	NA.....	E	340	NA	NA
Shrimp, Kentucky cave.....	Palaemonias ganteri.....	U.S.A. (KY).....	NA.....	E	135	17.95(h)	NA
Shrimp, Squirrel Chimney Cave (=Florida cave).	Palaemonetes cummingi...	U.S.A. (FL).....	NA.....	T	390	NA	NA
Tadpole shrimp, vernal pool.....	Lepidurus packardi.....	U.S.A. (CA).....	NA.....	E	552	NA	NA

Symbols used in the four left columns:

`` Do..." or ``.....do..."--(Ditto) indicates the entry is the same as the column entry directly above.

Symbols used in the ``when listed" column:

D--Indicates FR where species was Delisted; relisting of the species is indicated by subsequent number(s).
E--Indicates Emergency rule publication (see FR document for effective dates); subsequent number(s) indicate FR final rule, if applicable, under ``When listed".

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1--32 FR 4001; March 11, 1967.
2--35 FR 16047; October 13, 1970.
3--35 FR 8495; June 2, 1970.
4--35 FR 18320; December 2, 1970.
5--37 FR 6176; March 30, 1972.
6--38 FR 14678; June 4, 1973.
7--39 FR 44991; December 30, 1974.
8--40 FR 29864; July 16, 1975.
9--40 FR 31736; July 28, 1975.
10--40 FR 44151; September 25, 1975.
11--40 FR 44418; September 26, 1975.
12--40 FR 47506; October 9, 1975.
13--41 FR 17740; April 28, 1976.
14--41 FR 22044; June 1, 1976.
15A--41 FR 24064; June 14, 1976.
15--41 FR 26019; June 24, 1976.
16--41 FR 45993; October 19, 1976.
17--41 FR 51021; November 19, 1976.
18--41 FR 51612; November 23, 1976.
19--41 FR 53034; December 3, 1976.
20--42 FR 2076; January 10, 1977.
21--42 FR 2968; January 14, 1977.
22--42 FR 15971; March 24, 1977.
23--42 FR 28137; June 2, 1977.
24--42 FR 28545; June 3, 1977.

25--42 FR 37373; July 21, 1977.
26--42 FR 40685; August 11, 1977.
27--42 FR 42353; August 23, 1977.
28--42 FR 45528; September 9, 1977.
29--42 FR 58755; November 11, 1977.
30--42 FR 60745; November 29, 1977.
31--43 FR 3715; January 27, 1978.
32--43 FR 4028; January 31, 1978.
33--43 FR 4621; February 3, 1978.
34--43 FR 6233; February 14, 1978.
35--43 FR 9612; March 9, 1978.
36--43 FR 12691; March 27, 1978.
37--43 FR 15429; April 13, 1978.
38--43 FR 16345; April 18, 1978.
40--43 FR 20504; May 12, 1978.
41--43 FR 28932; July 3, 1978.
42--43 FR 32808; July 28, 1978.
43--43 FR 34479; August 4, 1978.
45--44 FR 21289; April 10, 1979.
46--44 FR 23064; April 17, 1979.
48--44 FR 29480; May 21, 1979.
50--44 FR 37126; June 25, 1979.
51--44 FR 37132; June 25, 1979.
52--44 FR 42911; July 20, 1979.
54--44 FR 49220; August 21, 1979.
60--44 FR 59084; October 12, 1979.
85--44 FR 69208; November 30, 1979.
86--44 FR 70677; December 7, 1979.
87--44 FR 75076; December 18, 1979.
88--45 FR 18010; March 20, 1980.
90--45 FR 21833; April 2, 1980.
91--45 FR 24090; April 8, 1980.
92--45 FR 27713; April 23, 1980.
93--45 FR 28722; April 30, 1980.
94--45 FR 35821; May 28, 1980.
95--45 FR 44935; July 2, 1980.
96--45 FR 44939; July 2, 1980.
97--45 FR 47352; July 14, 1980.
98--45 FR 47355; July 14, 1980.
99--45 FR 52803; August 8, 1980.
100--45 FR 52807; August 8, 1980.
102--45 FR 54678; August 15, 1980.
103--45 FR 55654; August 20, 1980.
105--45 FR 63812; September 25, 1980.
106--45 FR 65132; October 1, 1980.
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111--46 FR 11665; February 10, 1981.
112--46 FR 40025; August 6, 1981.
113--46 FR 40664; August 10, 1981.
114--47 FR 4204; January 28, 1982.
115--47 FR 5425; February 5, 1982.
117--47 FR 19995; May 10, 1982.
119--47 FR 31670; July 21, 1982.
123--47 FR 43701; October 4, 1982.
124--47 FR 43962; October 5, 1982.
125--47 FR 46093; October 15, 1982.

127--48 FR 612; January 5, 1983.
128--48 FR 1726; January 14, 1983.
129--48 FR 28464; June 22, 1983.
130--48 FR 40184; September 2, 1983.
131--48 FR 43043; September 21, 1983.
132--48 FR 46057; October 11, 1983.
134--48 FR 46336; October 12, 1983.
135--48 FR 46341; October 12, 1983.
136--48 FR 49249; October 25, 1983.
138--49 FR 1994; January 17, 1984.
139--49 FR 2783; January 23, 1984.
142--49 FR 7335; February 28, 1984.
143--49 FR 7394; February 29, 1984.
144--49 FR 7398; February 29, 1984.
145--49 FR 10526; March 20, 1984.
146--49 FR 14356; April 11, 1984.
149--49 FR 22334; May 29, 1984.
150--49 FR 27514; July 5, 1984.
156--49 FR 33885; August 27, 1984.
157--49 FR 34494; August 31, 1984.
159--49 FR 34504; August 31, 1984.
160--49 FR 34510; August 31, 1984.
161--49 FR 35954; September 13, 1984.
163--49 FR 43069; October 26, 1984.
164--49 FR 43969; November 1, 1984.
166--49 FR 45163; November 15, 1984.
168--49 FR 49639; December 21, 1984.
169--50 FR 1056; January 9, 1985.
170--50 FR 4226; January 30, 1985.
171--50 FR 4945; February 4, 1985.
173--50 FR 12302; March 28, 1985.
174--50 FR 12305; March 28, 1985.
181--50 FR 20786; May 20, 1985.
182--50 FR 21792; May 28, 1985.
183--50 FR 23884; June 6, 1985.
184--50 FR 24530; June 11, 1985.
185--50 FR 24653; June 12, 1985.

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186--50 FR 25678; June 20, 1985.
188--50 FR 26575; June 27, 1985.
189--50 FR 27002; July 1, 1985.
193--50 FR 30194; July 24, 1985.
195--50 FR 31596; August 5, 1985.
196--50 FR 31603; August 5, 1985.
203--50 FR 37198; September 12, 1985.
205--50 FR 39117; September 27, 1985.
206--50 FR 39123; September 27, 1985.
210--50 FR 50308; December 10, 1985.
211--50 FR 50733; December 11, 1985.
212--50 FR 51252; December 16, 1985.
216--51 FR 6690; February 25, 1986.
222--51 FR 10850; March 31, 1986.
223--51 FR 10857; March 31, 1986.
224--51 FR 10864; March 31, 1986.

227--51 FR 16047; April 30, 1986.
228--51 FR 16482; May 2, 1986.
233--51 FR 17980; May 16, 1986.
236--51 FR 23781; July 1, 1986.
239--51 FR 27495; July 31, 1986.
241--51 FR 31422; September 3, 1986.
242--51 FR 34412; September 26, 1986.
246--51 FR 34425; September 26, 1986.
247--51 FR 39478; October 28, 1986.
248--51 FR 41796; November 19, 1986.
250--51 FR 45910; December 23, 1986.
251--52 FR 288; January 5, 1987.
258--52 FR 5302; February 20, 1987.
261--52 FR 10892; April 6, 1987.
262--52 FR 11169; April 7, 1987.
263--52 FR 11172; April 7, 1987.
265--52 FR 11286; April 8, 1987.
267--52 FR 20719; June 3, 1987.
268--52 FR 20999; June 3, 1987.
269--52 FR 21063; June 4, 1987.
272--52 FR 22430; June 11, 1987.
273--52 FR 22585; June 12, 1987.
278--52 FR 22943; June 16, 1987.
279--52 FR 23151; June 17, 1987.
280--52 FR 25232; July 6, 1987.
281--52 FR 25380; July 7, 1987.
282--52 FR 28785; August 3, 1987.
283--52 FR 28831; August 4, 1987.
284--52 FR 29780; August 11, 1987.
287--52 FR 35040; September 16, 1987.
288--52 FR 35378; September 18, 1987.
289--52 FR 36180; September 25, 1987.
290--52 FR 36038; September 25, 1987.
292--52 FR 36779; October 1, 1987.
294--52 FR 37423; October 6, 1987.
296--52 FR 42068; November 2, 1987.
299--52 FR 42662; November 6, 1987.
304--53 FR 3570; February 5, 1988.
312--53 FR 25611; July 8, 1988.
313--53 FR 27134; July 18, 1988.
316--53 FR 27693; July 22 1988.
317--53 FR 29337; August 4, 1988.
320--53 FR 33992; September 1, 1988.
322--53 FR 33998; September 1, 1988.
323--53 FR 34698; September 7, 1988.
327--53 FR 36033; September 16, 1988.
328--53 FR 37970; September 28, 1988.
334--53 FR 38453; September 30, 1988.
336--53 FR 38460; September 30, 1988.
337--53 FR 38465; September 30, 1988.
338--53 FR 38469; September 30, 1988.
340--53 FR 43889; October 30, 1988.
342--53 FR 45865; November 14, 1988.
345--54 FR 8341; February 28, 1989.
348--54 FR 15208; April 17, 1989.
349--54 FR 20602; May 12, 1989.

350--54 FR 22906; May 30, 1989.
351--54 FR 29655; July 13, 1989.
357--54 FR 32331; August 4, 1989.
358--54 FR 34468; August 18, 1989.
359--54 FR 34472; August 18, 1989.
361--54 FR 35311; August 24, 1989.
364--54 FR 38951; September 21, 1989.
365--54 FR 39849; September 28, 1989.
366--54 FR 39853; September 28, 1989.
369--54 FR 40112; September 29, 1989.
370--54 FR 41453; October 10, 1989.
371--54 FR 43969; October 30, 1989.
372--54 FR 47861; November 17, 1989.
376--55 FR 9135; March 12, 1990.
377--55 FR 9451; March 14, 1990.
378--55 FR 12191; April 2, 1990.
382--55 FR 12801; April 5, 1990.
383--55 FR 12832; April 6, 1990.
384--55 FR 13488; April 10, 1990.
387--55 FR 18845; May 4, 1990.
388--55 FR 21153; May 22, 1990.
390--55 FR 25591; June 21, 1990.
391--55 FR 25595; June 21, 1990.
393--55 FR 26194; June 26, 1990.
394--55 FR 28213; July 10, 1990.
396--55 FR 32094; August 7, 1990.
399--55 FR 36647; September 6, 1990.
400--55 FR 39416; September 27, 1990.
401--55 FR 39860; September 28, 1990.
404--55 FR 39872; September 28, 1990.
405--55 FR 42966; October 25, 1990.
407--55 FR 49623; November 30, 1990.
408--55 FR 50006; December 4, 1990.
410--55 FR 51112; December 12, 1990.
411--55 FR 53160; December 27, 1990.
412--56 FR 800; January 9, 1991.
415--56 FR 1459; January 14, 1991.
416--56 FR 1463; January 14, 1991.
417--56 FR 1463; January 14, 1991.
419--56 FR 13600; April 3, 1991.
421--56 FR 19814; April 30, 1991.
423--56 FR 21087; May 7, 1991.
426--56 FR 28349; June 20, 1991.
427--56 FR 28717; June 24, 1991.
428--56 FR 28828; June 25, 1991.
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433--56 FR 41488; August 21, 1991.
442--56 FR 43649; September 30, 1991.
443--56 FR 43653; September 30, 1991.
444--56 FR 49658; September 30, 1991.
446--56 FR 54957; October 23, 1991.
447--56 FR 54967; October 23, 1991.

