

U.S. Fish and Wildlife Serv., Interior**§ 17.11**

Directors in 50 CFR 2.2. Send applications for interstate commerce in native endangered and threatened species to the Regional Director with lead responsibility for the species. To determine the appropriate region, call the nearest Regional Office:

Region 1 (Portland, OR): 503-231-6241
Region 2 (Albuquerque, NM): 505-248-6920
Region 3 (Twin Cities, MN): 612-713-5343
Region 4 (Atlanta, GA): 404-679-7313
Region 5 (Hadley, MA): 413-253-8628
Region 6 (Denver, CO): 303-236-8155, ext 263
Region 7 (Anchorage, AK): 907-786-3620
Headquarters (Washington, DC): 703-358-2106

(2) Submit permit applications for activities affecting native endangered and threatened species in international movement or commerce, and all activities affecting nonnative endangered and threatened species to the Director, U.S. Fish and Wildlife Service, (Attention Office of Management Authority), 4401 N. Fairfax Drive, Room 700, Arlington, VA 22203.

(b) The Office of Management and Budget approved the information collection requirements contained in this part 17 under 44 U.S.C. 3507 and assigned OMB Control Numbers 1018-0093 and 1018-0094. The Service may not conduct or sponsor, and you are not required to respond to, a collection of information unless it displays a currently valid OMB control number. We are collecting this information to provide information necessary to evaluate permit applications. We will use this information to review permit applications and make decisions, according to criteria established in various Federal wildlife conservation statutes and regulations, on the issuance, suspension, revocation, or denial of permits. You must respond to obtain or retain a permit. We estimate the public reporting burden for these reporting requirements to vary from 2 to 2½ hours per response, including time for reviewing instructions, gathering and maintaining data, and completing and reviewing the forms. Direct comments regarding the burden estimate or any other aspect of these reporting requirements to the Service Information Collection Control Officer, MS-222 ARLSQ, U.S. Fish and Wildlife Service, Washington, DC 20240, or the Office of Management and Budget, Paperwork Reduction

Project (1018-0093/0094), Washington, DC 20603.

[63 FR 52635, Oct. 1, 1998]

Subpart B—Lists**§ 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 § 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 [or T] (S/A)" for similarity of appearance species.

(d) The other data in the list are non-regulatory 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,

§ 17.11

50 CFR Ch. I (10-1-98 Edition)

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 §§ 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:

Common name	Species Scientific name	Historic range	Vertebrate population where endangered or threatened	Status	When listed	Critical habitat	Special rules
MAMMALS							
Anoa, lowland	<i>Bubalus depressicornis</i> (= <i>B. anoa depressicornis</i>)	Indonesia	Entire	E	3	NA	NA
Anoa, mountain	<i>Bubalus quarlesi</i> (= <i>B. anoa quarlesi</i>)	.....do .....	.....do	E	15	NA	NA
Antelope, giant sable ..	<i>Hippotragus niger variani</i>	Angola .....	.....do	E	15	NA	NA
Argali	<i>Ovis ammon</i>	Afghanistan, China, India, Kazakhstan, Kyrgyzstan, Mongolia, Nepal, Pakistan, Russia, Tajikistan, Uzbekistan.	Entire except Kyrgyzstan, Mongolia, Kyrgyzstan, and Tajikistan.	E	15, 475	NA	NA
Do	<i>Priodontes maximus</i> (= <i>giganteus</i>), <i>Chlamyphorus truncatus</i>.	.....do	Venezuela and Guyana to Argentina.	T	15, 475	NA	17.40(l)
Armadillo, giant	<i>Equis asinus</i> (= <i>africanus</i>).	Argentina	Entire	E	15	NA	NA
Armadillo, pink fairy ...	<i>Equis asinus</i> (= <i>africanus</i>).	Somalia, Sudan, Ethiopia.	.....do	E	3	NA	NA
Ass, African wild	<i>Equis hemionus</i>	Somalia, Sudan, Ethiopia.	Somalia, Sudan, Ethiopia.	E	3, 22	NA	NA
Ass, Asian wild (=kulan, onager). Avahi	<i>Avahi</i> (= <i>Lichenotus laniger</i> (=entire genus)).	Southwestern and Central Asia.	Entire	E	3	NA	NA
Aye-aye	<i>Daubentonia madagascariensis</i>	Madagascar Republic (=Madagascar).	.....do	E	3	NA	NA
Babirusa	<i>Babyrousa babyrussa</i>	Indonesia .....	.....do	E	15	NA	NA
Baboon, gelada	<i>Theropithecus gelada</i>	Ethiopia .....	.....do	T	16	NA	17.40(c)
Bandicoot, barred	<i>Perameles bougainville</i> .	Australia .....	.....do	E	4	NA	NA
Bandicoot, desert	<i>Perameles eremicana</i>	.....do .....	.....do	E	6	NA	NA

Common name	Species Scientific name	Historic range	Vertebrate population where endangered or threatened	Status	When listed	Critical habitat	Special rules
Bandicoot, lesser rabbit.	<i>Macrotis leucura</i> ..	.....do .....	.....do	E	4	NA	NA
Bandicoot, pig-footed ..	<i>Chaeropus ecaudatus</i> ..	.....do .....	.....do	E	4	NA	NA
Bandicoot, rabbit ..	<i>Macrotis lagotis</i> ..	.....do .....	.....do	E	4	NA	NA
Banteng	<i>Bos javanicus</i> .. (=banterg).	Southeast Asia ..	.....do	E	3	NA	NA
Bat, Bulmer's fruit (flying fox).	<i>Aproteles bulmerae</i> ..	Papua New Guinea ..	.....do	E	139	NA	NA
Bat, bumblebee ..	<i>Craseonycteris thonglongyai.</i>	Thailand .....	.....do	E	139	NA	NA
Bat, gray	<i>Myotis griseescens</i> ..	Central and south-eastern U.S.A..	.....do	E	13	NA	NA
Bat, Hawaiian hoary ..	<i>Lasiurus cinereus semotus.</i>	U.S.A. (HI) .....	.....do	E	2	NA	NA
Bat, Indiana	<i>Myotis sodalis</i> ..	Eastern and Mid-western U.S.A.	.....do	E	1	17.95(a)	NA
Bat, lesser (=Sanborn's) long-nosed.	<i>Leptonycteris curasoae</i> .. (=sanborni) <i>yeatbabueae.</i>	U.S.A. (AZ, NM), Mexico, Central America.	.....do	E	336	NA	NA
Bat, little Mariana fruit ..	<i>Pteropus tokudae</i> ..	Western Pacific Ocean—U.S.A. (Guam).	.....do	E	156	NA	NA
Bat, Mariana fruit ..	<i>Pteropus mariannus mariannus.</i>	Western Pacific Ocean—U.S.A. (Guam, Rota, Tinian, Saipan, Agiguan).	.....do	E	156	NA	NA
Bat, Mexican long-nosed.	<i>Leptonycteris nivalis</i> ..	U.S.A. (NM, TX), Mexico, Central America.	Entire	E	336	NA	NA
Bat, Ozark big-eared ..	<i>Corynorhinus</i> .. (= <i>Plecotus</i>) <i>townsendii</i> <i>ingens.</i>	U.S.A. (MO, OK, AR)	.....do	E	85	NA	NA

Bat, Rodrigues fruit (flying fox).	<i>Pteropus rodricensis</i>	Indian Ocean— Rodrigues Island.	.....do	E	139	NA
Bat, Singapore roundleaf horseshoe.	<i>Hipposideros ridleyi</i> ..	Malaysia .....	.....do	E	139	NA
Bat, Virginia big-eared	<i>Corynorhinus</i> <i>(=Plecotus)</i> <i>townssendii</i> <i>virginianus.</i>	U.S.A. (KY, NC, WV, VA).	.....do	E	85	17.95(a)
Bear, American black	<i>Ursus americanus</i>	North America	U.S.A. (LA—all coun- ties; MS, TX, only within the historic county range of the Louisiana black bear). Entire	T(S/A)	456	NA
Bear, Baluchistan	<i>Ursus thibetanus</i>	Iran, Pakistan .....	.....do	E	233	NA
Bear, brown	<i>Ursus arctos arctos</i> ...	Palearctic	Italy	E	15, 15A	NA
Do	<i>Ursus arctos</i> <i>pruinosus.</i>	China (Tibet)	Entire	E	15	NA
Bear, grizzly (=brown)	<i>Ursus arctos</i>	Holarctic	U.S.A., conterminous (lower 48) States. Entire	T	1, 2D, 9	NA
Bear, Louisiana black	<i>Ursus americanus</i> <i>luteolus.</i>	U.S.A. (LA—all coun- ties; MS—all coun- ties south of or touching a line from Greenville, Wash- ington County, to Meridian, Launder- dale County, TX— all counties east of or touching a line from Linden, Cass County, SW to Bryan, Brazos County, thence SSW to Rockport, Aransas County).	.....do	T	456	NA

Common name	Species Scientific name	Historic range	Vertebrate population where endangered or threatened	Status	When listed	Critical habitat	Special rules
Bear, Mexican grizzly	<i>Ursus arctos</i> (= <i>U. a. nelsoni</i>)	Holarctic	Mexico	E	3	NA	NA
Beaver	<i>Castor fiber birulai</i>	Mongolia	Entire	E	15	NA	NA
Bison, wood	<i>Bison bison athabascae</i> .	Canada, northwestern U.S.A.	Canada	E	3	NA	NA
Bobcat	<i>Felis rufus esquinalpae</i> .	Central Mexico	Entire	E	15	NA	NA
Bontebok (antelope)	<i>Damaliscus dorcas dorcas</i> .	South Africa	do	E	15	NA	NA
Camel, Bactrian	<i>Camelus bactrianus</i> (= <i>ferus</i>). <i>Rangifer tarandus caribou</i> .	Mongolia, China	do	E	15	NA	NA
Caribou, woodland		U.S.A. (AK, ID, ME, MI, MN, MT, NH, VT, WA, WI), Canada.	U.S.A. (ID, WA), Canada (that part of S.E. British Columbia bounded by the U.S.-Can. border, Columbia R., Kootenay R., Kootenay L., and Kootenay R.).	E	128E, 136E, 143	NA	NA
Cat, Andean	<i>Felis jacobita</i>	Chile, Peru, Bolivia, Argentina, Southern Africa	Entire	E	15	NA	NA
Cat, black-footed	<i>Felis nigripes</i>	Malaysia, Indonesia ..	do	E	15	NA	NA
Cat, flat-headed	<i>Felis planiceps</i>	Japan (Iriomote Island, Ryukyu Islands).	do	E	15	NA	NA
Cat, Iriomote	<i>Felis (Mayailurus) iriomotensis</i> .	India, Southeast Asia	do	E	50	NA	NA
Cat, leopard	<i>Felis bengalensis bengalensis</i> .	Nepal, Southeast Asia, Indonesia.	do	E	15	NA	NA
Cat, marbled	<i>Felis marmorata</i>	Pakistan	do	E	15	NA	NA
Cat, Pakistan sand	<i>Felis margarita scherfeli</i> .		do	E	139	NA	NA

Cat, Temminck's (=golden cat).	<i>Felis temmincki</i>	Nepal, China, South-east Asia, Indo-nesia (Sumatra). Costa Rica to north-ern Argentina.	.....do	E	15	NA	NA
Cat, tiger	<i>Felis tigrinus</i> .....	.....do .....	.....do	E	5	NA	NA
Chamois, Apennine ...	<i>Rupicapra rupicapra ornata.</i>	.....do .....	.....do	E	15	NA	NA
Cheetah	<i>Acinonyx jubatus</i>	Africa to India .....	.....do	E	3, 5	NA	NA
Chimpanzee	<i>Pan troglodytes</i>	Africa-see 17.40(c)(3)	Wherever found in the wild.	E	16, 376	NA	NA
Do .....	.....do .....	.....do	Wherever found in captivity.	T	16, 376	NA	17.40(c)
Chimpanzee, pygmy ...	<i>Pan paniscus</i>	Zaire	Entire	E	16, 376	NA	NA
Chinchilla	<i>Chinchilla brevicaudata</i>	Bolivia .....	.....do	E	15	NA	NA
Civet, Malabar large-spotted	<i>Viverra megaspila civettina.</i>	India .....	.....do	E	50	NA	NA
Cochito (=Gulf of California harbor porpoise).	<i>Phocoena sinus</i>	Mexico (Gulf of California).	.....do	E	169	NA	NA
Cougar, eastern	<i>Felis concolor couguar.</i>	Eastern North Amer-ica.	.....do	E	6	NA	NA
Deer, Bactrian	<i>Cervus elaphus bactrianus.</i>	Tajikistan, Uzbekistan, Afghanistan.	.....do	E	50	NA	NA
Deer, Barbary	<i>Cervus elaphus barbarus.</i>	Morocco, Tunisia, Al-geria.	.....do	E	50	NA	NA
Deer, Bawean	<i>Axis (=Cervus porcinus kuhli).</i>	Indonesia .....	.....do	E	3	NA	NA
Deer, Cedros Island mule.	<i>Odocoileus hemionus cedrosensis.</i>	Mexico (Cedros Is-land).	.....do	E	10	NA	NA
Deer, Columbian white-tailed.	<i>Odocoileus virginianus leucurus.</i>	U.S.A. (WA, OR) .....	.....do	E	1	NA	NA
Deer, Corsican red	<i>Cervus elaphus corsicanus.</i>	Corsica, Sardinia .....	.....do	E	50	NA	NA
Deer, Eld's brow-antlered.	<i>Cervus eldi</i>	India to Southeast Asia.	.....do	E	3	NA	NA

Common name	Species Scientific name	Historic range	Vertebrate population where endangered or threatened	Status	When listed	Critical habitat	Special rules
Deer, Formosan sika ..	<i>Cervus nippon taiouanus.</i>	Taiwan .....	.....do	E	50	NA	NA
Deer, hog	<i>Axis (=Cervus) porcinus annamiticus.</i>	Thailand, Indochina ..	.....do	E	15	NA	NA
Deer, key	<i>Odocoileus virginianus clavium.</i>	U.S.A. (FL) .....	.....do	E	1	NA	NA
Deer, marsh	<i>Blastocerus dichotomus.</i>	Argentina, Uruguay, Paraguay, Bolivia, Brazil.	.....do	E	3	NA	NA
Deer, McNeill's	<i>Cervus elaphus macneilli.</i>	China (Sinkiang, Tibet).	.....do	E	3	NA	NA
Deer, musk	<i>Moschus</i> 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	<i>Cervus nippon mandarinus.</i>	China (Shantung and Chihi Provinces).	Entire	E	50	NA	NA
Deer, pampas	<i>Ozotoceros bezoarticus.</i>	Brazil, Argentina, Uruguay, Bolivia, Paraguay.	.....do	E	15	NA	NA
Deer, Persian fallow ..	<i>Dama dama mesopotamica.</i>	Iraq, Iran .....	.....do	E	3	NA	NA
Deer, Philippine	<i>Axis (=Cervus) porcinus calamianensis.</i>	Philippines (Calamian Islands).	.....do	E	15	NA	NA
Deer, Ryukyu sika	<i>Cervus nippon kermae.</i>	Japan (Ryukyu Islands).	.....do	E	50	NA	NA
Deer, Shansi sika	<i>Cervus nippon grassianus.</i>	China (Shansi Province).	.....do	E	50	NA	NA
Deer, South China sika.	<i>Cervus nippon kopschi.</i>	Southern China .....	.....do	E	50	NA	NA
Deer, swamp (=barasingha).	<i>Cervus duvaucelii</i>	India, Nepal .....	.....do	E	3	NA	NA

Deer, Visayan Deer, Yarkand	<i>Cervus alfredi</i>	Philippines	do	NA
	<i>Cervus elaphus</i> <i>yarkandensis.</i>	China (Sinkiang)	do	NA
Dhole (=Asiatic wild dog).	<i>Cuon alpinus</i>	C.I.S., Korea, China, India, Southeast Asia.	do	NA
Dibbler	<i>Antechinus apicalis</i>	Australia	do	E 3
Dog, African wild	<i>Lycan pictus</i>	Sub-Saharan Africa	do	E 4
Dolphin, Chinese river (=whalefin).	<i>Lipotes vexillifer</i>	China	do	E 139
Dolphin, Indus River ..	<i>Platanista minor</i>	Pakistan (Indus R. and tributaries).	do	E 350
Drill	<i>Papio leucophaeus</i>	Equatorial West Afri- ca.	do	E 417
Dugong	<i>Dugong dugon</i>	East Africa to south- ern Japan, includ- ing U.S.A. (Trust Territories).	Entire, except Palau ..	E 16
Duiker, Jentink's	<i>Cephalophus jentinki</i>	Sierra Leone, Liberia, Ivory Coast.	Entire	E 4
Eland, western giant ...	<i>Taurotragus derbianus</i> <i>derbianus.</i>	Senegal to Ivory Coast.	do	E 50
Elephant, African	<i>Loxodonta africana</i>	Africa	do	E 50
Elephant, Asian	<i>Elephas maximus</i>	South-central and southeastern Asia.	do	E 15
Ferret, black-footed	<i>Mustela nigripes</i>	Western U.S.A., west- ern Canada.	Entire, except where listed as an experi- mental population below.	E 1, 3, 433, 545, 546, 582
Do .....	.....do .....	.....do .....	.....do	XN
Fox, northern swift	<i>Vulpes velox hebes</i> ..	U.S.A. (northern plains), Canada.	U.S.A. (specific por- tions of MT, SD, WY, and AZ, see 17.84(g)).	E 3
Fox, San Joaquin kit ...	<i>Vulpes macrotis</i> <i>mutica.</i>	U.S.A. (CA)	Canada	E 1
		Entire	Entire	NA

Common name	Species Scientific name	Historic range	Vertebrate population where endangered or threatened	Status	When listed	Critical habitat	Special rules
Fox, Simien	<i>Canis (Simenia) simensis.</i>	Ethiopia .....	.....do	E	50	NA	NA
Gazelle, Arabian	<i>Gazella gazella</i>	Arabian Peninsula, Palestine, Sinai. Somalia, Ethiopia .....	.....do	E	50	NA	NA
Gazelle, Clark's (=Dibatag).	<i>Ammendorcas clarkei</i>	.....do .....	.....do	E	3	NA	NA
Gazelle, Cuvier's	<i>Gazella cuvieri</i> .....	.....do .....	.....do	E	3	NA	NA
Gazelle, Mhorr	<i>Gazella dama mhorr</i>	Morocco, Algeria, Tunisia. Morocco .....	.....do	E	3	NA	NA
Gazelle, Moroccan (=Dorcas).	<i>Gazella dorcas massaesyia.</i>	Morocco, Algeria, Tunisia. Somalia .....	.....do	E	3	NA	NA
Gazelle, Pezeln's	<i>Gazella dorcas pezelnii.</i>	.....do .....	.....do	E	50	NA	NA
Gazelle, Rio de Oro Dama.	<i>Gazella dama lozanoi</i>	Western Sahara .....	.....do	E	3	NA	NA
Gazelle, sand	<i>Gazella subgutturosa marica.</i>	Jordan, Arabian Peninsula. Israel, Iraq, Jordan, Syria, Arabian Peninsula.	.....do	E	50	NA	NA
Gazelle, Saudi Arabian	<i>Gazella dorcas saudiana.</i>	.....do .....	.....do	E	50	NA	NA
Gazelle, slender-horned (=Rhim). Gibbons	<i>Gazella leptoceros</i> <i>Hylobates</i> spp. (including <i>Nomascus</i>).	Sudan, Egypt, Algeria, Libya. China, India, Southeast Asia. Southwestern Asia .....	.....do	E	3	NA	NA
Goat, wild (=Chitan markhor).	<i>Capra aegagrus (=falconeri) chitanensis.</i>	Chiltan Range of west-central Pakistan. Chiltan Range of west-central Pakistan.	.....do	E	15	NA	NA
Goral	<i>Nemorhaedus goral</i>	East Asia .....	.....do	E	15	NA	NA
Gorilla	<i>Gorilla gorilla</i>	Central and western Africa.	.....do	E	3	NA	NA
Hare, hispid	<i>Caprolagus hispidus</i>	India, Nepal, Bhutan Ethiopia, Somalia .....	.....do	E	15	NA	NA
Hartebeest, Swayne's	<i>Alcelaphus buselaphus swaynei.</i>	.....do .....	.....do	E	3, 50	NA	NA