449--56 FR 56333; November 4, 1991.
454--56 FR 64723; December 12, 1991.
455--57 FR 213; January 3, 1992.
456--57 FR 594; January 7, 1992.
459--57 FR 13661; April 17, 1992.
462--57 FR 14790; April 22, 1992.
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472--57 FR 27858; June 22, 1992.
475--57 FR 28024; June 23, 1992.
479--57 FR 45337; October 1, 1992.
483--57 FR 54726; November 20, 1992.
484--57 FR 59244; December 14, 1992.
485--57 FR 59257; December 14, 1992.
486--58 FR 4359; January 14, 1993.
487--58 FR 5657; January 22, 1993.
488--58 FR 5642; January 22, 1993.
489--58 FR 5946; January 25, 1993.
492--58 FR 12863; March 5, 1993.
493--58 FR 12874; March 5, 1993.
494--58 FR 14271; March 16, 1993.
495--58 FR 14339; March 17, 1993.
496--58 FR 16757; March 30, 1993.
499--58 FR 25746; April 27, 1993.
502--58 FR 25763; April 27, 1993.
503--58 FR 27480; May 10, 1993.
505--58 FR 43931; June 30, 1993.
508--58 FR 40538; July 28, 1993.
512--58 FR 41391; August 3, 1993.
513--58 FR 43819; August 18, 1993.
514--58 FR 49874; September 23, 1993.
516--58 FR 49880; September 23, 1993.
517--58 FR 49887; September 23, 1993.
518--58 FR 49937; September 24, 1993.
520--58 FR 53804; October 18, 1993.
522--58 FR 54065; October 20, 1993.
525--58 FR 68486; October 27, 1993.
526--59 FR 5310; February 3, 1994.
527--59 FR 5498; February 4, 1994.
533--59 FR 10584; March 7, 1994.
534--59 FR 13836; March 23, 1994.
538--59 FR 17998; April 15, 1994.
539--59 FR 18327; April 18, 1994.
540--59 FR 31095; June 16, 1994
543--59 FR 36995; July 20, 1994.
545--59 FR 42691; August 18, 1994.
546--59 FR 42711; August 18, 1994.
549--59 FR 46002; September 6, 1994.
550--59 FR 46715; September 9, 1994.
552--59 FR 48153; September 19, 1994.
554--59 FR 49764; September 29, 1994.
557--59 FR 54840; November 2, 1994.
561--59 FR 60264; November 22, 1994.
562--59 FR 60279; November 22, 1994.
563--59 FR 60334; November 23, 1994.
566--59 FR 63264; December 8, 1994.
567--59 FR 64623; December 15, 1994.

568--59 FR 64866; December 16, 1994.
569--59 FR 65512; December 20, 1994.
571--60 FR 2903; January 12, 1995.
573--60 FR 5273; January 26, 1995.
574--60 FR 5267; January 26, 1995.
576--60 FR 6974; February 6, 1995.
577--60 FR 10715; February 27, 1995.
579--60 FR 18947; April 13, 1995.
580--60 FR 36010; July 12, 1995.
582--61 FR 11332; March 20, 1996.
583--61 FR 25832; May 23, 1996.
585--61 FR 32356; June 24, 1996.
588--61 FR 48413; September 13, 1996.

[48 FR 34182, July 27, 1983]

Editorial Note 1: For Federal Register citations affecting the table in Sec. 17.11(h), see the listing above.

Editorial Note 2: For Federal Register citations affecting Sec. 17.11, see the List of CFR Sections Affected appearing in the Finding Aids section of this volume.

Sec. 17.12 Endangered and threatened plants.

(a) The list in this section contains the names of all species of plants which have been determined by the Services to be Endangered or Threatened. It also contains the names of species of plants treated as Endangered or Threatened because they are sufficiently similar in appearance to Endangered or Threatened species (see Sec. 17.50 et seq.).

(b) The columns entitled ``Scientific name'' and ``Common name'' define the species of plant within the meaning of the Act. Although common names are included, they cannot be relied upon for identification of any specimen, since they may vary greatly in local usage. The Services shall use the most recently accepted scientific name. In cases in which confusion might arise, a synonym(s) will be provided in parentheses. The Services shall rely to the extent practicable on the International Code of Botanical Nomenclature.

(c) In the ``Status'' column the following symbols are used: ``E'' for Endangered, ``T'' for Threatened, and ``E [or T] (S/A)'' for similarity of appearance species.

(d) The other data in the list are nonregulatory in nature and are provided

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for the information of the reader. In the annual revision and compilation of this title, the following information may be amended without public notice: the spelling of species' names, historical range, footnotes, references to certain other applicable portions of this title, synonyms, and more current names. In any of these revised entries, neither the species, as defined in paragraph (b) of this section, nor its status may be changed without following the procedures of part 424 of this title.

(e) The ``Historic range'' indicates the known general distribution of the species or subspecies as reported in the current scientific

literature. The present distribution may be greatly reduced from this historic range. This column does not imply any limitation on the application of the prohibitions in the Act or implementing rules. Such prohibitions apply to all individuals of the plant species, wherever found.

(f)(1) A footnote to the Federal Register publication(s) listing or reclassifying a species is indicated under the column ``When listed.'' Footnote numbers to Secs. 17.11 and 17.12 are in the same numerical sequence, since plants and animals may be listed in the same Federal Register document. That document, at least since 1973, includes a statement indicating the basis for the listing, as well as the effective date(s) of said listing.

(2) The ``Special rules'' and ``Critical habitat'' columns provide a cross reference to other sections in parts 17, 222, 226, or 227. The ``Special rules'' column will also be used to cite the special rules which describe experimental populations and determine if they are essential or nonessential. Separate listings will be made for experimental populations, and the status column will include the following symbols: ``XE'' for an essential experimental population and ``XN'' for a nonessential experimental population. The term ``NA'' (not applicable) appearing in either of these two columns indicates that there are no special rules and/or critical habitat for that particular species. However, all other appropriate rules in parts 17, 217 through 227, and 402 still apply to that species. In addition, there may be other rules in this title that relate to such plants, e.g., port-of-entry requirements. It is not intended that the references in the ``Special rules'' column list all the regulations of the two Services which might apply to the species or to the regulations of other Federal agencies or State or local governments.

(g) The listing of a particular taxon includes all lower taxonomic units (see Sec. 17.11(g) for examples).

(h) The ``List of Endangered and Threatened Plants'' is provided below:

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Species		Historic range	Family	Status	When listed	Critical habitat	Special rules
Scientific name	Common name						
Flowering Plants							
Abronia macrocarpa	Large-fruited sand-verbena.	U.S.A. (TX)	Nyctaginaceae	E	331	NA	NA
Abutilon eremitopetalum	None	U.S.A. (HI)	Malvaceae	E	435	NA	NA
Abutilon menziesii	Ko`oloa`ula	do	do	E	243	NA	NA
Abutilon sandwicense	None	do	do	E	448	NA	NA
Acaena exigua	Liliwai	do	Rosaceae	E	467	NA	NA
Acanthomintha obovata ssp. duttonii	San Mateo thornmint	U.S.A. (CA)	Lamiaceae	E	204	NA	NA
Achyranthes splendens var. rotundata	Round-leaved chaff-flower.	U.S.A. (HI)	Amaranthaceae	E	220	NA	NA
Aconitum noveboracense	Northern wild monkshood	U.S.A. (IA, NY, OH, WI)	Ranunculaceae	T	39	NA	NA
Aeschynomene virginica	Sensitive joint-vetch	U.S.A. (DE, MD, NC, NJ, PA, VA)	Fabaceae	T	470	NA	NA
Agalinis acuta	Sandplain gerardia	U.S.A. (CT, MA, MD, NY,	Scrophulariaceae	E	325	NA	NA

RI).
Agave arizonica..... Arizona agave..... U.S.A. (AZ)..... Agavaceae..... E 147 NA NA
Alectryon macrococcus..... Mahoe..... U.S.A. (HI)..... Sapindaceae..... E 467 NA NA
Alsinidendron obovatum..... None..... .....do..... Caryophyllaceae..... E 448 NA NA
Alsinidendron trinerve..... .....do..... .....do..... .....do..... E 448 NA NA
Amaranthus brownii..... .....do..... U.S.A. (HI)..... Amaranthaceae..... E 587 NA NA
Amaranthus pumilus..... Seabeach amaranth..... U.S.A. (DE, MA, MD, NC, ...do..... T 498 NA NA
NJ, NY, RI, SC, VA).
Ambrosia cheiranthifolia..... South Texas ambrosia.... U.S.A. (TX)..... Asteraceae..... E 547 NA NA
Amorpha crenulata..... Crenulate lead-plant.... U.S.A. (FL)..... Fabaceae..... E 192 NA NA
Amphianthus pusillus..... Little amphianthus..... U.S.A. (AL, GA, SC)..... Scrophulariaceae..... T 302 NA NA
Amsinckia grandiflora..... Large-flowered U.S.A. (CA)..... Boraginaceae..... E 179 17.96(a) NA
fiddleneck.
Amsonia kearneyana..... Kearney's blue-star..... U.S.A. (AZ)..... Apocynaceae..... E 343 NA NA
Ancistrocactus (=Echinocactus Tobusch fishhook cactus. U.S.A. (TX)..... Cactaceae..... E 80 NA NA
=Mammillaria) tobuschii .
Apios priceana..... Price's potato-bean..... U.S.A. (AL, IL, KY, MS, Fabaceae..... T 373 NA NA
TN).
Arabis mcdonaldiana..... McDonald's rock-cress... U.S.A. (CA)..... Brassicaceae..... E 44 NA NA
Arabis perstellata..... Rock-cress..... U.S.A. (AL, KY, TN)..... .....do..... E 570 NA NA
Arabis serotina..... Shale barren rock-cress. U.S.A. (VA, WV)..... .....do..... E 352 NA NA
Arctomecon humilis..... Dwarf bear-poppy..... U.S.A. (UT)..... Papaveraceae..... E 78 NA NA
Arctostaphylos hookeri (=pungens) Presidio (=Raven's) U.S.A. (CA)..... Ericaceae..... E 65 NA NA
var. ravenii . manzanita.
Arctostaphylos morroensis..... Manzanita, Morro..... .....do..... .....do..... T 567 NA NA
Arenaria cumberlandensis..... Cumberland sandwort..... U.S.A. (KY, TN)..... Caryophyllaceae..... E 311 NA
NA
Arenaria paludicola..... Marsh sandwort..... U.S.A. (CA, OR, WA)..... .....do..... E 511 NA NA
Argemone pleiacantha ssp. Sacramento prickly-poppy U.S.A. (NM)..... Papaveraceae..... E 360 NA
NA
pinnatisecta.
Argyroxiphium kauense..... Ka`u silversword..... U.S.A. (HI)..... Asteraceae..... E 497 NA NA
Argyroxiphium sandwicense ssp. `Ahinahina (=Haleakala .....do..... .....do..... E 467 NA NA
macrocephalum. silversword).
Argyroxiphium sandwicense ssp. `Ahinahina (=Mauna Kea .....do..... .....do..... E 219 NA NA
sandwicense. silversword).
Aristida chaseae..... None..... U.S.A. (PR)..... Poaceae..... E 501 NA NA
Aristida portoricensis..... Pelos del diablo..... .....do..... .....do..... E 398 NA NA
Asclepias meadii..... Mead's milkweed..... U.S.A. (IA, IL, IN, KS, Asclepiadaceae..... T 321 NA NA
MO, WI).
Asclepias welshii..... Welsh's milkweed..... U.S.A. (AZ, UT)..... .....do..... T 295 17.96(a) NA