Hartebeest, Tora	<i>Alcelaphus buselaphus tora.</i>	Ethiopia, Sudan, Egypt, India, Nepal, Bhutan, Sikkim.	.....do	NA	NA
Hog, pygmy	<i>Sus scrofa salanarius</i>	Mongolia, China Ecuador, Peru, Chile, Bolivia, Argentina. Chile, Argentina .....	.....do	E	50
Horse, Przewalski's	<i>Equis przewalskii</i> .....	.....do .....	.....do	E	3
Huemul, north Andean	<i>Hippocamelus antisensis.</i>	.....do .....	.....do	E	15
Huemul, south Andean	<i>Hippocamelus bisulcus.</i>	.....do .....	.....do	E	15
Hutia, Cabrera's	<i>Capromys angelocabrerai.</i>	Cuba .....	.....do	E	233
Hutia, dwarf	<i>Capromys nana</i> .....	.....do .....	.....do	E	233
Hutia, large-eared	<i>Capromys auritus</i> .....	.....do .....	.....do	E	233
Hutia, little earth	<i>Capromys sanctipennis.</i>	.....do .....	.....do	E	233
Hyena, Barbary	<i>Hyena hyaena barbara.</i>	Morocco, Algeria, Tunisia. Southern Africa .....	.....do	E	3
Hyena, brown	<i>Hyena brunnea</i>	Spain .....	.....do	E	3
Ibex, Pyrenean	<i>Capra pyrenaica pyrenaica.</i>	.....do .....	.....do	E	3
Ibex, Walia	<i>Capra walie</i>	Ethiopia .....	.....do	E	3
Impala, black-faced	<i>Aepyceros melampus petersi.</i>	Namibia, Angola .....	.....do	E	3
Indri	<i>Indri indri</i> (=entire genus).	Madagascar.	.....do	E	3
Jaguar	<i>Panthera onca</i>	U.S.A. (AZ, CA, LA, NM, TX), Mexico, Central and South America.	.....do	E	5, 622
Jaguarundi	<i>Felis yagouaroundi cacomitli.</i>	U.S.A. (TX), Mexico ..	.....do	E	15
Do	<i>Felis yagouaroundi fossata.</i>	Mexico, Nicaragua .....	.....do	E	15
Do	<i>Felis yagouaroundi panamensis.</i>	Nicaragua, Costa Rica, Panama.	.....do	E	15
Do	<i>Felis yagouaroundi tolteca.</i>	U.S.A. (AZ), Mexico ..	.....do	E	15
Kangaroo rat, Fresno	<i>Dipodomys nitratoides exilis.</i>	U.S.A. (CA) .....	.....do	E	170
					17.95(a)

Common name	Species Scientific name	Historic range	Vertebrate population where endangered or threatened	Status	When listed	Critical habitat	Special rules
Kangaroo rat, giant	<i>Dipodomys ingens</i> ....	.....do .....	.....do	E	251	NA	NA
Kangaroo rat, Morro Bay.	<i>Dipodomys heermanni</i> <i>moroensis</i>.	.....do .....	.....do	E	2	17.95(a)	NA
Kangaroo rat, San Bernardino.	<i>Dipodomys merriami</i> <i>parvus</i>.	.....do .....	.....do	E	632E, 645	NA	NA
Kangaroo rat, Ste-phen's.	<i>Dipodomys stephensi</i> (incl. <i>D. cascus</i>).	.....do .....	.....do	E	338	NA	NA
Kangaroo rat, Tipton	<i>Dipodomys nitratoides</i> <i>nitratoides</i>.	.....do .....	.....do	E	312	NA	NA
Kangaroo, Tasmanian forester.	<i>Macropus giganteus</i> <i>tasmaniensis</i> .	Australia (Tasmania)	.....do	E	6	NA	NA
Kouprey	<i>Bos sauveli</i>	Vietnam, Laos, Cambodia, Thailand.	.....do	E	3	NA	NA
Langur, capped	<i>Presbytis pileata</i>	India, Burma, Bangladesh.	.....do	E	15	NA	NA
Langur, Douc	<i>Pygathrix nemaeus</i>	Cambodia, Laos, Vietnam.	.....do	E	3	NA	NA
Langur, entellus	<i>Presbytis entellus</i>	China (Tibet), India, Pakistan, Kashmir, Sri Lanka, Sikkim, Bangladesh.	.....do	E	15	NA	NA
Langur, Francois'	<i>Presbytis francoisi</i>	China (Kwangsi), Indochina.	.....do	E	16	NA	NA
Langur, golden	<i>Presbytis geei</i>	India (Assam), Bhutan.	.....do	E	15	NA	NA
Langur, long-tailed	<i>Presbytis potenziani</i> ..	Indonesia .....	.....do	T	16	NA	17.40(c)
Langur, Pagi Island	<i>Nasalis (Simias) concolor</i>.	.....do .....	.....do	E	3	NA	NA
Langur, purple-faced ..	<i>Presbytis senex</i>	Sri Lanka .....	.....do	T	16	NA	17.40(c)
Lechwe, red	<i>Kobus leche</i>	Southern Africa .....	.....do	T	3, 15, .106	NA	NA

Lemurs	Lemuridae (incl. genera <i>Lemur</i> , <i>Phaner</i> , <i>Hapalemur</i> , <i>Lepilemur</i> , <i>Microcebus</i> , <i>Allocebus</i> , <i>Cheirogaleus</i> , <i>Varecia</i>). <i>Panthera pardus</i>	Malagasy Republic (=Madagascar). Africa, Asia .....	.....do	E	3, 15, 15A	NA	NA
Leopard	Do	Wherever found, except where it is listed as Threatened as set forth below. In Africa, in the wild, south of, and including, the following countries: Gabon, Congo, Zaire, Uganda, Kenya. Entire	E	3, 5, 114	NA	NA	NA
Do .....	.....do .....	.....do	T	3, 5, 114	NA	17.40(f)	
113	Leopard, clouded	Neofelis nebulosa	Southeastern and south-central Asia, Taiwan. Central Asia	E	3, 15	NA	NA
	Leopard, snow	<i>Panthera uncia</i>	Nepal, Assam, Vietnam, Cambodia, Laos, Burma.	E	5	NA	NA
	Linsang, spotted	<i>Priodonton pardicolor</i> .....	.....do	E	15	NA	NA
	Lion, Asiatic	<i>Panthera leo persica</i>	Turkey to India	E	3	NA	NA
	Lion, mountain	<i>Felis concolor</i> (all subsp. except cory).	Canada to South America.	T(S/A)	432	NA	17.40(h)
	Loris, lesser slow	<i>Nycticebus pygmaeus</i>	Indochina	Entire	16	NA	17.40(c)
	Lynx, Spanish	<i>Felis (=Lynx) pardina</i>	Spain, Portugal .....	.....do	3	NA	NA
	Macaque, Formosan rock.	<i>Macaca cyclopis</i>	Taiwan .....	.....do	16	NA	17.40(c)
	Macaque, Japanese ..	<i>Macaca fuscata</i>	Japan (Shikoku, Kyushu and Honshu Islands).	.....do	16	NA	17.40(c)
	Macaque, lion-tailed ...	<i>Macaca silenus</i>	India .....	.....do	3	NA	NA

Common name	Scientific name	Historic range	Vertebrate population where endangered or threatened	Status	When listed	Critical habitat	Special rules
Macaque, stump-tailed	<i>Macaca arctoides</i>	India (Assam) to southern China, Sri Lanka .....	.....do	T	16	NA	17.40(c)
Macaque, Toque	<i>Macaca sinica</i>	Sri Lanka .....	.....do	T	16	NA	17.40(c)
Manatee, Amazonian ..	<i>Trichechus inunguis</i> ..	South America (Amazon R. basin)	.....do	E	3	NA	NA
Manatee, West African	<i>Trichechus senegalensis.</i>	West Coast of Africa from Senegal R. to Cuanza R.	.....do	T	52	NA	NA
Manatee, West Indian	<i>Trichechus manatus</i>	U.S.A. (southeastern), Caribbean Sea, South America. Equatorial West Africa.	.....do	E	1, 3	17.95(a) (a)	17.108
Mandrill	<i>Papio sphinx</i>	Kenya .....	.....do	E	16	NA	NA
Mangabey, Tana River Mangabey, white-collared.	<i>Cercocebus galeritus</i>	Senegal to Ghana; Nigeria to Gabon.	.....do	E	3	NA	NA
Margay	<i>Cercocebus torquatus</i>	U.S.A. (TX), Central and South America. Afghanistan, Pakistan	.....do	E	16	NA	NA
Markhor, Kabal	<i>Felis wiedii</i>	Mexico southward .....	.....do	E	5	NA	NA
Markhor, straight-horned.	<i>Capra falconeri</i> <i>jerdoni.</i>	Entire .....	.....do	E	15	NA	NA
Marmoset, buff-headed Marmoset, buffy tuffed-eat.	<i>Callithrix flaviceps</i> .....	.....do .....	.....do	E	15	NA	NA
Marmoset, cotton-top ..	<i>Callithrix jacchus</i> <i>aurita.</i>	.....do .....	.....do	E	139	NA	NA
Marmoset, Goeldi's	<i>Saguinus oedipus</i>	Costa Rica to Colombia.	.....do	E	233	NA	NA
Marmot, Vancouver Island.	<i>Callimico goeldii</i>	Brazil, Colombia, Ecuador.	.....do	E	16	NA	NA
Marsupial, eastern jerboa.	<i>Marmota vancouverensis.</i>	Canada (Vancouver Island).	.....do	E	3	NA	NA
Marsupial-mouse, large desert.	<i>Antechinomys laniger</i>	Australia .....	.....do	E	139	NA	NA
	<i>Sminthopsis psammophila.</i>		.....do	E	4	NA	NA

Marsupial-mouse, long-tailed.	<i>Sminthopsis longicaudata.</i>	.....do .....	.....do	E	4	NA
Marten, Formosan yellow-throated.	<i>Martes flavigula chrysospila.</i>	Taiwan .....	.....do	E	3	NA
Monkey, black colobus	<i>Colobus satanas</i>	Equatorial Guinea, People's Republic of Congo, Cam- eroon, Gabon.	.....do	E	16	NA
Monkey, black howler	<i>Alouatta pigra</i>	Mexico, Guatemala, Belize.	.....do	T	16	NA
Monkey, Diana	<i>Cercopithecus diana</i>	Coastal West Africa ..	.....do	E	16	NA
Monkey (=langur), Guizhou snub-nosed.	<i>Rhinopithecus (=Pygathrix) brelichi</i>	China .....	.....do	E	400	NA
Monkey, howler	<i>Alouatta palliata</i> (=villlosa).	Mexico to South America.	.....do	E	15	NA
Monkey, L'hoest's	<i>Cercopithecus lhoesti</i>	Upper eastern Congo R. Basin, Cam- eroon.	.....do	E	16	NA
Monkey, Preuss' red colobus.	<i>Colobus badius preussi.</i>	Cameroon .....	.....do	E	139	NA
Monkey, proboscis	<i>Nasalis larvatus</i>	Borneo .....	.....do	E	15	NA
Monkey, red-backed squirrel.	<i>Saimiri oerstedii</i>	Costa Rica, Panama	.....do	E	3	NA
Monkey, red-bellied	<i>Cercopithecus erythrogaster.</i>	Western Nigeria .....	.....do	E	16	NA
Monkey, red-eared nose-spotted.	<i>Cercopithecus erythrotos.</i>	Nigeria, Cameroon, Fernando Po.	.....do	E	16	NA
Monkey (=langur), Sichuan snub-nosed.	<i>Rhinopithecus (=Pygathrix) roxellana.</i>	China .....	.....do	E	400	NA
Monkey, spider	<i>Atelès geoffroy frontatus.</i>	Costa Rica, Nic- agua.	.....do	E	3	NA
Do	<i>Atelès geoffroy panamensis.</i>	Costa Rica, Panama	.....do	E	3	NA
Monkey, Tana River red colobus.	<i>Colobus rufomitratus (=badjus)</i> <i>rufomitratus.</i>	Kenya .....	.....do	E	3	NA