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Asimina tetramera..... Four-petal pawpaw..... U.S.A. (FL)..... Annonaceae..... E 244 NA NA
Astragalus albens..... Cushenbury milk-vetch... U.S.A. (CA)..... Fabaceae..... E 548 NA NA
Astragalus applegatei..... Applegate's milk-vetch.. U.S.A. (OR)..... .....do..... E 510 NA NA
Astragalus bibullatus..... Pyne's (=Guthrie's) U.S.A. (TN)..... .....do..... E 437 NA NA
ground-plum.
Astragalus cremnophylax var. Sentry milk-vetch..... U.S.A. (AZ)..... .....do..... E 409 NA NA
cremnophylax.
Astragalus humillimus..... Mancos milk-vetch..... U.S.A. (CO, NM)..... .....do..... E 187 NA NA
Astragalus montii (=A. limnocharis Heliotrope milk-vetch... U.S.A. (UT)..... .....do..... T 298 17.96(a) NA
var. m.).
Astragalus osterhoutii..... Osterhout milk-vetch.... U.S.A. (CO)..... .....do..... E 353 NA NA
Astragalus phoenix..... Ash Meadows milk-vetch.. U.S.A. (NV)..... .....do..... T 181 17.96(a) NA
Astragalus robbinsii var. jesupi.... Jesup's milk-vetch..... U.S.A. (NH, VT)..... .....do..... E 271 NA NA
Astrophytum (=Echinocactus) asterias Star cactus..... U.S.A. (TX), Mexico..... Cactaceae..... E 521 NA NA
Auerodendron pauciflorum..... None..... U.S.A. (PR)..... Rhamnaceae..... E 531 NA NA
Ayenia limitaris..... Texas ayenia..... U.S.A. (TX), Mexico..... Sterculiaceae..... E 547 NA NA
Banara vanderbiltii..... Palo de Ramon..... U.S.A. (PR)..... Flacourtiaceae..... E 255 NA NA
Baptisia arachnifera..... Hairy rattleweed..... U.S.A. (GA)..... Fabaceae..... E 39 NA NA
Berberis sonnei (=Mahonia s.)..... Truckee barberry..... U.S.A. (CA)..... Berberidaceae..... E 76 NA NA
Betula uber..... Virginia round-leaf U.S.A. (VA)..... Betulaceae..... T 39, 560 NA NA
birch.
Bidens micrantha ssp. kalealaha..... Ko`oko`olau..... U.S.A. (HI)..... Asteraceae..... E 467 NA NA
Bidens wiebkei..... .....do..... .....do..... .....do..... E 480 NA NA
Blennosperma bakeri..... Sonoma sunshine U.S.A. (CA)..... .....do..... E 453 NA NA

(=Baker's stickyseed).
Boltonia decurrens..... Decurrent false aster... U.S.A. (IL, MO)..... .....do..... T 341 NA NA
Bonamia grandiflora..... Florida bonamia..... U.S.A. (FL)..... Convolvulaceae..... T 297 NA NA
Bonamia menziesii..... None..... U.S.A. (HI)..... .....do..... E 559 NA NA
Brighamia insignis..... `Olulu..... .....do..... Campanulaceae..... E 530 NA NA
Brighamia rockii..... Pua `ala..... .....do..... .....do..... E 480 NA NA
Buxus vahlii..... Vahl's boxwood..... U.S.A. (PR)..... Buxaceae..... E 197 NA NA
Caesalpinia (=Mezoneuron) kavaiense. Uhiuhi..... U.S.A. (HI)..... Fabaceae..... E 238 NA NA
Callicarpa ampla..... Capa rosa (=pendula U.S.A. (PR)..... Verbenaceae..... E 461 NA NA
cimarrona).
Callirhoe scabriuscula..... Texas poppy-mallow..... U.S.A. (TX)..... Malvaceae..... E 109, 112 NA NA
Calochortus tiburonensis..... Tiburon mariposa lily... U.S.A. (CA)..... Liliaceae..... T 575 NA NA
Calyptranthes thomasiana..... None..... U.S.A. (PR, VI) British Myrtaceae..... E 529 NA NA
VI.
Calyptronoma rivalis..... Palma de manaca or manac U.S.A. (PR)..... Arecaceae..... T 375 NA NA
palm.
Camissonia benitensis..... San Benito evening- U.S.A. (CA)..... Onagraceae..... T 172 NA NA
primrose.
Campanula robinsiae..... Brooksville (=Robins') U.S.A. (FL)..... Campanulaceae..... E 356 NA NA
bellflower.
Canavalia molokaiensis..... `Awikiwiki..... U.S.A. (HI)..... Fabaceae..... E 480 NA NA
Cardamine micranthera..... Small-anthered U.S.A. (NC)..... Brassicaceae..... E 363 NA NA
bittercress.
Carex specuicola..... Navajo sedge..... U.S.A. (AZ)..... Cyperaceae..... T 178 17.96(a) NA
Castilleja affinis ssp. neglecta.... Tiburon paintbrush..... U.S.A. (CA)..... Scrophulariaceae..... E 575 NA NA
Castilleja grisea..... San Clemente Island .....do..... .....do..... E 26 NA NA
Indian paintbrush.
Caulanthus californicus..... California jewelflower.. .....do..... Brassicaceae..... E 395 NA NA
Ceanothus ferrisae..... Coyote ceanothus .....do..... Rhamnaceae..... E 575 NA NA
(=Coyote Valley
California-lilac).
Centaurium namophilum..... Spring-loving centaury.. U.S.A. (CA, NV)..... Gentianaceae..... T 181 17.96(a)
NA
Centaurium sebaeoides..... `Awiwi..... U.S.A. (HI)..... .....do..... E 448 NA NA
Cereus eriophorus var. fragrans..... Fragrant prickly-apple.. U.S.A. (FL)..... Cactaceae..... E 208 NA NA
Chamaecrista glandulosa var. None..... U.S.A. (PR)..... Fabaceae..... E 379 NA NA
mirabilis (=Cassia m.).

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Chamaesyce (=Euphorbia) deltoidea Deltoid spurge..... U.S.A. (FL)..... Euphorbiaceae..... E 192 NA NA
ssp. deltoidea.
Chamaesyce (=Euphorbia) deppeana.... `Akoko..... U.S.A. (HI)..... .....do..... E 536 NA NA
Chamaesyce (=Euphorbia) garberi .... Garber's spurge..... U.S.A. (FL)..... .....do..... T 192 NA NA
Chamaesyce (=Euphorbia) skottsbergii `Ewa Plains `akoko..... U.S.A. (HI)..... .....do..... E 120 NA NA
var. kalaeloana.
Chamaesyce celastroides var. kaenana `Akoko..... .....do..... .....do..... E 448 NA NA
Chamaesyce halemanui..... None..... .....do..... .....do..... E 464 NA NA
Chamaesyce kuwaleana..... `Akoko..... .....do..... .....do..... E 448 NA NA
Chionanthus pygmaeus..... Pygmy fringe-tree..... U.S.A. (FL)..... Oleaceae..... E 256 NA NA
Chorizanthe howellii..... Howell's spineflower.... U.S.A. (CA)..... Polygonaceae..... E 472 NA NA
Chorizanthe pungens var. hartwegiana Ben Lomond spineflower.. .....do..... .....do..... E 528 NA NA
Chorizanthe pungens var. pungens.... Monterey spineflower.... .....do..... .....do..... T 528 NA NA
Chorizanthe robusta (incl. vars. Robust (incl. Scotts .....do..... .....do..... E 528 NA NA
robusta & hartwegii). Valley) spineflower.
Chorizanthe valida..... Sonoma spineflower..... .....do..... .....do..... E 472 NA NA
Chrysopsis (=Heterotheca) floridana Florida golden aster.... U.S.A. (FL)..... Asteraceae..... E 232 NA NA
Cirsium fontinale var. fontinale.... Fountain thistle..... U.S.A. (CA)..... .....do..... E 575 NA NA
Cirsium fontinale var. obispoense... Thistle, Chorro Creek .....do..... .....do..... E 567 NA NA
bog.
Cirsium pitcheri..... Pitcher's thistle..... U.S.A. (IL, IN, MI, WI), ...do..... T 315 NA NA
Canada (Ont.).
Cirsium vinaceum..... Sacramento Mountains U.S.A. (NM)..... .....do..... T 276 NA NA
thistle.
Clarkia franciscana..... Presidio clarkia..... U.S.A. (CA)..... Onagraceae..... E 575 NA NA
Clarkia speciosa ssp. immaculata.... Pismo clarkia..... .....do..... .....do..... E 567 NA NA
Clematis morefieldii..... Morefield's leather- U.S.A. (AL)..... Ranunculaceae..... E 468 NA NA
flower.

Clematis socialis..... Alabama leather-flower.. .....do..... .....do..... E 245 NA NA
Clermontia lindseyana..... `Oha wai..... U.S.A. (HI)..... Campanulaceae..... E 532 NA NA
Clermontia oblongifolia ssp. .....do..... .....do..... .....do..... E 480 NA NA
brevipes.
Clermontia oblongifolia ssp. .....do..... .....do..... .....do..... E 467 NA NA
mauiensis.
Clermontia peleana..... .....do..... .....do..... .....do..... E 532 NA NA
Clermontia pyrularia..... .....do..... .....do..... .....do..... E 532 NA NA
Clitoria fragrans..... Pigeon wings..... U.S.A. (FL)..... Fabaceae..... T 500 NA NA
Colubrina oppositifolia..... Kauila..... U.S.A. (HI)..... Rhamnaceae..... E 532 NA NA
Conradina brevifolia..... Short-leaved rosemary... U.S.A. (FL)..... Lamiaceae..... E 507 NA NA
Conradina etonia..... Etonia rosemary..... .....do..... .....do..... E 507 NA NA
Conradina glabra..... Apalachicola rosemary... .....do..... .....do..... E 507 NA NA
Conradina verticillata..... Cumberland rosemary..... U.S.A. (KY, TN)..... .....do..... T 452 NA NA
Cordylanthus maritimus ssp. Salt marsh bird's-beak.. U.S.A. (CA), Mexico Scrophulariaceae..... E 44 NA
NA
maritimus. (Baja California).
Cordylanthus palmatus..... Palmate-bracted bird's- U.S.A. (CA)..... .....do..... E 235 NA NA
beak.
Cordylanthus tenuis ssp. capillaris. Pennell's bird's-beak... .....do..... .....do..... E 575 NA NA
Cornutia obovata..... Palo de nigua (=capa U.S.A. (PR)..... Verbenaceae..... E 307 NA NA
jugerilla).
Coryphantha (=Cochiseia =Escobaria) Cochise pincushion U.S.A. (AZ), Mexico Cactaceae..... T 214 NA
NA
robbinsorum. cactus. (Sonora).
Coryphantha (=Escobaria Nellie cory cactus..... U.S.A. (TX)..... .....do..... E 81 NA NA
=Mammillaria) minima (=C. nellieae).
Coryphantha ramillosa..... Bunched cory cactus..... U.S.A. (TX), Mexico .....do..... T 77 NA NA
(Coahuila).
Coryphantha scheeri var. Pima pineapple cactus... U.S.A. (AZ), Mexico .....do..... E 515 NA NA
robustispina. (Sonora).