Common name	Species Scientific name	Historic range	Vertebrate population where endangered or threatened	Status	When listed	Critical habitat	Special rules
Monkey (=langur), Tonkin snub-nosed.	<i>Rhinopithecus</i> (<i>Pithecina</i>) <i>avunculus</i> .	Vietnam .....	.....do	E	16, 400	NA	NA
Monkey, woolly spider	<i>Brachyteles</i> <i>arachnoides</i> .	Brazil .....	.....do	E	3	NA	NA
Monkey, yellow-tailed woolly.	<i>Lagothrix flavicauda</i> ..	Andes of northern Peru. China .....	.....do	E	16	NA	NA
Monkey (=langur), Yunnan snub-nosed.	<i>Rhinopithecus</i> (<i>Pithecina</i>) <i>bieti</i>.	.....do .....	.....do	E	400	NA	NA
Monkey, Zanzibar red colobus.	<i>Colobus kirkii</i>	Tanzania .....	.....do	E	3	NA	NA
Mountain beaver, Point Arena.	<i>Aplodontia rufa nigra</i>	U.S.A. (CA) .....	.....do	E	454	NA	NA
Mouse, Alabama beach.	<i>Peromyscus</i> <i>polionotus</i> <i>ammobates</i> .	U.S.A. (AL) .....	.....do	E	183	17.95(a)	NA
Mouse, Anastasia Is- land beach.	<i>Peromyscus phasmas</i> .	U.S.A. (FL) .....	.....do	E	349	NA	NA
Mouse, Australian na- tive.	<i>Notomys aquilo</i>	Australia .....	.....do	E	15	NA	NA
Do .....	.....do .....	.....do .....	.....do	E	15	NA	NA
Mouse, Choctawhatchee beach.	<i>Zyzomys</i> (<i>Notomys</i>) <i>pedunculatus</i> .	U.S.A. (FL) .....	.....do	E	183	17.95(a)	NA
Mouse, Field's	<i>Peromyscus</i> <i>polionotus allophrys</i>.	.....do .....	.....do	E	4	NA	NA
Mouse, Gould's	<i>Pseudomys fieldi</i>	Australia .....	.....do	E	6	NA	NA
Mouse, Key Largo cot- ton.	<i>Pseudomys gouldii</i> ..	.....do .....	.....do	E	131E, 160	NA	NA
Mouse, New Holland ..	<i>Peromyscus</i> <i>gossypinus</i> <i>allapaticola</i>.	.....do .....	.....do	E	4	NA	NA
Mouse, Pacific pocket	<i>Pseudomys</i> <i>novaehollandiae</i> .	Australia .....	.....do	E	526E, 554	NA	NA
	<i>Perognathus</i> <i>longimembris</i> <i>pacificus</i> .	U.S.A. (CA) .....	.....do				

Mouse, Perdido Key beach.	<i>Peromyscus polionotus trisyllurus.</i>	U.S.A. (AL, FL) .....	.....do .....	.....	E	183	17.95(a)	NA
Mouse, Preble's meadow jumping.	<i>Zapus hudsonius preblei.</i>	U.S.A. (CO, WY) .....	.....do .....	.....	T	636	NA	NA
Mouse, salt marsh harvest,	<i>Reithrodontomys raviventris.</i>	U.S.A. (CA) .....	.....do .....	.....	E	2	NA	NA
Mouse, Shark Bay	<i>Pseudomys praecoris</i>	Australia .....	.....do .....	.....	E	4	NA	NA
Mouse, Shortridge's	<i>Pseudomys shortridgei.</i>	.....do .....	.....do .....	.....	E	4	NA	NA
Mouse, smoky	<i>Pseudomys fumeus</i> ..	.....do .....	.....do .....	.....	E	4	NA	NA
Mouse, southeastern beach.	<i>Peromyscus polionotus niveiventris.</i>	U.S.A. (FL) .....	.....do .....	.....	T	349	NA	NA
Mouse, western	<i>Pseudomys occidentalis.</i>	Australia .....	.....do .....	.....	E	4	NA	NA
Muntjac, Fea's	<i>Muntiacus feae</i>	Northern Thailand, Burma.	.....do .....	.....	E	50	NA	NA
Native-cat, eastern	<i>Dasyurus viverrinus</i> ..	Australia .....	.....do .....	.....	E	6	NA	NA
Numbat	<i>Myrmecobius fasciatus.</i>	.....do .....	.....do .....	.....	E	4, 6	NA	NA
Ocelot	<i>Felis pardalis</i>	U.S.A. (AZ, TX) to Central and South America.	.....do .....	.....	E	5, 119	NA	NA
Orangutan	<i>Pongo pygmaeus</i>	Borneo, Sumatra.	.....do .....	.....	E	3	NA	NA
Onyx, Arabian	<i>Oryx leucoryx</i>	Arabian Peninsula.	.....do .....	.....	E	3	NA	NA
Otter, Cameroon clawless.	<i>Aonyx (Paraoxyx) conigica microdon.</i>	Cameroon, Nigeria .....	.....do .....	.....	E	3	NA	NA
Otter, giant	<i>Pteronura brasiliensis</i> .	South America .....	.....do .....	.....	E	3, 15	NA	NA
Otter, long-tailed	<i>Lutra longicaudis</i> (incl. platensis).	.....do .....	.....	.....	E	15	NA	NA
Otter, marine	<i>Lutra felina</i>	Peru south to Straits of Magellan.	.....do .....	.....	E	15	NA	NA
Otter, southern river	<i>Lutra provocax</i>	Chile, Argentina	.....do .....	.....	E	15	NA	NA
Otter, southern sea	<i>Enhydra lutris nereis</i>	West Coast, U.S.A. (CA, OR, WA) south to Mexico (Baja California).	.....	Entire, except where listed below.	T	21, 284	NA	NA

Common name	Species Scientific name	Historic range	Vertebrate population where endangered or threatened	Status	When listed	Critical habitat	Special rules
Do .....	.....do .....	.....do	All areas subject to U.S. jurisdiction south of Pt. Conception, CA (34°26' N. Lat.) [Note—status governed by Pub. L. 99-625, 100 Stat. 3500].	XN	21, 284	NA	17.84(d)
Panda, giant	<i>Ailuropoda melanoleuca.</i>	China	Entire	E	139	NA	NA
Pangolin (=scaly ant-eater), Panther, Florida	<i>Manis temminckii</i>	Africa .....	.....do	E	15	NA	NA
Planigale, little	<i>Felis concolor coryi</i>	U.S.A. (LA and AR east to SC and FL). Australia .....	.....do	E	1	NA	NA
Planigale, southern	<i>Planigale ingrami subtilissima.</i>	.....do .....	.....do	E	4	NA	NA
Porcupine, thin-spined	<i>Planigale tenuirostris</i>	Brazil .....	.....do	E	4	NA	NA
Possum, Leadbeater's	<i>Chaetomys subspinosus.</i>	.....do .....	.....do	E	3	NA	NA
Possum, mountain pygmy.	<i>Gymnobelideus leadbeateri.</i>	.....do .....	.....do	E	233	NA	NA
Possom, scaly-tailed ...	<i>Burramys parvus</i>	Australia .....	.....do	E	4	NA	NA
Prairie dog, Mexican ...	<i>Wyulda squamicaudata.</i>	.....do .....	.....do	E	4	NA	NA
Prairie dog, Utah	<i>Cynomys mexicanus</i>	Mexico .....	.....do	E	4	NA	NA
Pronghorn, peninsular	<i>Cynomys parvidens</i>	U.S.A. (UT) .....	.....do	T	3	NA	NA
Pronghorn, Sonoran ...	<i>Antilocapra americana peninsulae.</i>	Mexico (Baja California).	.....do	E	6, 149	NA	17.40(g)
Pudu	<i>Antilocapra americana sonoriensis.</i>	U.S.A. (AZ), Mexico ..	.....do	E	10	NA	NA
	<i>Pudu pudu</i>	Southern South America.	.....do	E	1, 3	NA	NA
				E	15	NA	NA

Puma, Costa Rican	<i>Felis concolor costaricensis.</i>	Nicaragua, Panama, Costa Rica.	.....do	E	15	NA
Quokka Rabbit, Lower Keys	<i>Setonix brachyurus</i> ... <i>Sylvilagus palustris</i> ... <i>hefneri.</i>	Australia .. U.S.A. (FL) .....	.....do	E	6 390	NA NA
Rabbit, Ryukyu	<i>Pentalagus furnessi</i> ..	Japan (Ryukyu Is- lands).	.....do	E	50	NA
Rabbit, volcano	<i>Romerolagus diazi</i> ...	Mexico .....	.....do	E	3	NA
Rat, false water	<i>Xeromys myoides</i> ...	Australia .....	.....do	E	4	NA
Rat, stick-nest	<i>Leporillus conditor</i> ...	.....do .....	.....do	E	6	NA
Rat-kangaroo, brush- tailed.	<i>Bettongia penicillata</i> ..	.....do .....	.....do	E	4	NA
Rat-kangaroo, Gaimard's.	<i>Bettongia gaimardi</i> ...	.....do .....	.....do	E	6	NA
Rat-kangaroo, Lesuers.	<i>Bettongia lesueuri</i> ....	.....do .....	.....do	E	4	NA
Rat-kangaroo, plain	<i>Caloprymnus campestris.</i>	.....do .....	.....do	E	4	NA
Rat-kangaroo, Queensland.	<i>Bettongia tropica</i> ....	.....do .....	.....do	E	4	NA
Rhinoceros, black	<i>Diceros bicornis</i>	Sub-Saharan Africa ..	.....do	E	97	NA
Rhinoceros, great In- dian.	<i>Rhinoceros unicornis</i>	India, Nepal .....	.....do	E	4	NA
Rhinoceros, Javan	<i>Rhinoceros sondaicus</i>	Indonesia, Indochina, Burma, Thailand, Sikkim, Ban- gladesh, Malaya- Zaire, Sudan, Ugan- da, Central African Republic.	.....do	E	3	NA
Rhinoceros, northern white.	<i>Ceratotherium simum cottoni.</i>	.....do .....	.....do	E	3	NA
Rhinoceros, Sumatran	<i>Dicerorhinus</i> (= <i>Didermoceros</i>) <i>sumatrensis.</i>	Bangladesh to Viet- nam to Indonesia (Borneo).	.....do	E	3	NA
Rice rat (=silver rice rat).	<i>Oryzomys palustris</i> <i>natalator</i> (=O. argentatus).	U.S.A. (FL)	Lower FL Keys (west of Seven Mile Bridge),	E	421	17.95(a)
Saiga, Mongolian (an- telope).	<i>Saiga tatarica</i> <i>mongolica.</i>	Mongolia	Entire	E	15	NA