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Coryphantha sneedii (=Escobaria Lee pincushion cactus... U.S.A. (NM)..... .....do..... T 61 NA NA
=Mammillaria) var. leei .
Coryphantha sneedii (=Escobaria Sneed pincushion cactus. U.S.A. (NM, TX)..... .....do..... E 82 NA NA
=Mammillaria) var. sneedii .
Cranichis ricartii..... None..... U.S.A. (PR)..... Orchidaceae..... E 451 NA NA
Crescentia portoricensis..... Higuero de Sierra..... .....do..... Bignoniaceae..... E 301 NA NA
Crotalaria avonensis..... Avon Park harebells..... U.S.A. (FL)..... Fabaceae..... E 500 NA NA
Cryptantha crassipes..... Terlingua Creek cats-eye U.S.A. (TX)..... Boraginaceae..... E 439 NA NA
Cucurbita okeechobeensis ssp. Okeechobee gourd..... U.S.A. (FL)..... Cucurbitaceae..... E 507 NA NA
okeechobeensis.
Cyanea asarifolia..... Haha..... U.S.A. (HI)..... Campanulaceae..... E 530 NA NA
Cyanea copelandii ssp. copelandii... .....do..... .....do..... .....do..... E 532 NA NA
Cyanea grimesiana ssp. obatae..... .....do..... .....do..... .....do..... E 541 NA NA
Cyanea hamatiflora ssp. carlsonii... .....do..... .....do..... .....do..... E 532 NA NA
Cyanea lobata..... .....do..... .....do..... .....do..... E 467 NA NA
Cyanea macrostegia ssp. gibsonii.... None..... .....do..... .....do..... E 435 NA NA
Cyanea mannii..... Haha..... .....do..... .....do..... E 480 NA NA
Cyanea mceldowneyi..... .....do..... .....do..... .....do..... E 467 NA NA
Cyanea pinnatifida..... .....do..... .....do..... .....do..... E 448 NA NA
Cyanea procera..... .....do..... .....do..... .....do..... E 480 NA NA
Cyanea shipmannii..... .....do..... .....do..... .....do..... E 532 NA NA
Cyanea stictophylla..... .....do..... .....do..... .....do..... E 532 NA NA
Cyanea superba..... None..... .....do..... .....do..... E 467 NA NA
Cyanea truncata..... Haha..... .....do..... .....do..... E 536 NA NA
Cyanea undulata..... None..... .....do..... .....do..... E 436 NA NA
Cycladenia humilis var. jonesii..... Jones cycladenia..... U.S.A. (AZ, UT)..... Apocynaceae..... T 229 NA NA
Cyrtandra crenata..... Ha`iwale..... U.S.A. (HI)..... Gesneriaceae..... E 536 NA NA
Cyrtandra giffardii..... .....do..... .....do..... .....do..... E 532 NA NA
Cyrtandra limahuliensis..... .....do..... .....do..... .....do..... T 530 NA NA
Cyrtandra munroi..... .....do..... .....do..... .....do..... E 467 NA NA
Cyrtandra polyantha..... .....do..... .....do..... .....do..... E 536 NA NA
Cyrtandra tintinnabula..... .....do..... .....do..... .....do..... E 532 NA NA
Dalea foliosa (=Petalostemum f.).... Leafy prairie-clover.... U.S.A. (AL, IL, TN)..... Fabaceae..... E 422 NA NA
Daphnopsis hellerana..... None..... U.S.A. (PR)..... Thymelaeaceae..... E 309 NA NA

Deeringothamnus pulchellus..... Beautiful pawpaw..... U.S.A. (FL)..... Annonaceae..... E 244 NA NA
Deeringothamnus rugelii..... Rugel's pawpaw..... .....do..... .....do..... E 244 NA NA
Delissea rhytidosperma..... None..... U.S.A. (HI)..... Campanulaceae..... E 530 NA NA
Delphinium variegatum ssp. kinkiense San Clemente Island U.S.A. (CA)..... Ranunculaceae..... E 26 NA NA
(=D. k.). larkspur.
Dicerandra christmanii..... Garrett's mint..... U.S.A. (FL)..... Lamiaceae..... E 207, 362 NA NA
Dicerandra cornutissima..... Longspurred mint..... .....do..... .....do..... E 207 NA NA
Dicerandra frutescens..... Scrub mint..... .....do..... .....do..... E 207, 362 NA NA
Dicerandra immaculata..... Lakela's mint..... .....do..... .....do..... E 180 NA NA
Dodecahema (=Centrostegia) Slender-horned U.S.A. (CA)..... Polygonaceae..... E 291 NA NA
leptoceras. spineflower.
Dubautia herbstobatae..... Na`ena`e..... U.S.A. (HI)..... Asteraceae..... E 448 NA NA
Dubautia latifolia..... None..... .....do..... .....do..... E 464 NA NA
Dubautia pauciflorula..... .....do..... .....do..... .....do..... E 436 NA NA

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Dudleya setchellii..... Santa Clara Valley U.S.A. (CA)..... Crassulaceae..... E 575 NA NA
dudleya.
Dudleya traskiae..... Santa Barbara Island .....do..... .....do..... E 39 NA NA
liveforever.
Echinacea laevigata..... Smooth coneflower..... U.S.A. (GA, MD, NC, PA, Asteraceae..... E 481 NA NA
SC, VA).
Echinacea tennesseensis..... Tennessee purple U.S.A. (TN)..... .....do..... E 49 NA NA
coneflower.
Echinocactus horizonthalonius var. Nichol's Turk's head U.S.A. (AZ)..... Cactaceae..... E 71 NA NA
nicholii. cactus.
Echinocereus chisoensis Chisos Mountain hedgehog U.S.A. (TX)..... .....do..... T 335 NA NA
(=reichenbachii) var. chisoensis. cactus.
Echinocereus fendleri (=hempelii of Kuenzler hedgehog cactus U.S.A. (NM)..... .....do..... E 70 NA NA
authors, not Fobe) var. kuenzleri.
Echinocereus lloydii (=E. roetteri Lloyd's hedgehog cactus. U.S.A. (NM, TX)..... .....do..... E 67 NA NA
var. l.).
Echinocereus reichenbachii var. Black lace cactus..... U.S.A. (TX)..... .....do..... E 68 NA NA
albertii (=E. melanocentrus).
Echinocereus triglochidiatus var. Arizona hedgehog cactus. U.S.A. (AZ)..... .....do..... E 62 NA NA
arizonicus (=E. arizonicus).
Echinocereus viridiflorus var. Davis' green pitaya..... U.S.A. (TX)..... .....do..... E 81 NA NA
davisii (=E. davisii).
Echinomastus (=Echinocactus, Lloyd's Mariposa cactus. U.S.A. (TX), Mexico .....do..... T 77 NA NA
=Sclerocactus, =Neolloydia) (Coahuila).
mariposensis.
Enceliopsis nudicaulis var. Ash Meadows sunray..... U.S.A. (NV)..... Asteraceae..... T 181 17.96(a) NA
corrugata.
Eremalche kernensis (=E. parryi ssp. Kern mallow..... U.S.A. (CA)..... Malvaceae..... E 395 NA NA
k.).
Eriastrum densifolium ssp. sanctorum Santa Ana River woolly- .....do..... Polemoniaceae..... E 291 NA NA
star.
Eriastrum hooveri..... Hoover's woolly-star.... .....do..... .....do..... T 395 NA NA
Erigeron maguirei var. maguirei..... Maguire daisy..... U.S.A. (UT)..... Asteraceae..... T 202, 584 NA NA
Erigeron parishii..... Parish's daisy..... U.S.A. (CA)..... .....do..... T 548 NA NA
Erigeron rhizomatus..... Zuni (=Rhizome) fleabane U.S.A. (NM)..... .....do..... T 177 NA NA
Eriodictyon altissimum..... Indian Knob mountain U.S.A. (CA)..... Hydrophyllaceae..... E 567 NA NA
balm.
Eriogonum gypsophilum..... Gypsum wild-buckwheat... U.S.A. (NM)..... Polygonaceae..... T 110, 112 17.96(a)
NA
Eriogonum longifolium var. Scrub buckwheat..... U.S.A. (FL)..... .....do..... T 500 NA NA
gnaphalifolium.
Eriogonum ovalifolium var. vineum.. Cushenbury buckwheat.... U.S.A. (CA)..... .....do..... E 548 NA NA
Eriogonum ovalifolium var. Steamboat buckwheat..... U.S.A. (NV)..... .....do..... E 237 NA NA
williamsiae.
Eriogonum pelinophilum..... Clay-loving wild- U.S.A. (CO)..... .....do..... E 151 17.96(a) NA
buckwheat.
Eriophyllum latilobum..... San Mateo woolly U.S.A. (CA)..... Asteraceae..... E 575 NA NA
sunflower.
Eryngium aristulatum var. parishii.. San Diego button-celery. .....do..... Apiaceae..... E 512 NA NA
Eryngium constancei..... Loch Lomond coyote- .....do..... .....do..... E 194E, NA NA

thistle. 249
Eryngium cuneifolium..... Snakeroot..... U.S.A. (FL)..... .....do..... E 256 NA NA
Erysimum capitatum var. angustatum.. Contra Costa wallflower. U.S.A. (CA)..... Brassicaceae..... E 39 17.96(a) NA
Erysimum menziesii..... Menzies' wallflower..... .....do..... .....do..... E 472 NA NA
Erysimum teretifolium..... Ben Lomond wallflower... .....do..... Brassicacae..... E 528 NA NA
Erythronium propullans..... Minnesota trout lily.... U.S.A. (MN)..... Liliaceae..... E 221 NA NA