Common name	Scientific name	Historic range	Vertebrate population where endangered or threatened	Status	When listed	Critical habitat	Special rules
Saki, southern beard-ed.	<i>Chiropotes satanas satanas.</i>	Brazil .....	.....do	E	233	NA	NA
Saki, white-nosed	<i>Chiropotes albinasus</i>	.....do .....	.....do	E	384E, 408, 614	226.12	NA
Sea-lion, Steller (=northern).	<i>Eumetopias jubatus</i> ..	U.S.A. (AK, CA, OR, WA) Canada, Russia; North Pacific Ocean.	Entire, except the population segment west of 144° W. Long.	T	3	NA	227.12
Do .....	.....do .....	.....do	Population segment west of 144° W. Long.	E	384E, 408, 614	226.12	NA
Seal, Caribbean monk	<i>Monachus tropicalis</i> ..	Caribbean Sea, Gulf of Mexico, U.S.A. (Farallon Islands of CA) south to Mexico (Islas Revillagigedo), U.S.A. (HI)	Entire	E	1, 2D, 45	NA	NA
Seal, Guadalupe fur ...	<i>Arctocephalus townsendi.</i>	.....do .....	.....do	T	1, 2D, 212	NA	227.11
Seal, Hawaiian monk ..	<i>Monachus schauinslandi.</i>	Mediterranean, Northwest African Coast and Black Sea.	.....do	E	18	226.11	NA
Seal, Mediterranean monk.	<i>Monachus monachus</i>	Finland (Lake Saimaa). Bangladesh, Southeast Asia, India, East Asia, Sumatra ...	.....do	E	3	NA	NA
Seal, Saimaa	<i>Phoca hispida saimensis.</i>	.....do .....	.....do	E	508	NA	NA
Seledang (=Gaur)	<i>Bos gaurus</i> .....	.....do .....	.....do	E	3	NA	NA
Serow	<i>Capricornis sumatraensis.</i>	.....do .....	.....do	E	15	NA	NA
Serval, Barbary	<i>Felis serval constantina.</i>	Algeria .....	.....do	E	3	NA	NA
Shapo	<i>Ovis vignei vignei</i>	Kashmir .....	.....do	E	15	NA	NA
Sheep, bighorn (Peninsular Ranges pop.).	<i>Ovis canadensis</i>	U.S.A. (Western conterminous states), Canada (southwestern), Mexico (northern).	U.S.A.; Peninsular Ranges of CA.	E	634	NA	NA

Shou	<i>Cervus elaphus wallachi.</i>	Tibet, Bhutan	do	E	3	NA
Shrew, Dismal Swamp southeastern.	<i>Sorex longirostris fisheri.</i>	U.S.A. (VA, NC)	do	T	246	NA
Siamang	<i>Sympalangus syndactylus.</i>	Malaysia, Indonesia ..	do	E	15	NA
Sifakas	<i>Propithecus</i> spp.	Madagasy Republic (=Madagascar).	do	E	4	NA
Sloth, Brazilian three-toed.	<i>Bradypterus torquatus</i> ...	Brazil	do	E	3	NA
Solenodon, Cuban	<i>Solenodon (Alipogale) cubanus.</i>	Cuba	do	E	3	NA
Solenodon, Haitian	<i>Solenodon paradoxus</i>	Dominican Republic, Haiti.	do	E	3	NA
Squirrel, Carolina northern flying.	<i>Glaucomys sabrinus coloratus.</i>	U.S.A. (NC, TN)	do	E	189	NA
Squirrel, Delmarva Peninsula fox.	<i>Sciurus niger cinereus.</i>	U.S.A. (Delmarva Peninsula to southeastern PA).	Entire, except Sussex Co., DE.	E	1, 161, 168	NA
Do .....	.....do .....	.....do	U.S.A. (DE—Sussex Co.).	XN	161	NA
Squirrel, Mount Graham red.	<i>Tamiasciurus hudsonicus granamensis.</i>	U.S.A. (AZ)	Entire	E	268	17.95(a)
Squirrel, Virginia northern flying.	<i>Glaucomys sabrinus fuscus.</i>	U.S.A. (VA, WV)	do	E	189	NA
Stag, Barbary	<i>Cervus elaphus barbarus.</i>	Tunisia, Algeria	do	E	3	NA
Stag, Kashmir	<i>Cervus elaphus hanglu.</i>	Kashmir	do	E	3	NA
Suni, Zanzibar	<i>Neotragus (Nesotragus) moschatus.</i>	Zanzibar (and nearby islands).	do	E	50	NA
Tahr, Arabian	<i>Hemitragus jayakari</i> ..	Oman	do	E	50	NA
Tamaraw	<i>Bubalus mindorensis</i>	Philippines	do	E	4	NA

Common name	Species Scientific name	Historic range	Vertebrate population where endangered or threatened	Status	When listed	Critical habitat	Special rules
Tamarin (=marmoset), golden-rumped (=golden-headed).	<i>Leontopithecus</i> (= <i>Leontideus</i>) spp..	Brazil .....	.....do	E	3	NA	NA
Tamarin, pied	<i>Saguinus bicolor</i> ....	.....do .....	.....do	E	16	NA	NA
Tamarin, white-footed	<i>Saguinus leucopus</i> ...	Colombia .....	.....do	T	16	NA	17.40(c)
Tapir, Asian	<i>Tapirus indicus</i>	Burma, Laos, Cam- bodia, Vietnam, Malaysia, Indo- nesia, Thailand.	.....do	E	15	NA	NA
Tapir, Brazilian	<i>Tapirus terrestris</i>	Colombia and Ven- ezuela south to Paraguay and Ar- gentina.	.....do	E	3	NA	NA
Tapir, Central Amer- ican.	<i>Tapirus bairdii</i>	Southern Mexico to Colombia and Ec- uador.	.....do	E	3	NA	NA
Tapir, mountain	<i>Tapirus pinchaque</i> ...	Colombia, Ecuador and possibly Peru and Venezuela.	.....do	E	3	NA	NA
Tarsier, Philippine	<i>Tarsius syrichta</i>	Philippines .....	.....do	T	16	NA	17.40(c)
Tiger	<i>Panthera tigris</i>	Temperate and tropi- cal Asia.	.....do	E	3.5	NA	NA
Tiger, Tasmanian (=Thylacine). Uakari (all species)	<i>Thylacinus</i> <i>cynocephalus</i> . <i>Cacajao</i> spp.	Australia .....	.....do	E	3	NA	NA
Urial	<i>Ovis musimon</i> (= <i>orientalis</i>) <i>ophion</i> .	Peru, Brazil, Ecuador, Colombia, Ven- ezuela.	.....do	E	3	NA	NA
Vicuna	<i>Vicugna vicugna</i>	Cyprus .....	.....do	E	15	NA	NA
Vole, Amargosa	<i>Microtus californicus</i> <i>scrippensis</i> .	South America (Andes). U.S.A. (CA) .....	.....do	E	3	NA	NA
				E	166	17.95(a)	NA

Vole, Florida salt marsh.	<i>Microtus pennsylvanicus dukemcampbelli.</i>	U.S.A. (FL)	do .....	.....	E	415	NA
Vole, Hualapai Mexican.	<i>Microtus mexicanus huapaiensis.</i>	U.S.A. (AZ)	do .....	.....	E	292	NA
Wallaby, banded hare	<i>Lagostrophus fasciatus.</i>	Australia	do .....	.....	E	4	NA
Wallaby, brindled nail-tailed.	<i>Onychogalea fraenata</i>	.....do	do .....	.....	E	4	NA
Wallaby, crescent nail-tailed.	<i>Onychogalea lunata</i>	.....do	do .....	.....	E	4	NA
Wallaby, Parma	<i>Macropus parma</i>	.....do	do .....	.....	E	4	NA
Wallaby, western hare	<i>Lagorchestes hirsutus</i>	.....do	do .....	.....	E	4	NA
Wallaby, yellow-footed rock.	<i>Petrogale xanthopus</i>	.....do	do .....	.....	E	6	NA
Whale, blue	<i>Balaenoptera musculus.</i>	Oceanic	do .....	.....	E	3	NA
Whale, bowhead	<i>Balaena mysticetus</i> ...	Oceanic (north latitudes only).	do .....	.....	E	3	NA
Whale, finback	<i>Balaenoptera physalus.</i>	Oceanic	do .....	.....	E	3	NA
Whale, gray	<i>Eschrichtius robustus</i>	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
Whale, humpback	<i>Megaptera novaeangliae.</i>	Oceanic .....	.....	Entire	E	3	NA
Whale, right	<i>Balaena glacialis</i> (incl. <i>australis</i>).	.....do	do .....	.....	E	3	222.31
Whale, Sei	<i>Balaenoptera borealis</i>	.....do	do .....	.....	E	3	226.13
Whale, sperm	<i>Physeter macrocephalus</i> (=caetodon).	.....do	do .....	.....	E	3	NA