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Eugenia haematocarpa..... Uvillo..... U.S.A. (PR)..... Myrtaceae..... E 564 NA NA
Eugenia koolauensis..... Nioi..... U.S.A. (HI)..... .....do..... E 536 NA NA
Eugenia woodburyana..... None..... U.S.A. (PR)..... .....do..... E 551 NA NA
Euphorbia telephioides..... Telephus spurge..... U.S.A. (FL)..... Euphorbiaceae..... T 463 NA NA
Eutrema penlandii..... Penland alpine fen mustard. U.S.A. (CO)..... Brassicaceae..... T 509 NA NA
Exocarpos luteolus..... Heau..... U.S.A. (HI)..... Santalaceae..... E 530 NA NA
Flueggea neowawraea..... Mehamehame..... .....do..... Euphorbiaceae..... E 559 NA NA
Frankenia johnstonii..... Johnston's frankenia.... U.S.A. (TX), Mexico (Nuevo Leon). Frankeniaceae..... E 155 NA NA
Gahnia lanaiensis..... None..... U.S.A. (HI)..... Cyperaceae..... E 435 NA NA
Galactia smallii..... Small's milkpea..... U.S.A. (FL)..... Fabaceae..... E 192 NA NA
Gardenia brighamii..... Na`u or Hawaiian gardenia. U.S.A. (HI)..... Rubiaceae..... E 198 NA NA
Geocarpon minimum..... None..... U.S.A. (AR, LA, MO)..... Caryophyllaceae..... T 275 NA NA
Geranium arboreum..... Hawaiian red-flowered geranium. U.S.A. (HI)..... Geraniaceae..... E 465 NA NA
Geranium multiflorum..... Nohoanu..... .....do..... .....do..... E 467 NA NA
Gesneria pauciflora..... None..... U.S.A. (PR)..... Gesneriaceae..... T 578 NA NA
Geum radiatum..... Spreading avens..... U.S.A. (NC, TN)..... Rosaceae..... E 381 NA NA
Gilia tenuiflora ssp. arenaria..... Monterey gilia..... U.S.A. (CA)..... Polemoniaceae..... E 472 NA NA
Goetzea elegans..... Beautiful goetzea or matabuey. U.S.A. (PR)..... Solanaceae..... E 176 NA NA
Gouania hillebrandii..... None..... U.S.A. (HI)..... Rhamnaceae..... E 165 17.96(a) NA
Gouania meyenii..... .....do..... .....do..... .....do..... E 448 NA NA
Gouania vitifolia..... .....do..... .....do..... .....do..... E 541 NA NA
Grindelia fraxino-pratensis..... Ash Meadows gumplant.... U.S.A. (CA, NV)..... Asteraceae..... T 181 17.96(a) NA
Haplostachys haplostachya..... None..... U.S.A. (HI)..... Lamiaceae..... E 73 NA NA
Harperocallis flava..... Harper's beauty..... U.S.A. (FL)..... Liliaceae..... E 57 NA NA
Harrisia (=Cereus) portoricensis.... Higo chumbo..... U.S.A. (PR)..... Cactaceae..... T 397 NA NA
Hedeoma todsenii..... Todsen's pennyroyal..... U.S.A. (NM)..... Lamiaceae..... E 110, 112 17.96(a) NA
Hedyotis cookiana..... `Awiwi..... U.S.A. (HI)..... Rubiaceae..... E 530 NA NA
Hedyotis coriacea..... Kio`ele..... .....do..... .....do..... E 467 NA NA
Hedyotis degeneri..... None..... .....do..... .....do..... E 448 NA NA
Hedyotis mannii..... Pilo..... .....do..... .....do..... E 480 NA NA
Hedyotis parvula..... None..... .....do..... .....do..... E 448 NA NA
Hedyotis purpurea var. montana..... Roan Mountain bluet..... U.S.A. (NC, TN)..... .....do..... E 381 NA NA
Hedyotis st.-johnii..... Na Pali beach hedyotis.. U.S.A. (HI)..... .....do..... E 441 NA NA
Helianthus schweinitzii..... Schweinitz's sunflower.. U.S.A. (NC, SC)..... Asteraceae..... E 424 NA NA
Helonias bullata..... Swamp pink..... U.S.A. (DE, GA, MD, NC, NJ, NY, SC, VA). Liliaceae..... T 326 NA NA
Hesperolinon congestum..... Marin dwarf-flax..... U.S.A. (CA)..... Linaceae..... T 575 NA NA
Hesperomannia arborescens..... None..... U.S.A. (HI)..... Asteraceae..... E 536 NA NA
Hesperomannia arbuscula..... .....do..... .....do..... .....do..... E 448 NA NA
Hesperomannia lydgatei..... .....do..... .....do..... .....do..... E 436 NA NA
Hexastylis naniflora..... Dwarf-flowered heartleaf U.S.A. (NC, SC)..... Aristolochiaceae..... T 347 NA NA
Hibiscadelphus distans..... Kauai hau kuahiwi..... U.S.A. (HI)..... Malvaceae..... E 225 NA NA
Hibiscus arnottianus ssp. immaculatus. Koki`o ke`oke`o..... .....do..... .....do..... E 480 NA NA
Hibiscus brackenridgei..... Ma`o hau hele..... .....do..... .....do..... E 559 NA NA
Hibiscus clayi..... Clay's hibiscus..... .....do..... .....do..... E 530 NA NA
Hoffmannseggia tenella..... Slender rush-pea..... U.S.A. (TX)..... Fabaceae..... E 209 NA NA
Howellia aquatilis..... Water howellia..... U.S.A. (CA, ID, MT, OR, WA). Campanulaceae..... T 542 NA NA
Hudsonia montana..... Mountain golden heather. U.S.A. (NC)..... Cistaceae..... T 107 17.96(a) NA
Hymenoxys herbacea (=acaulis var. glabra). Lakeside daisy..... U.S.A. (IL, OH), Canada (Ont.). Asteraceae..... T 310 NA NA

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Hymenoxys texana..... Texas prairie dawn-flower (=Texas bitterweed). U.S.A. (TX)..... .....do..... E 218 NA NA
Hypericum cumulicola..... Highlands scrub hypericum. U.S.A. (FL)..... Hypericaceae..... E 256 NA NA
Ilex cookii..... Cook's holly..... U.S.A. (PR)..... Aquifoliaceae..... E 277 NA NA
Ilex sintenisii..... None..... .....do..... .....do..... E 461 NA NA
Iliamna corei..... Peter's Mountain mallow. U.S.A. (VA)..... Malvaceae..... E 230 NA NA
Ipomopsis sancti-spiritus..... Holy Ghost ipomopsis.... U.S.A. (NM)..... Polemoniaceae..... E 535 NA NA
Iris lacustris..... Dwarf lake iris..... U.S.A. (MI, WI), Canada (Ont.). Iridaceae..... T 330 NA NA
Ischaemum byrone..... Hilo ischaemum..... U.S.A. (HI)..... Poaceae..... E 532 NA NA
Isodendrion hosakae..... Aupaka..... .....do..... Violaceae..... E 414 NA NA
Isodendrion pyrifolium..... Wahine noho kula..... .....do..... .....do..... E 532 NA NA
Isotria medeoloides..... Small whorled pogonia... U.S.A. (CT, DC, DE, GA, IL, MA, MD, ME, MI, MO, NC, NH, NJ, NY, PA, RI, SC, TN, VA, VT), Canada (Ont.). Orchidaceae..... T 122, 556 NA NA
Ivesia kingii var. eremica..... Ash Meadows ivesia..... U.S.A. (NV)..... Rosaceae..... T 181 17.96(a) NA
Jacquemontia reclinata..... Beach jacquemontia..... U.S.A. (FL)..... Convolvulaceae..... E 523 NA NA
Jatropha costaricensis..... Costa Rican jatropha.... Costa Rica..... Euphorbiaceae..... E 154 NA NA
Justicia cooleyi..... Cooley's water-willow... U.S.A. (FL)..... Acanthaceae..... E 356 NA NA
Kokia cookei..... Cooke's koki`o..... U.S.A. (HI)..... Malvaceae..... E 74 NA NA
Kokia drynarioides..... Koki`o (=hau-hele`ula or Hawaii tree cotton). .....do..... .....do..... E 167 17.96(a) NA
Labordia lydgatei..... Kamakahala..... .....do..... Loganiaceae..... E 436 NA NA
Lasthenia burkei..... Burke's goldfields..... U.S.A. (CA)..... Asteraceae..... E 453 NA NA
Layia carnosa..... Beach layia..... .....do..... .....do..... E 472 NA NA
Lembertia congdonii..... San Joaquin wooly-threads. .....do..... .....do..... E 395 NA NA
Lepanthes eltoroensis..... None..... U.S.A. (PR)..... Orchidaceae..... E 451 NA NA
Lepidium barnebyanum..... Barneby ridge-cress (=peppercress). U.S.A. (UT)..... Brassicaceae..... E 402 NA NA
Leptocereus grantianus..... None..... U.S.A. (PR)..... Cactaceae..... E 491 NA NA
Lespedeza leptostachya..... Prairie bush-clover..... U.S.A. (IA, IL, MN, WI). Fabaceae..... T 254 NA NA
Lesquerella congesta..... Dudley Bluffs bladderpod U.S.A. (CO)..... Brassicaceae..... T 374 NA NA
Lesquerella filiformis..... Missouri bladderpod..... U.S.A. (MO)..... .....do..... E 253 NA NA
Lesquerella kingii ssp. bernardina. San Bernardino Mountains bladderpod. U.S.A. (CA)..... .....do..... E 548 NA NA
Lesquerella lyrata..... Lyrate bladderpod..... U.S.A. (AL)..... .....do..... T 403 NA NA
Lesquerella pallida..... White bladderpod..... U.S.A. (TX)..... .....do..... E 260 NA NA
Lesquerella tumulosa..... Kodachrome bladderpod... U.S.A. (UT)..... .....do..... E 519 NA NA
Liatris helleri..... Heller's blazingstar.... U.S.A. (NC)..... Asteraceae..... T 300 NA NA
Liatris ohlingerae..... Scrub blazingstar..... U.S.A. (FL)..... .....do..... E 356 NA NA
Lilium occidentale..... Western lily..... U.S.A. (OR, CA)..... Liliaceae..... E 544 NA NA
Limnanthes floccosa ssp. californica Butte County meadowfoam. U.S.A. (CA)..... Limnanthaceae..... E 471 NA NA
Limnanthes vinculans..... Sebastopol meadowfoam... .....do..... .....do..... E 453 NA NA
Lindera melissifolia..... Pondberry..... U.S.A. (AL, AR, FL, GA, LA, MO, MS, NC, SC). Lauraceae..... E 240 NA NA
Lipochaeta fauriei..... Nehe..... U.S.A. (HI)..... Asteraceae..... E 530 NA NA
Lipochaeta kamolensis..... .....do..... .....do..... .....do..... E 467 NA NA
Lipochaeta lobata var. leptophylla.. .....do..... .....do..... .....do..... E 448 NA NA
Lipochaeta micrantha..... .....do..... .....do..... .....do..... E 530 NA NA

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Lipochaeta tenuifolia..... .....do..... .....do..... .....do..... E 448 NA NA
Lipochaeta venosa..... None..... .....do..... .....do..... E 73 NA NA
Lipochaeta waimeaensis..... Nehe..... .....do..... .....do..... E 530 NA NA
Lobelia niihauensis..... None..... .....do..... Campanulaceae..... E 448 NA NA
Lobelia oahuensis..... .....do..... .....do..... .....do..... E 536 NA NA