Common name	Species Scientific name	Historic range	Vertebrate population where endangered or threatened	Status	When listed	Critical habitat	Special rules
Wolf, gray	<i>Canis lupus</i>	Holarctic	U.S.A., conterminous (lower 48) States, except MN and where listed as an experimental population; Mexico.	E	1, 6, 13, 15, 35, 561, 562, 631	17.95(a)	NA
Do .....	.....do .....	.....do	U.S.A. (MN)	T	35	17.95(a) NA	17.40(d) 17.84(i)
Do .....	.....do .....	.....do	U.S.A. (WY and portions of ID and MT—see 17.84(i)).	XN	561, 562	NA	17.84(i)
Do .....	.....do .....	.....do	U.S.A. (portions of AZ, NM and TX—see 17.84(k)).	XN	631	NA	17.84(k)
Wolf, maned	<i>Chrysocyon brachyurus</i> .	Argentina, Bolivia, Brazil, Paraguay, Uruguay.	Entire	E	4	NA	NA
Wolf, red	<i>Canis rufus</i>	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 Queen Island hairy-nosed).	<i>Lasiorhinus krefftii</i> (formerly <i>L. barnardi</i> and <i>L. gillespiei</i>).	Australia	Entire	E	4, 6	NA	NA
Woodrat, Key Largo ...	<i>Neotoma floridana</i> smalli.	U.S.A. (FL) .....	.....do	E	131E, 160	NA	NA
Yak, wild	<i>Bos grunniens mutus</i>	China (Tibet), India ..	.....do	E	3	NA	NA
Zebra, Grevy's	<i>Equus grevyi</i>	Kenya, Ethiopia, Somalia.	.....do	T	54	NA	NA
Zebra, Hartmann's mountain.	<i>Equis zebra hartmannae</i> .	Namibia, Angola .....	.....do	T	54, 111	NA	NA

Zebra, mountain	<i>Equis zebra zebra</i> ...	South Africa .....	.....do			NA	NA
BIRDS		U.S.A. (HI) .....	.....do	E	15, 111	NA	NA
'Akēpa, Hawaii (honeycreeper).	<i>Loxops coccineus</i> <i>coccineus</i>.	.....do .....	.....do	E	2	NA	NA
'Akēpa, Maui (honeycreeper).	<i>Loxops coccineus</i> <i>achraceus</i>.	.....do .....	.....do	E	2	NA	NA
'Akialoa, Kauai (honeycreeper).	<i>Hemignathus</i> <i>procerus</i>.	.....do .....	.....do	E	1	NA	NA
'Akia'polā'a'u (honeycreeper).	<i>Hemignathus munroi</i> <i>(=wilsoni)</i>.	.....do .....	.....do	E	1	NA	NA
Albatross, Amsterdam	<i>Diomedea amsterdamsis</i> .	Indian Ocean—Am- sterdam Island.	.....do	E	571	NA	NA
Albatross, short-tailed	<i>Diomedea albatrus</i> ...	Entire, except U.S.A	.....do	E	3	NA	NA
Alethe, Thyolo	<i>Alethe choloensis</i>	Japan, China, Rus- sia, U.S.A. (AK, CA, HI, OR, WA).	Entire	E	571	NA	NA
Blackbird, yellow- shouldered.	<i>Agelaius xanthomus</i>	Malawi, Mozambique U.S.A. (PR) .....	.....do	E	17	17.95(b)	NA
Bobwhite, masked (quail).	<i>Colinus virginianus</i> <i>ridgwayi</i> .	U.S.A. (AZ), Mexico (Sonora).	.....do	E	1, 3	NA	NA
Booby, Abbott's	<i>Sula abbotti</i>	Indian Ocean—Christ- mas Island.	.....do	E	15	NA	NA
Bristlebird, western	<i>Dasyornis</i> <i>brachypterus</i> <i>longirostris</i> .	Australia .....	.....do	E	3	NA	NA
Bristlebird, western ru- fous.	<i>Dasyornis broadbenti</i>	.....do .....	.....do	E	15	NA	NA
Broadbill, Guam	<i>Myiagra freycineti</i>	Western Pacific Ocean—U.S.A. (Guan).	.....do	E	156	NA	NA
Bulbul, Mauritius olive- aceous.	<i>Hypsipetes</i> <i>borbonicus</i> <i>olivaceus</i> .	Indian Ocean—Mauri- tius.	.....do	E	3	NA	NA
Bullfinch, Sao Miguel (finch).	<i>Pyrrhula pyrrhula</i> <i>murina</i> .	Eastern Atlantic Ocean—Azores.	.....do	E	3	NA	NA
Bush-shrike, Ulugura ..	<i>Malacocrotus affinis</i>	Tanzania .....	.....do	T	571	NA	NA

Common name	Species Scientific name	Historic range	Vertebrate population where endangered or threatened	Status	When listed	Critical habitat	Special rules
Bushwren, New Zealand.	<i>Xenicus longipes</i>	New Zealand .....	.....do	E	3	NA	NA
Bustard, great Indian ..	<i>Chortocotis nigriceps</i>	India, Pakistan .....	.....do	E	3	NA	NA
Cahow (=Bermuda petrel).	<i>Pterodroma cahow</i>	North Atlantic Ocean—Bermuda.	.....do	E	3	NA	NA
Caracara, Audubon's crested.	<i>Polyborous plancus audubonii</i> .	U.S.A. (AZ, FL, LA, NM, TX) south to Panama; Cuba.	U.S.A. (FL)	T	280	NA	NA
Condor, Andean	<i>Vultur gryphus</i>	Colombia to Chile and Argentina.	Entire	E	4	NA	NA
Condor, California	<i>Gymnogyps californianus</i> .	U.S.A. (AZ, CA, OR), Mexico (Baja California).	U.S.A. only, except where listed as an experimental population below.	E	1, 597	17.95(b)	NA
Do .....	.....do .....	.....do	U.S.A. (specific portions of Arizona, Nevada, and Utah). Entire	XN	597	NA	17.84(j)
Coot, Hawaiian (=ʻalae-keokeo').	<i>Fulica americana alata</i>	U.S.A. (HI) .....	.....do	E	2	NA	NA
Cotinga, banded	<i>Cotinga maculata</i>	Brazil .....	.....do	E	15	NA	NA
Cotinga, white-winged	<i>Xiphocolaptes atropurpurea</i>.	.....do .....	.....do	E	15	NA	NA
Crane, black-necked ..	<i>Grus nigricollis</i>	China (Tibet) .....	.....do	E	15	NA	NA
Crane, Cuba sandhill ..	<i>Grus canadensis nesiotis</i> .	West Indies—Cuba .....	.....do	E	15	NA	NA
Crane, hooded	<i>Grus monacha</i>	Japan, Russia .....	.....do	E	4	NA	NA
Crane, Japanese	<i>Grus japonensis</i>	China, Japan, Korea, Russia.	.....do	E	3	NA	NA
Crane, Mississippi sandhill.	<i>Grus canadensis pulla</i> .	U.S.A. (MS) .....	.....do	E	6	17.95(b)	NA
Crane, Siberian white	<i>Grus leucogeranus</i>	C.I.S. (Siberia) to India, including Iran and China.	.....do	E	4	NA	NA
Crane, white-naped	<i>Grus vipio</i>	Mongolia .....	.....do	E	15	NA	NA

Crane, whooping	<i>Grus americana</i>	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)
Do .....	.....do .....	.....do	U.S.A. (CO, ID, FL, NM, UT, WY) Entire	XN E	487, 621 10	NA 17.84.(h)
Creeper, Hawaii	<i>Oreomyzopsis (=Loxops) maria.</i>	U.S.A. (HI) .....	.....do	E	2	NA
Creeper, Molokai (=kakawahie).	<i>Paroreomyza (=Oreomyzopsis, =Loxops) flammea.</i>	.....do .....	.....do	E	2	NA
Creeper, Oahu (=alauwahio).	<i>Paroreomyza (=Oreomyzopsis, =Loxops) maculata.</i>	.....do .....	.....do	E	2	NA
Crow, Hawaiian (='alala).	<i>Corvus hawaiiensis (=tropicus).</i>	.....do .....	.....do	E	1	NA
Crow, Mariana	<i>Corvus kubaryi</i>	Western Pacific Ocean—U.S.A. (Guam, Rota). U.S.A. (PR), Dominican Republic, Haiti. Indian Ocean—Mauritius.	.....do	E	156	NA
Crow, white-necked	<i>Corvus leucognaphalus.</i>	.....do .....	.....do	E	419	NA
Cuckoo-shrike, Mauritius.	<i>Coquus (=Coracina) typicus.</i>	.....do .....	.....do	E	3	NA
Cuckoo-shrike, Re-union.	<i>Coquus (=Coracina) newtonii.</i>	.....do .....	.....do	E	3	NA
Curassow, razor-billed	<i>Mitu (=Crax) mitu mitu.</i>	Brazil (Eastern) .....	.....do	E	15	NA
Curassow, red-billed ..	<i>Crax blumenbachii</i>	Brazil .....	.....do	E	4	NA
Curassow, Trinidad white-headed.	<i>Pipile pipile pipile</i>	West Indies—Trinidad	.....do	E	3	NA
Curlew, Eskimo	<i>Numenius borealis</i>	Alaska and northern Canada to Argentina.	.....do	E	1, 3	NA
Dove, cloven-feathered	<i>Drepanoptila holosericea.</i>	Southwest Pacific Ocean—New Caledonia.	.....do	E	3	NA
Dove, Grenada gray-fronted.	<i>Leptotila rufaxilla wellsi.</i>	West Indies—Grenada.	.....do	E	3	NA

Common name	Species Scientific name	Historic range	Vertebrate population where endangered or threatened	Status	When listed	Critical habitat	Special rules
Duck, Hawaiian (=koala).	<i>Anas wyvilliana</i>	U.S.A. (HI) .....	.....do	E	1	NA	NA
Duck, Laysan	<i>Anas laysanensis</i> .....	....do .....	....do	E	1	NA	NA
Duck, pink-headed	<i>Rhodonessa caryophyllacea</i>	India .....	....do	E	15	NA	NA
Duck, white-winged wood.	<i>Cairina scutulata</i>	India, Malaysia, Indo-nesia, Thailand.	.....do	E	3	NA	NA
Eagle, bald	<i>Haliaeetus leucocephalus</i> .	North America south to northern Mexico. Greenland and adjacent Atlantic islands. Mexico south to Argentina.	U.S.A. (conterminous (lower 48) States.. Entire	T	1, 34, 580	NA	17.41(a)
Eagle, Greenland white-tailed.	<i>Haliaeetus albicilla groenlandicus</i>.	.....do .....	.....do	E	15	NA	NA
Eagle, harpy	<i>Harpyia harpyja</i> .....	.....do .....	.....do	E	15	NA	NA
Eagle, Madagascar serpent.	<i>Euriorchis astur</i> .....	.....do .....	.....do	E	571	NA	NA
Eagle, Madagascar sea.	<i>Haliaeetus vociferoides</i>.	.....do .....	.....do	E	571	NA	NA
Eagle, Philippine (=monkey-eating).	<i>Pithecophaea jefferyi</i>	Philippines .....	.....do	E	3	NA	NA
Eagle, Spanish imperial.	<i>Aquila heliaca adalberti</i> .	Spain, Morocco, Algeria.	.....do	E	3	NA	NA
Egret, Chinese	<i>Egretta euophotes</i>	China, Korea .....	.....do	E	3	NA	NA
Eider, spectacled	<i>Somateria (Arctonetta) fischeri</i> .	U.S.A. (AK), Russia .. (=Arctonetta, =Lampronetta)	.....do	T	503	NA	NA
Eider, Steller's	<i>Polysticta stelleri</i>	U.S.A. (AK), Russia, winters to Scandinavia.	U.S.A. (AK breeding population only).	T	616	NA	NA
Falcon, American peregrine.	<i>Falco peregrinus anatum</i> .	Nests from central Alaska across north-central Canada to central Mexico, winters to South America.	Entire	E	2, 3, 145	17.95(b)	NA