Lomatium bradshawii..... Bradshaw's desert- parsley (=lomatium). U.S.A. (OR, WA)..... Apiaceae..... E 333 NA NA
Lotus dendroideus (=scoparius) ssp. traskiae. San Clemente Island broom. U.S.A. (CA)..... Fabaceae..... E 26 NA NA
Lupinus aridorum..... Scrub lupine..... U.S.A. (FL)..... .....do..... E 264 NA NA
Lupinus tidestromii..... Clover lupine..... U.S.A. (CA)..... .....do..... E 472 NA NA
Lyonia truncata var. proctorii..... None..... U.S.A. (PR)..... Ericaceae..... E 501 NA NA
Lysimachia asperulaefolia..... Rough-leaved loosestrife U.S.A. (NC, SC)..... Primulaceae..... E 274 NA NA
Lysimachia filifolia..... None..... U.S.A. (HI)..... .....do..... E 530 NA NA
Lysimachia lydgatei..... .....do..... .....do..... .....do..... E 467 NA NA
Macbridea alba..... White birds-in-a-nest... U.S.A. (FL)..... Lamiaceae..... T 463 NA NA
Malacothamnus clementinus..... San Clemente Island bush- mallow. U.S.A. (CA)..... Malvaceae..... E 26 NA NA
Manihot walkerae..... Walker's manioc..... U.S.A. (TX), Mexico..... Euphorbiaceae..... E 445 NA NA
Mariscus fauriei..... None..... U.S.A. (HI)..... Cyperaceae..... E 532 NA NA
Mariscus pennatiformis..... .....do..... .....do..... .....do..... E 559 NA NA
Marshallia mohrii..... Mohr's Barbara's buttons U.S.A. (AL, GA)..... Asteraceae..... T 324 NA NA
Melicope (=Pelea) lydgatei..... Alani..... U.S.A. (HI)..... Rutaceae..... E 536 NA NA
Melicope (=Pelea) mucronulata..... .....do..... .....do..... .....do..... E 467 NA NA
Melicope adscendens..... .....do..... .....do..... .....do..... E 565 NA NA
Melicope balloui..... .....do..... .....do..... .....do..... E 565 NA NA
Melicope haupuensis..... .....do..... .....do..... .....do..... E 530 NA NA
Melicope knudsenii..... .....do..... .....do..... .....do..... E 530 NA NA
Melicope ovalis..... .....do..... .....do..... .....do..... E 565 NA NA
Melicope pallida..... .....do..... .....do..... .....do..... E 530 NA NA
Melicope quadrangularis..... .....do..... .....do..... .....do..... E 530 NA NA
Melicope reflexa..... .....do..... .....do..... .....do..... E 480 NA NA
Mentzelia leucophylla..... Ash Meadows blazing-star U.S.A. (NV)..... Loasaceae..... T 181 17.96(a) NA NA
Mimulus glabratus var. michiganensis Michigan monkey-flower.. U.S.A. (MI)..... Scrophulariaceae..... E 392 NA NA
Mirabilis macfarlanei..... MacFarlane's four- o'clock. U.S.A. (ID, OR)..... Nyctaginaceae..... T 66 581 NA NA
Mitracarpus maxwelliae..... None..... U.S.A. (PR)..... Rubiaceae..... E 551 NA NA
Mitracarpus polycladus..... .....do..... U.S.A. (PR), Saba..... .....do..... E 551 NA NA
Munroidendron racemosum..... .....do..... U.S.A. (HI)..... Araliaceae..... E 530 NA NA
Myrcia paganii..... .....do..... U.S.A. (PR)..... Myrtaceae..... E 529 NA NA
Neraudia angulata..... .....do..... U.S.A. (HI)..... Urticaceae..... E 448 NA NA
Neraudia sericea..... .....do..... .....do..... .....do..... E 559 NA NA
Nitrophila mohavensis..... Amargosa niterwort..... U.S.A. (CA, NV)..... Chenopodiaceae..... E 181 17.96(a) NA
Nolina brittoniana..... Britton's beargrass..... U.S.A. (FL)..... Agavaceae..... E 500 NA NA
Nothocestrum breviflorum..... `Aiea..... U.S.A. (HI)..... Solanaceae..... E 532 NA NA
Nothocestrum peltatum..... .....do..... .....do..... .....do..... E 530 NA NA
Nototrichium humile..... Kulu`i..... .....do..... Amaranthaceae..... E 448 NA NA
Ochrosia kilaueaensis..... Holei..... .....do..... Apocynaceae..... E 532 NA NA
Oenothera avita ssp. eurekensis..... Eureka Valley evening- primrose. U.S.A. (CA)..... Onagraceae..... E 39 NA NA
Oenothera deltoides ssp. howellii... Antioch Dunes evening- primrose. .....do..... .....do..... E 39 17.96(a) NA
Opuntia treleasei..... Bakersfield cactus..... .....do..... Cactaceae..... E 395 NA NA
Orcuttia californica..... California Orcutt grass. .....do..... Poaceae..... E 512 NA NA
Ottoschulzia rhodoxylon..... Palo de rosa..... U.S.A. (PR), Dominican Republic. Icacinaceae..... E 385 NA NA

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Oxypolis canbyi..... Canby's dropwort..... U.S.A. (DE, GA, MD, NC, SC). Apiaceae..... E 217 NA NA
Oxytheca parishii var. goodmaniana.. Cushenbury oxytheca..... U.S.A. (CA)..... Polygonaceae..... E 548 NA NA
Oxytropis campestris var. chartacea. Fassett's locoweed..... U.S.A. (WI)..... Fabaceae..... T 329 NA NA
Panicum fauriei var. carteri..... Carter's panicgrass..... U.S.A. (HI)..... Poaceae..... E 133 17.96(a) NA
Paronychia chartacea (=Nyachia pulvinata). Papery whitlow-wort..... U.S.A. (FL)..... Caryophyllaceae..... T 256 NA NA
Pedicularis furbishiae..... Furbish lousewort..... U.S.A. (ME), Canada (N.B.). Scrophulariaceae..... E 39 NA NA
Pediocactus (=Echinocactus, =Utahia) sileri. Siler pincushion cactus. U.S.A. (AZ, UT)..... Cactaceae..... T 64, 524 NA NA

Pediocactus (=Echinocactus, =Navajoa , =Toumeya, =Utahia) peeblesianus var. peeblesianus. Peebles Navajo cactus... U.S.A. (AZ)..... .....do..... E 69 NA NA
Pediocactus (=Toumeya) bradyi..... Brady pincushion cactus. .....do..... .....do..... E 63 NA NA
Pediocactus (=Toumeya) knowltonii (=P. bradyi var. k.). Knowlton cactus..... U.S.A. (CO, NM)..... .....do..... E 72 NA NA
Pediocactus despainii..... San Rafael cactus..... U.S.A. (UT)..... .....do..... E 286 NA NA
Penstemon haydenii..... Blowout penstemon..... U.S.A. (NE)..... Scrophulariaceae..... E 285 NA NA
Penstemon penlandii..... Penland beardtongue..... U.S.A. (CO)..... .....do..... E 353 NA NA
Pentachaeta bellidiflora..... White-rayed pentachaeta. U.S.A. (CA)..... Asteraceae..... E 575 NA NA
Peperomia wheeleri..... Wheeler's peperomia..... U.S.A. (PR)..... Piperaceae..... E 255 NA NA
Peucedanum sandwicense..... Makou..... U.S.A. (HI)..... Apiaceae..... T 530 NA NA
Phacelia argillacea..... Clay phacelia..... U.S.A. (UT)..... Hydrophyllaceae..... E 44 NA NA
Phacelia formosula..... North Park phacelia..... U.S.A. (CO)..... .....do..... E 121 NA NA
Phlox nivalis ssp. texensis..... Texas trailing phlox.... U.S.A. (TX)..... Polemoniaceae..... E 440 NA NA
Phyllostegia glabra var. lanaiensis. None..... U.S.A. (HI)..... Lamiaceae..... E 435 NA NA
Phyllostegia mannii..... .....do..... .....do..... .....do..... E 480 NA NA
Phyllostegia mollis..... .....do..... .....do..... .....do..... E 448 NA NA
Phyllostegia waimeae..... .....do..... .....do..... .....do..... E 530 NA NA
Physaria obcordata..... Dudley Bluffs twinpod... U.S.A. (CO)..... Brassicaceae..... T 374 NA NA
Pilosocereus (=Cereus) robinii..... Key tree-cactus..... U.S.A. (FL), Cuba..... Cactaceae..... E 153 NA NA
Pinguicula ionantha..... Godfrey's butterwort.... U.S.A. (FL)..... Lentibulariaceae..... T 507 NA NA
Pityopsis (=Heterotheca, =Chrysopsis) ruthii. Ruth's golden aster..... U.S.A. (TN)..... Asteraceae..... E 191 NA NA
Plantago hawaiensis..... Laukahi kuahiwi..... U.S.A. (HI)..... Plantaginaceae..... E 532 NA NA
Plantago princeps..... .....do..... .....do..... .....do..... E 559 NA NA
Platanthera leucophaea..... Eastern prairie fringed orchid. U.S.A. (AR, IA, IL, IN, ME, MI, MO, NE, NJ, NY, OH, OK, PA, VA, WI), Canada (Ont., N.B.). Orchidaceae..... T 368 NA NA
Platanthera praeclara..... Western prairie fringed orchid. U.S.A. (IA, KS, MN, MO, ND, NE, OK, SD), Canada (Man.). .....do..... T 368 NA NA
Pleodendron macranthum..... Chupacallos (=Chupagallo). U.S.A. (PR)..... Canellaceae..... E 564 NA NA
Poa mannii..... Mann's bluegrass..... U.S.A. (HI)..... Poaceae..... E 558 NA NA
Poa sandvicensis..... Hawaiian bluegrass..... .....do..... .....do..... E 464 NA NA
Poa siphonoglossa..... None..... .....do..... .....do..... E 464 NA NA
Pogogyne abramsii..... San Diego mesa mint..... U.S.A. (CA)..... Lamiaceae..... E 44 NA NA
Pogogyne nudiuscula..... Otay mesa mint..... U.S.A. (CA), Mexico (Baja California). .....do..... E 512 NA NA

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Polygala lewtonii..... Lewton's polygala..... U.S.A. (FL)..... Polygalaceae..... E 500 NA NA
Polygala smallii..... Tiny polygala..... .....do..... .....do..... E 192 NA NA
Polygonella basiramia (=ciliata var. b.). Wireweed..... .....do..... Polygonaceae..... E 256 NA NA
Polygonella myriophylla..... Sandlace..... .....do..... .....do..... E 500 NA NA
Portulaca sclerocarpa..... Po`e..... U.S.A. (HI)..... Portulacaceae..... E 532 NA NA
Potamogeton clystocarpus..... Little Aguja pondweed... U.S.A. (TX)..... Potamogetonaceae..... E 450 NA NA
Potentilla robbinsiana..... Robbins' cinquefoil..... U.S.A. (NH, VT)..... Rosaceae..... E 104 17.96(a) NA
Primula maguirei..... Maguire primrose..... U.S.A. (UT)..... Primulaceae..... T 199 NA NA
Pritchardia affinis..... Loulu..... U.S.A. (HI)..... Arecaceae..... E 532 NA NA
Pritchardia aylmer-robinsonii..... Wahane (=Hawane or lo`ulu). U.S.A. (HI)..... .....do..... E 586 NA NA
Pritchardia munroi..... Loulu..... U.S.A. (HI)..... .....do..... E 480 NA NA
Pritchardia remota..... Lo`ulu..... U.S.A. (HI)..... .....do..... E 587 NA NA
Prunus geniculata..... Scrub plum..... U.S.A. (FL)..... Rosaceae..... E 256 NA NA
Pteralyxia kauaiensis..... Kaulu..... U.S.A. (HI)..... Apocynaceae..... E 530 NA NA
Ptilimnium nodosum (=fluviatile).... Harperella..... U.S.A. (AL, AR, GA, MD, NC, SC, WV). Apiaceae..... E 332 NA NA
Purshia (=Cowania) subintegra..... Arizona cliffrose..... U.S.A. (AZ)..... Rosaceae..... E 148 NA NA
Quercus hinckleyi..... Hinckley's oak..... U.S.A. (TX)..... Fagaceae..... T 318 NA NA
Ranunculus acriformis var. aestivalis (=acris var. a.). Autumn buttercup..... U.S.A. (UT)..... Ranunculaceae..... E 355 NA NA
Remya kauaiensis..... None..... U.S.A. (HI)..... Asteraceae..... E 413 NA NA
Remya mauiensis..... Maui remya..... .....do..... .....do..... E 413 NA NA

Remya montgomeryi..... None..... .....do..... .....do..... E 413 NA NA
Rhododendron chapmanii..... Chapman rhododendron.... U.S.A. (FL)..... Ericaceae..... E 47 NA NA
Rhus michauxii..... Michaux's sumac..... U.S.A. (GA, NC, SC, VA). Anacardiaceae..... E 367 NA NA
Rhynchospora knieskernii..... Knieskern's beaked-rush. U.S.A. (DE, NJ)..... Cyperaceae..... T 429 NA NA
Ribes echinellum..... Miccosukee gooseberry... U.S.A. (FL, SC)..... Saxifragaceae..... T 190 NA NA
Rollandia crispa..... None..... U.S.A. (HI)..... Campanulaceae..... E 536 NA NA
Rorippa gambellii..... Gambel's watercress..... U.S.A. (CA)..... Brassicaceae..... E 511 NA NA
Sagittaria fasciculata..... Bunched arrowhead..... U.S.A. (NC, SC)..... Alismataceae..... E 53 NA NA
Sagittaria secundifolia..... Kral's water-plantain... U.S.A. (AL, GA)..... .....do..... T 386 NA NA
Sanicula mariversa..... None..... U.S.A. (HI)..... Apiaceae..... E 448 NA NA
Santalum freycinetianum var. lanaiense. Lanai sandalwood or `iliahi. .....do..... Santalaceae..... E 215 NA NA
Sarracenia oreophila..... Green pitcher-plant..... U.S.A. (AL, GA, NC, TN). Sarraceniaceae..... E 56, 89 NA NA
Sarracenia rubra ssp. alabamensis (=alabamensis ssp. a.). Alabama canebrake pitcher-plant. U.S.A. (AL)..... .....do..... E 346 NA NA
Sarracenia rubra ssp. jonesii (=S. jonesii). Mountain sweet pitcher-plant. U.S.A. (NC, SC)..... .....do..... E 339 NA NA
Scaevola coriacea..... Dwarf naupaka..... U.S.A. (HI)..... Goodeniaceae..... E 231 NA NA
Schiedea adamantis..... Diamond Head schiedea... .....do..... Caryophyllaceae..... E 141 NA NA
Schiedea apokremnos..... Ma`oli`oli..... .....do..... .....do..... E 441 NA NA
Schiedea haleakalensis..... None..... .....do..... .....do..... E 467 NA NA
Schiedea kaalae..... .....do..... .....do..... .....do..... E 448 NA NA
Schiedea lydgatei..... .....do..... .....do..... .....do..... E 480 NA NA
Schiedea spergulina var. leiopoda... .....do..... .....do..... .....do..... E 530 NA NA
Schiedea spergulina var. spergulina. .....do..... .....do..... .....do..... T 530 NA NA
Schiedea verticillata..... .....do..... U.S.A. (HI)..... .....do..... E 587 NA NA
Schoenocrambe (=Glaucocarpum) suffrutescens. Shrubby reed-mustard (=toad-flax cress). U.S.A. (UT)..... Brassicaceae..... E 293 NA NA
Schoenocrambe argillacea..... Clay reed-mustard..... .....do..... .....do..... T 457 NA NA
Schoenocrambe barnebyi..... Barneby reed-mustard.... .....do..... .....do..... E 457 NA NA

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Schoepfia arenaria..... None..... U.S.A. (PR)..... Olacaceae..... T 420 NA NA
Schwalbea americana..... American chaffseed..... U.S.A. (AL, CT, DE, FL, GA, LA, MA, MD, MI, MS, NC, NJ, NY, SC, TN, VA). Scrophulariaceae..... E 478 NA NA
Scirpus ancistrochaetus..... Northeastern (=Barbed bristle) bulrush. U.S.A. (MA, MD, NY, PA, VA, VT, WV). Cyperaceae..... E 425 NA NA
Sclerocactus (=Coloradoa, =Echinocactus, =Pediocactus) mesae-verdae. Mesa Verde cactus..... U.S.A. (CO, NM)..... Cactaceae..... T 75 NA NA
Sclerocactus (=Echinocactus, =Pediocactus) glaucus (=whipplei var. g., =subglaucus, = franklinii). Uinta Basin hookless cactus. U.S.A. (CO, UT)..... .....do..... T 59 NA NA
Sclerocactus (=Pediocactus) wrightiae. Wright fishhook cactus.. U.S.A. (UT)..... .....do..... E 58 NA NA
Scutellaria floridana..... Florida skullcap..... U.S.A. (FL)..... Lamiaceae..... T 463 NA NA
Scutellaria montana..... Large-flowered skullcap. U.S.A. (GA, TN)..... .....do..... E 234 NA NA
Sedum integrifolium ssp. leedyi..... Leedy's roseroot..... U.S.A. (MN, NY)..... Crassulaceae..... T 460 NA NA
Senecio franciscanus..... San Francisco Peaks groundsel. U.S.A. (AZ)..... Asteraceae..... T 137 17.96(a) NA
Serianthes nelsonii..... Hayun lagu (Guam), Tronkon guafi (Rota). Western Pacific Ocean: U.S.A. (Guam, Rota). Fabaceae..... E 257, 259 NA NA
Sesbania tomentosa..... `Ohai..... U.S.A. (HI)..... .....do..... E 559 NA NA
Sidalcea nelsoniana..... Nelson's checker-mallow. U.S.A. (OR, WA)..... Malvaceae..... T 490 NA NA
Sidalcea pedata..... Pedate checker-mallow... U.S.A. (CA)..... .....do..... E 158 NA NA
Silene alexandri..... None..... U.S.A. (HI)..... Caryophyllaceae..... E 480 NA NA
Silene hawaiiensis..... .....do..... .....do..... .....do..... T 532 NA NA
Silene lanceolata..... .....do..... .....do..... .....do..... E 480 NA NA
Silene perlmanii..... .....do..... .....do..... .....do..... E 448 NA NA
Silene polypetala..... Fringed campion..... U.S.A. (FL, GA)..... .....do..... E 418 NA NA
Sisyrinchium dichotomum..... White irisette..... U.S.A. (NC)..... Iridaceae..... E 438 NA NA
Solanum drymophilum..... Erubia..... U.S.A. (PR)..... Solanaceae..... E 319 NA NA

Solanum incompletum..... Popolo ku mai..... U.S.A. (HI)..... .....do..... E 559 NA NA
Solanum sandwicense..... `Aiakeakua, popolo..... .....do..... .....do..... E 530 NA NA
Solidago albopilosa..... White-haired goldenrod.. U.S.A. (KY)..... Asteraceae..... T 308 NA NA
Solidago houghtonii..... Houghton's goldenrod.... U.S.A. (MI), Canada (Ont.). .....do..... T 314 NA NA
Solidago shortii..... Short's goldenrod..... U.S.A. (KY)..... .....do..... E 201 NA NA
Solidago spithamaea..... Blue Ridge goldenrod.... U.S.A. (NC, TN)..... .....do..... T 175 NA NA
Spermolepis hawaiiensis..... None..... U.S.A. (HI)..... Apiaceae..... E 559 NA NA
Spigelia gentianoides..... Gentian pinkroot..... U.S.A. (AL, FL)..... Loganiaceae..... E 406 NA NA
Spiraea virginiana..... Virginia spiraea..... U.S.A. (GA, KY, NC, PA, TN, VA, WV). Rosaceae..... T 389 NA NA
Spiranthes diluvialis..... Ute ladies'-tresses..... U.S.A. (CO, NV, UT)..... Orchidaceae..... T 458 NA NA
Spiranthes parksii..... Navasota ladies'-tresses U.S.A. (TX)..... .....do..... E 116 NA NA
Stahlia monosperma..... Cobana negra..... U.S.A. (PR), Dominican Republic. Fabaceae..... T 380 NA NA
Stenogyne angustifolia..... None..... U.S.A. (HI)..... Lamiaceae..... E 73 NA NA
Stenogyne bifida..... .....do..... .....do..... .....do..... E 480 NA NA
Stenogyne campanulata..... .....do..... .....do..... .....do..... E 464 NA NA
Stenogyne kanehoana..... .....do..... .....do..... .....do..... E 466 NA NA
Stephanomeria malheurensis..... Malheur wire-lettuce.... U.S.A. (OR)..... Asteraceae..... E 126 17.96(a) NA
Streptanthus albidus ssp. albidus... Metcalf Canyon jewelflower. U.S.A. (CA)..... Brassicaceae..... E 575 NA NA

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Streptanthus niger..... Tiburon jewelflower..... .....do..... .....do..... E 575 NA NA
Styrax portoricensis..... Palo de jazmin..... U.S.A. (PR)..... Styracaceae..... E 461 NA NA
Styrax texana..... Texas snowbells..... U.S.A. (TX)..... .....do..... E 162 NA NA
Suaeda californica..... Seablite, California.... U.S.A. (CA)..... Chenopodiaceae..... E 567 NA NA
Swallenia alexandrae..... Eureka Dune grass..... .....do..... Poaceae..... E 39 NA NA
Ternstroemia luquillensis..... Palo colorado..... U.S.A. (PR)..... Theaceae..... E 461 NA NA
Ternstroemia subsessilis..... None..... .....do..... .....do..... E 461 NA NA
Tetramolopium arenarium..... .....do..... U.S.A. (HI)..... Asteraceae..... E 532 NA NA
Tetramolopium capillare..... Pamakani..... .....do..... .....do..... E 555 NA NA
Tetramolopium filiforme..... None..... .....do..... .....do..... E 448 NA NA
Tetramolopium lepidotum ssp. lepidotum. .....do..... .....do..... .....do..... E 448 NA NA
Tetramolopium remyi..... .....do..... .....do..... .....do..... E 435 NA NA
Tetramolopium rockii..... .....do..... .....do..... .....do..... T 480 NA NA
Tetraplasandra gymnocarpa..... `Ohe`ohe..... .....do..... Araliaceae..... E 536 NA NA
Thalictrum cooleyi..... Cooley's meadowrue..... U.S.A. (FL, NC)..... Ranunculaceae..... E 344 NA NA
Thelypodium stenopetalum..... Slender-petaled mustard. U.S.A. (CA)..... Brassicaceae..... E 158 NA NA
Thymophylla (=Dyssodia) tephroleuca. Ashy dogweed..... U.S.A. (TX)..... Asteraceae..... E 152 NA NA
Townsendia aprica..... Last Chance townsendia.. U.S.A. (UT)..... .....do..... T 200 NA NA
Trichilia triacantha..... Bariaco (=guayabacon)... U.S.A. (PR)..... Meliaceae..... E 303 NA NA
Trifolium stoloniferum..... Running buffalo clover.. U.S.A. (AR, IL, IN, KS, KY, MO, OH, WV). Fabaceae..... E 270 NA NA
Trillium persistens..... Persistent trillium..... U.S.A. (GA, SC)..... Liliaceae..... E 39 NA NA
Trillium reliquum..... Relict trillium..... U.S.A. (AL, GA, SC)..... .....do..... E 306 NA NA
Tuctoria (=Orcuttia) mucronata..... Solano grass..... U.S.A. (CA)..... Poaceae..... E 44 NA NA
Urera kaalae..... Opuhe..... U.S.A. (HI)..... Urticaceae..... E 448 NA NA
Vernonia proctorii..... None..... U.S.A. (PR)..... Asteraceae..... E 501 NA NA
Vicia menziesii..... Hawaiian vetch..... U.S.A. (HI)..... Fabaceae..... E 39 NA NA
Vigna o-wahuensis..... None..... .....do..... .....do..... E 559 NA NA
Viola chamissoniana ssp. chamissoniana. Pamakani..... .....do..... Violaceae..... E 448 NA NA
Viola helenae..... None..... .....do..... .....do..... E 436 NA NA
Viola lanaiensis..... .....do..... .....do..... .....do..... E 435 NA NA
Warea amplexifolia..... Wide-leaf warea..... U.S.A. (FL)..... Brassicaceae..... E 266 NA NA
Warea carteri..... Carter's mustard..... .....do..... .....do..... E 256 NA NA
Wilkesia hobdyi..... Dwarf iliau..... U.S.A. (HI)..... Asteraceae..... E 473 NA NA
Xylosma crenatum..... None..... .....do..... Flacourtiaceae..... E 464 NA NA
Xyris tennesseensis..... Tennessee yellow-eyed grass. U.S.A. (AL, GA, TN)..... Xyridaceae..... E 430 NA NA
Zanthoxylum hawaiiense..... A`e..... U.S.A. (HI)..... Rutaceae..... E 532 NA NA
Zanthoxylum thomasianum..... St. Thomas prickly-ash.. U.S.A. (PR, VI)..... .....do..... E 213 NA NA
Zizania texana..... Texas wild-rice..... U.S.A. (TX)..... Poaceae..... E 39 17.96(a) NA
Ziziphus celata..... Florida ziziphus..... U.S.A. (FL)..... Rhamnaceae..... E 356 NA NA