Falcon, Eurasian peregrine.	<i>Falco peregrinus peregrinus.</i>	Europe, Eurasia south to Africa and Mideast. U.S.A. (AZ, NM, TX), Mexico, Guatemala. Worldwide, except Antarctica and most Pacific islands.	.....do	E	15	NA	NA
Falcon, northern aplomado.	<i>Falco femoralis septentrionalis.</i>	.....do	E	216	NA	NA	NA
Falcon, peregrine	<i>Falco peregrinus</i>	Wherever found in wild in the conterminous (lower 48) States. Entire	E(S/A)	145	NA	NA	NA
Finch, Laysan (honeycreeper).	<i>Telespiza (=Psittirostra) cantans.</i>	.....do	E	1	NA	NA	NA
Finch, Nihoa (honeycreeper).	<i>Telespiza (=Psittirostra) ultima.</i>	.....do	E	1	NA	NA	NA
Flycatcher, Euler's	<i>Empidonax euleri johnstonei.</i>	West Indies—Grenada. Indian Ocean—Seychelles.	.....do	E	3	NA	NA
Flycatcher, Seychelles paradise.	<i>Terpsiphone corvina</i>	U.S.A. (AZ, CA, CO, NM, TX, UT), Mexico.	.....do	E	3	NA	NA
Flycatcher, southwestern willow.	<i>Empidonax traillii extimus.</i>	South Pacific Ocean—Tahiti. Indian Ocean—Mauritius. Indian Ocean—Rodrigues Island (Mauritius). Indian Ocean—Seychelles. Djibouti .....	.....do	E	577	17.95(b)	NA
Flycatcher, Tahiti	<i>Pomareaa nigra</i> .....	.....do	E	3	NA	NA	NA
Fody, Mauritius	<i>Foudia rubra</i> .....	.....do	E	571	NA	NA	NA
Fody, Rodrigues	<i>Foudia flavicans</i> .....	.....do	E	571	NA	NA	NA
Fody, Seychelles (weaver-finch).	<i>Foudia sechellarum</i> ..	.....do	E	3	NA	NA	NA
Francolin, Djibouti	<i>Francolinus ochropectus.</i>	.....do	E	571	NA	NA	NA
Frigatebird, Andrew's ..	<i>Fregata andrewsi</i> ..	East Indian Ocean ..	E	15	NA	NA	NA
Gnatcatcher, coastal California.	<i>Poliopitta californica californica.</i>	U.S.A. (CA), Mexico ..	T	496	NA	NA	17.41(b)
Goose, Aleutian Canada.	<i>Branta canadensis leucopareia.</i>	U.S.A. (AK, CA, OR, WA), Japan.	T	1, 3, 410	NA	NA	NA

Common name	Species Scientific name	Historic range	Vertebrate population where endangered or threatened	Status	When listed	Critical habitat	Special rules
Goose, Hawaiian (=nene).	<i>Nesochen (=Branta) sandvicensis.</i>	U.S.A. (HI) .....	.....do	E	1	NA	NA
Goshawk, Christmas Island.	<i>Accipiter fasciatus natalis.</i>	Indian Ocean—Christ- mas Island. Mexico .....	.....do	E	3	NA	NA
Grackle, slender-billed	<i>Quiscalus (=Cassidix) palustris.</i>	Mexico .....	.....do	E	3	NA	NA
Grasswren, Eyrean (flycatcher).	<i>Amytornis goyderi</i>	Australia .....	.....do	E	3	NA	NA
Grebe, Alabtra	<i>Tachybaptus rufoflavatus.</i>	Madagascar .....	.....do	E	571	NA	NA
Grebe, Attilan	<i>Podilymbus gigas</i>	Guatemala .....	.....do	E	3	NA	NA
Greenshank, Nordmann's.	<i>Tringa guttifer</i>	Russia, Japan, south to Malaya, Borneo. Guatemala, Mexico .....	.....do	E	15	NA	NA
Guan, horned	<i>Oreophasis derbianus</i>	Peru .....	.....do	E	3	NA	NA
Guineafowl, white- breasted.	<i>Penelope albipennis</i>	West Africa .....	.....do	E	401	NA	NA
Gull, Audouin's	<i>Agelaioides meleagrides.</i>	Mediterranean Sea .....	.....do	E	3	NA	NA
Gull, relict	<i>Larus audouinii</i>	India, China .....	.....do	E	15	NA	NA
Hawk, Anjouan Island sparrow.	<i>Larus relictus</i>	Indian Ocean— Comoro Islands.	.....do	E	3	NA	NA
Hawk, Galapagos	<i>Accipiter francesii pusillus.</i>	Ecuador (Galapagos Islands).	.....do	E	3	NA	NA
Hawk, Hawaiian (=io)	<i>Buteo solitarius</i>	U.S.A. (HI) .....	.....do	E	1	NA	NA
Hawk, Puerto Rican broad-winged.	<i>Buteo platypterus brunneascens.</i>	U.S.A. (PR) .....	.....do	E	550	NA	NA
Hawk, Puerto Rican sharp-shinned.	<i>Accipiter striatus venator.</i>	.....do .....	.....do	E	550	NA	NA
Hermit, hook-billed (hummingbird).	<i>Glaucis (=Ramphodon) dohrnii.</i>	Brazil .....	.....do	E	15	NA	NA
Honeycreeper, crested (='akohokohe).	<i>Palmeria dolei</i>	U.S.A. (HI) .....	.....do	E	1	NA	NA
Honeyeater, helmeted	<i>Meipha gaga cassidix</i> ...	Australia .....	.....do	E	4	NA	NA

Hornbill, helmeted	<i>Rhinoplax vigil</i>	Thailand, Malaysia China, Japan, Russia, Korea.	do do do	E	15
Ibis, Japanese crested	<i>Nipponia nippon</i>	do	E	3	NA
Ibis, northern bald	<i>Geronticus eremita</i>	do	E	401	NA
Scrub-jay, Florida	<i>Aphelocoma coerulescens</i> .	do	T	267	NA
Kagu	<i>Rhynchoetos jubatus</i>	South Pacific Ocean—New Cal- edonia.	E	3	NA
Kakapo (=owl-parrot) ..	<i>Strigops habroptilus</i> ..	New Zealand	E	3	NA
Kestrel, Mauritius	<i>Falco punctatus</i>	Indian Ocean—Mauri- tius.	E	3	NA
Kestrel, Seychelles	<i>Falco aeraea</i>	Indian Ocean— Seychelles Islands.	E	3	NA
Kingfisher, Guam Mi- croesian.	<i>Halcyon cinnamomina</i>	West Pacific Ocean— U.S.A. (Guam).	E	156	NA
Kite, Cuba hook-billed	<i>Chondrohierax uncinatus</i> .	West Indies—Cuba ...	E	3	NA
Kite, Everglade snail ...	<i>Rostramus sociabilis</i>	U.S.A. (FL), Cuba	E	1	17.95(b)
Kite, Grenada hook- billed.	<i>Chondrohierax uncinatus mirus</i> .	West Indies—Gre- nada.	E	3	NA
Kokako (wattlebird)	<i>Callaeas cinerea</i>	New Zealand	E	3	NA
Lark, Raso	<i>Alauda razae</i>	Atlantic Ocean—Raso Island (Cape Verde).	E	571	NA
Macaw, glaucous	<i>Anodorhynchus glaucus</i> .	Paraguay, Uruguay, Brazil	E	15	NA
Macaw, indigo	<i>Anodorhynchus leari</i>	Brazil	E	15	NA
Macaw, little blue	<i>Cyanopsitta spixii</i>	do	E	15	NA
Magpie-robin, Seychelles (thrush).	<i>Copsychus sechellarum</i> .	Indian Ocean— Seychelles Islands.	E	3	NA
Malimbe, Ibadan	<i>Malimbus ibadanensis</i>	Nigeria	E	571	NA
Maikoha, red-faced (cuckoo).	<i>Phoenicophaeus pyrrhocephalus</i> .	Sri Lanka (=Ceylon) .. do	E	3	NA

Common name	Scientific name	Historic range	Vertebrate population where endangered or threatened	Status	When listed	Critical habitat	Special rules
Mallard, Mariana	<i>Anas oustaletii</i>	West Pacific Ocean—U.S.A. (Guam, Mariana Islands).	.....do	E	23	NA	NA
Megapode, Maleo	<i>Macrocephalon maleo</i>	Indonesia (Celebes) ..	.....do	E	3	NA	NA
Megapode, Micronesian (=La Perouse's).	<i>Megapodius laperouse.</i>	West Pacific Ocean—Paiu Islands, U.S.A. (Mariana Islands).	.....do	E	3	NA	NA
Millerbird, Nihoa (old world warbler), Monarch, Tinian (old world flycatcher).	<i>Acrocephalus familiaris kingi.</i> <i>Monarcha takatsukasae.</i>	U.S.A. (HI) .....	.....do	E	1	NA	NA
Moorhen (=gallinule), Hawaiian common.	<i>Gallinula chloropus sandvicensis.</i>	West Pacific Ocean—U.S.A. (Guam, Tinian, Saipan, Pagan).	.....do	T	3, 261	NA	NA
Moorhen (=gallinule), Mariana common.	<i>Gallinula chloropus guami.</i>	U.S.A. (AK, CA, OR, WA) Canada (B.C.).	.....do	E	1	NA	NA
Murrelet, marbled	<i>Brachyramphus marmoratus.</i> <i>marmoratus.</i>	U.S.A. (PR) .....	.....do	E	156	NA	NA
Nightjar, Puerto Rican (=whip-poor-will).	<i>Hemignathus lucidus noctitherus.</i>	Entire .....	.....do	T	479	17.95(b)	NA
Nukup'u'u (honeycreeper).	<i>Caprimulgus noctitherus.</i>	U.S.A. (HI) .....	.....do	E	6	NA	NA
Nuthatch, Algerian	<i>Sitta ledanti</i>	Algeria .....	.....do	E	1, 2	NA	NA
'O'o, Kauai (=o'o 'aa) (honeyeater).	<i>Moho braccatus</i>	U.S.A. (HI) .....	.....do	E	1	NA	NA
'Ou (honeycreeper) ...	<i>Psittirostra psittacea</i> ..	.....do .....	.....do	E	1	NA	NA
Ostrich, Arabian	<i>Struthio camelus syriacus.</i>	Jordan, Saudi Arabia .....	.....do	E	3	NA	NA
Ostrich, West African ..	<i>Struthio camelus spazi.</i>	Spanish Sahara .....	.....do	E	3	NA	NA