Conifers And Cycads

Abies guatemalensis..... Pinabete or Guatemalan fir. Mexico, Guatemala, Honduras, El Salvador. Pinaceae..... T 84 NA NA
Cupressus abramsiana..... Santa Cruz cypress..... U.S.A. (CA)..... Cupressaceae..... E 252 NA NA
Fitzroya cupressoides..... Alerce or Chilean false larch. Chile, Argentina..... .....do..... T 79 NA NA
Torreya taxifolia..... Florida torreya..... U.S.A. (FL, GA)..... Taxaceae..... E 140 NA NA

Ferns And Allies

Adenophorus periens..... Pendant kihi fern..... U.S.A. (HI)..... Grammitidaceae..... E 559 NA NA

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Adiantum vivesii..... None..... U.S.A. (PR)..... Adiantaceae..... E 504 NA NA
Asplenium (=Phyllitis) scolopendrium (=japonica) var. americanum. American hart's-tongue fern. U.S.A. (AL, MI, NY, TN), Canada (Ont.). Aspleniaceae..... T 354 NA NA
Asplenium fragile var. insulare..... None..... U.S.A. (HI)..... .....do..... E 553 NA NA
Ctenitis squamigera..... Pauoa..... .....do..... .....do..... E 553 NA NA
Cyathea dryopteroides..... Elfin tree fern..... U.S.A. (PR)..... Cyatheaceae..... E 277 NA NA
Diellia erecta..... Asplenium-leaved diellia U.S.A. (HI)..... Aspleniaceae..... E 559 NA NA
Diellia falcata..... None..... .....do..... .....do..... E 448 NA NA
Diellia pallida..... .....do..... .....do..... .....do..... E 530 NA NA
Diellia unisora..... .....do..... .....do..... .....do..... E 541 NA NA
Diplazium molokaiense..... .....do..... .....do..... .....do..... E 553 NA NA
Elaphoglossum serpens..... .....do..... U.S.A. (PR)..... Lomariopsidaceae..... E 504 NA NA
Huperzia (=Lycopodium) mannii..... Wawa`iole..... U.S.A. (HI)..... Lycopodiaceae..... E 467 NA NA
Isoetes louisianensis..... Louisiana quillwort..... U.S.A. (LA)..... Isoetaceae..... E 482 NA NA
Isoetes melanospora..... Black-spored quillwort.. U.S.A. (GA, SC)..... .....do..... E 302 NA NA
Isoetes tegetiformans..... Mat-forming quillwort... U.S.A. (GA)..... .....do..... E 302 NA NA
Lycopodium nutans..... Wawae`iole..... U.S.A. (HI)..... Lycopodiaceae..... E 536 NA NA
Marsilea villosa..... `Ihi`ihi..... .....do..... Marsileaceae..... E 474 NA NA
Polystichum aleuticum..... Aleutian shield-fern (=Aleutian holly-fern). U.S.A. (AK)..... Dryopteridaceae..... E 305 NA NA
Polystichum calderonense..... None..... U.S.A. (PR)..... .....do..... E 504 NA NA
Pteris lidgatei..... .....do..... U.S.A. (HI)..... Adiantaceae..... E 553 NA NA
Tectaria estremerana..... .....do..... U.S.A. (PR)..... Dryopteridaceae..... E 504 NA NA
Thelypteris (=Leptogramma) pilosa var. alabamensis. Alabama streak-sorus fern. U.S.A. (AL)..... Thelypteridaceae..... T 476 NA NA
Thelypteris inabonensis..... None..... U.S.A. (PR)..... .....do..... E 506 NA NA
Thelypteris verecunda..... .....do..... .....do..... .....do..... E 506 NA NA
Thelypteris yaucoensis..... .....do..... .....do..... .....do..... E 506 NA NA

Lichens

Cladonia perforata..... Florida perforate cladonia. U.S.A. (FL)..... Cladoniaceae..... E 500 NA NA
Gymnoderma lineare..... Lichen, rock gnome..... U.S.A. (NC, TN)..... .....do..... E 572 NA NA

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26--42 FR 40685; August 11, 1977.
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89--45 FR 18929; March 24, 1980.
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110--46 FR 5730; January 19, 1981.
112--46 FR 40025; August 6, 1981.
116--47 FR 19539; May 6, 1982.
118--47 FR 30440; July 13, 1982.
120--47 FR 36846; August 24, 1982.
121--47 FR 38540; September 1, 1982.
122--47 FR 38927; September 10, 1982.
126--47 FR 50885; November 10, 1982.
133--48 FR 46331; October 12, 1983.
137--48 FR 52747; November 22, 1983.
140--49 FR 2786; January 23, 1984.
141--49 FR 6102; February 17, 1984.
147--49 FR 21058; May 18, 1984.
148--49 FR 22329; May 29, 1984.
151--49 FR 28565; July 13, 1984.
152--49 FR 29234; July 19, 1984.
153--49 FR 29237; July 19, 1984.
154--49 FR 30201; July 27, 1984.
155--49 FR 31421; August 7, 1984.
158--49 FR 34500; August 31, 1984.
162--49 FR 40038; October 12, 1984.
165--49 FR 44756; November 9, 1984.
167--49 FR 47400; December 4, 1984.
168--49 FR 49639; December 21, 1984.
172--50 FR 5758; February 12, 1985.
175--50 FR 12309; March 28, 1985.
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177--50 FR 16682; April 26, 1985.
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191--50 FR 29344; July 18, 1985.
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198--50 FR 33731; August 21, 1985.
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201--50 FR 36089; September 5, 1985.
202--50 FR 36091; September 5, 1985.
204--50 FR 37863; September 18, 1985.
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208--50 FR 45621; November 1, 1985.
209--50 FR 45624; November 1, 1985.
213--50 FR 51870; December 21, 1985.
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215--51 FR 3185; January 24, 1986.
217--51 FR 6693; February 25, 1986.
218--51 FR 8683; March 13, 1986.
219--51 FR 9820; March 21, 1986.
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221--51 FR 10523; March 26, 1986.
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226--51 FR 15911; April 29, 1986.
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231--51 FR 17974; May 16, 1986.
232--51 FR 17977; May l6, 1986.
234--51 FR 22524; June 20, 1986.
235--51 FR 23769; July 1, 1986.
237--51 FR 24672; July 8, 1986.
238--51 FR 24675; July 8, 1986.
240--51 FR 27500; July 31, 1986.
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252--52 FR 679; January 8, 1987.
253--52 FR 682; January 8, 1987.
254--52 FR 784; January 9, 1987.
255--52 FR 1462; January 14, 1987.
256--52 FR 2234; January 21, 1987.
257--52 FR 4910; February 18, 1987.
259--52 FR 6651; March 4, 1987.
260--52 FR 7426; March 11, 1987.
264--52 FR 11175; April 7, 1987.
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271--52 FR 21484; June 5, 1987.
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275--52 FR 22933; June 16, 1987.
276--52 FR 22936; June 16, 1987.
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286--52 FR 34917; September 16, 1987.
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298--52 FR 42657; November 6, 1987.
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335--53 FR 38456; September 30, 1988.
339--53 FR 38474; September 30, 1988.
341--53 FR 45861; November 14, 1988.
343--54 FR 2134; January 19, 1989.
344--54 FR 5938; February 7, 1989.
346--54 FR 10154; March 10, 1989.
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352--54 FR 29658; July 13, 1989.
353--54 FR 29663; July 13, 1989.
354--54 FR 29730; July 14, 1989.
355--54 FR 30554; July 21, 1989.
356--54 FR 31196; July 27, 1989.
360--54 FR 35305; August 24, 1989.
362--54 FR 38947; September 21, 1989.
363--54 FR 38950; September 21, 1989.
367--54 FR 39857; September 28, 1989.
368--54 FR 39863; September 28, 1989.
373--55 FR 433; January 5, 1990.
374--55 FR 4157; February 6, 1990.
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379--55 FR 12790; April 5, 1990.
380--55 FR 12793; April 5, 1990.
381--55 FR 12797; April 5, 1990.
385--55 FR 13491; April 10, 1990.
386--55 FR 13911; April 13, 1990.
389--55 FR 24246; June 15, 1990.
392--55 FR 25599; June 21, 1990.
395--55 FR 29370; July 19, 1990.
397--55 FR 32255; August 8, 1990.
398--55 FR 32257; August 8, 1990.
402--55 FR 39864; September 28, 1990.
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420--56 FR 16024; April 19, 1991.
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424--56 FR 21091; May 7, 1991.
425--56 FR 21096; May 7, 1991.
429--56 FR 32983; July 18, 1991.
430--56 FR 34154; July 26, 1991.
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460--57 FR 14653; April 22, 1992.
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466--57 FR 20595; May 13, 1992.
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468--57 FR 21564; May 20, 1992.
470--57 FR 21574; May 20, 1992.
471--57 FR 24199; June 8, 1992.
472--57 FR 27858; June 22, 1992.
473--57 FR 27863; June 22, 1992.
474--57 FR 27867; June 22, 1992.
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477--57 FR 44340; September 25, 1992.
478--57 FR 44708; September 29, 1992.
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481--57 FR 46344; October 8, 1992.
482--57 FR 46747; October 28, 1992.
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Editorial Note 1: For Federal Register citations affecting the table in Sec. 17.12(h), see the listing above.

Editorial Note: For Federal Register citations affecting Sec. 17.12, see the List of CFR Sections Affected appearing in the Finding Aids section of this volume.

[**Food Code, 1997, Electronic Edition Note:** Original document follows with Subparts C - J. 50 CFR 17 is available online at the WWW site **GPO Access.**]

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[GRAPHIC] [TIFF OMITTED] TC01JN91.181

[45 FR 74881, Nov. 12, 1980, as amended at 57 FR 5990, Feb. 19, 1992; 59 FR 24658, May 12, 1994]