Owl, Anjouan scops	<i>Otus rutilus capnodes</i>	Indian Ocean—Comoro Island.	.....do	E	3	NA	NA
Owl, giant scops	<i>Otus gurneyi</i>	Philippines—Marinduque and Mindanao Island.	.....do	E	15	NA	NA
Owl, Madagascar red Owl, Mexican spotted Owl, northern spotted Owl, Seychelles	<i>Tyto soumagnei</i>	Madagascar U.S.A. (AZ, CO, NM, TX, UT), Mexico.	.....do	E	401	NA	NA
	<i>Strix occidentalis lucida</i> .	U.S.A. (CA, OR, WA), Canada (B.C.)	.....do	T	494	NA	NA
	<i>Strix occidentalis caurina</i> .	Canada (B.C.), Indian Ocean—Seychelles Islands.	.....do	T	393	17.95(b)	NA
	<i>Otus insularis</i>	Kenya .....	.....do	E	3	NA	NA
Owlet, Morden's (=sokke).	<i>Otus ireneae</i>	Atlantic Ocean—Cany Islands.	.....do	E	3	NA	NA
Oystercatcher,	<i>Haematopus meadewaldoi</i> .	U.S.A. (HI) .....	.....do	E	571	NA	NA
Canarian black.	<i>Loxioides</i> (= <i>Psittoirostra</i>)	bailleui.	.....do	E	1	17.95(b)	NA
Palila (honeycreeper)	<i>Cyanoramphus auriceps forbesi</i> .	New Zealand .....	.....do	E	3	NA	NA
Parakeet, Forbes'	<i>Aратинга guarouba</i> ...	Brazil .....	.....do	E	15	NA	NA
Parakeet, golden	<i>Psephotus chrysoterygius</i> .	Australia .....	.....do	E	3	NA	NA
Parakeet, golden-shouldered (=hooded).	<i>Psittacula echo</i>	Indian Ocean—Mauritius.	.....do	E	3	NA	NA
Parakeet, Mauritius	<i>Cyanoramphus novaeseelandiae cookii</i> .	Australia (Norfolk Is-land),	.....do	E	401	NA	NA
Parakeet, Norfolk Is-land.	<i>Pyrrhura cruentata</i> ...	Brazil .....	.....do	E	3	NA	NA
Parakeet, ochre-marked.	<i>Neophaena chrysogaster</i> .	Australia .....	.....do	E	4	NA	NA
Parakeet, orange-bel- lied.	<i>Psephotus pulcherimus</i>.	.....do .....	.....do	E	4	NA	NA
Parakeet, paradise (=beautiful).	<i>Neophaena splendida</i>	.....do .....	.....do	E	4	NA	NA
Parakeet, scarlet-chested (=splendid).	<i>Neophaena pulchella</i>	.....do .....	.....do	E	3	NA	NA

Common name	Species Scientific name	Historic range	Vertebrate population where endangered or threatened	Status	When listed	Critical habitat	Special rules
Parrot, Australian	<i>Geopsittacus occidentalis.</i>	.....do .....	.....do	E	3	NA	NA
Parrot, Bahaman or Cuban.	<i>Amazona leucocephala.</i>	West Indies—Cuba, Bahamas, Cay- mans.	.....do	E	3, 15	NA	NA
Parrot, ground Parrot, imperial	<i>Pezoporus wallicus</i> .. <i>Amazona imperialis</i> ..	Australia West Indies—Domi- nica.	.....do	E	6	NA	NA
Parrot, Puerto Rican ..	<i>Amazona vittata</i> ..	U.S.A. (PR) .....	.....do	E	3	NA	NA
Parrot, Puerto Rican ..	<i>Amazona rhodocorytha.</i>	Brazil .....	.....do	E	1	NA	NA
Parrot, red-capped	<i>Pionopsitta pileata</i> ..	.....do .....	.....do	E	3	NA	NA
Parrot, red-necked	<i>Amazona arausiaca</i> ..	West Indies—Domi- nica.	.....do	E	15	NA	NA
Parrot, red-spectacled	<i>Amazona pretrei</i> <i>pretrei.</i>	Brazil, Argentina .....	.....do	E	50	NA	NA
Parrot, red-tailed	<i>Amazona brasiliensis</i> <i>Coracopsis nigra</i> <i>barklyi.</i>	Brazil Indian Ocean— Seychelles (Praslin Island).	.....do	E	15	NA	NA
Parrot, St. Lucia	<i>Amazona versicolor</i> ..	West Indies—St. Lucia.	.....do	E	401	NA	NA
Parrot, St. Vincent	<i>Amazona guildingii</i> ..	West Indies—St. Vin- cent.	.....do	E	571	NA	NA
Parrot, thick-billed	<i>Rhynchositta pachyrhyncha.</i>	Mexico .....	.....do	E	3	NA	NA
Parrot, vinaceous- breasted.	<i>Amazona vinacea</i> ..	Brazil .....	.....do	E	3	NA	NA
Parrotbill, Maui (honeycreeper).	<i>Pseudonestor xanthophrys.</i>	U.S.A. (HI) .....	.....do	E	15	NA	NA
Pelican, brown	<i>Pelecanus occidentalis.</i>	U.S.A (Carolinas to TX, CA, OR, WA), West Indies, coast- al Central and South America.	Entire, except U.S. Atlantic coast, FL, AL.	E	1	NA	NA
					2, 3, 171	NA	

Penguin, Galapagos ...	<i>Spheniscus mendiculus.</i>	Ecuador (Galapagos Islands), U.S.A. (HI)	Entire ..........do	E	3	NA
Petrel, Hawaiian dark-rumped.	<i>Pterodroma phaeopygia sandwichensis.</i>	Atlantic Ocean—Maderia Island.	.....do	E	1	NA
Petrel, Madeira (=freira).	<i>Pterodroma madeira</i> .	Indian Ocean—Mauritius (Reunion Is-land).	.....do	E	571	NA
Petrel, Mascarene black.	<i>Pterodroma aterrima</i>	Burma, China .....	.....do	E	571	NA
Pheasant, bar-tailed ...	<i>Syrmaticus humiae</i> ...	Burma, China, India .....	.....do	E	3	NA
Pheasant, Blyth's tragopan.	<i>Tragopan blythii</i>	Burma, China .....	.....do	E	3	NA
Pheasant, brown eared.	<i>Crossoptilon mantchuricum.</i>	China .....	.....do	E	3	NA
Pheasant, Cabot's tragopan.	<i>Tragopan caboti</i> .....	.....do .....	.....do	E	3	NA
Pheasant, cheer	<i>Catreus wallichii</i>	India, Nepal, Pakistan .....	.....do	E	401	NA
Pheasant, Chinese monal.	<i>Lophophorus lhuysii</i>	China .....	.....do	E	3	NA
Pheasant, Edward's ...	<i>Lophura edwardsi</i>	Vietnam .....	.....do	E	3	NA
Pheasant, Elliot's	<i>Syrmaticus ellioti</i>	China .....	.....do	E	15	NA
Pheasant, imperial	<i>Lophura imperialis</i>	Vietnam .....	.....do	E	3	NA
Pheasant, Mikado	<i>Syrmaticus mikado</i>	Taiwan .....	.....do	E	3	NA
Pheasant, Palawan peacock.	<i>Polypectron emphانum.</i>	Philippines .....	.....do	E	3	NA
Pheasant, Sclater's monal.	<i>Lophophorus sclateri</i>	Burma, China, India .....	.....do	E	3	NA
Pheasant, Swinhoe's ..	<i>Lophura swinhoii</i>	Taiwan .....	.....do	E	3	NA
Pheasant, western tragopan.	<i>Tragopan melanocephalus.</i>	India, Pakistan .....	.....do	E	3	NA
Pheasant, white eared	<i>Crossoptilon crossoptilon.</i>	China (Tibet), India .....	.....do	E	4	NA
Pigeon, Azores wood azorica.	<i>Columba palumbus azorica.</i>	East Atlantic Ocean—Azores.	.....do	E	3	NA
Pigeon, Chatham Is-land.	<i>Hemiphaga novaeseelandiae chathamensis.</i>	New Zealand .....	.....do	E	3	NA

Common name	Species Scientific name	Historic range	Vertebrate population where endangered or threatened	Status	When listed	Critical habitat	Special rules
Pigeon, Mindoro zone-tailed.	<i>Ducula mindorensis</i> ..	Philippines .....	.....do	E	15	NA	NA
Pigeon, pink	<i>Columba</i> (= <i>Nesoenas</i>) <i>mayeri</i> .	Indian Ocean—Mauritius.	.....do	E	571	NA	NA
Pigeon, Puerto Rican plain.	<i>Columba inornata</i> <i>wetmorei</i> .	U.S.A. (PR) .....	.....do	E	2	NA	NA
Pigeon, white-tailed laurel.	<i>Columba junoniae</i>	Atlantic Ocean—Cany Islands.	.....do	T	571	NA	NA
Piping-guan, black-fronted.	<i>Pipile jacutinga</i>	Argentina .....	.....do	E	15	NA	NA
Pitta, Koch's	<i>Pitta kochi</i>	Philippines .....	.....do	E	15	NA	NA
Plover, New Zealand shore.	<i>Thinornis novaeseelandiae</i> .	New Zealand .....	.....do	E	3	NA	NA
Plover, piping	<i>Charadrius melanotos</i> ..	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 .....	.....do	T	211	NA	NA
Plover, western snowy	<i>Charadrius alexandrinus nivosus</i> .	U.S.A. (AZ, CA, CO, KS, NM, NV, OK, OR, TX, UT, WA), Mexico, U.S.A. (HI)	U.S.A. (CA, OR, WA), Mexico (Within 50 miles of Pacific coast), Entire	T	493	NA	NA
Po'ouli (honeycreeper)	<i>Melampsops phaeosoma</i> .	Aythya innotata	Madagascar	E	10	NA	NA
Pochard, Madagascar Prairie-chicken, Attwater's greater.	<i>Tympoanuchus cupido attwateri</i> .	U.S.A. (TX) .....	.....do	E	571	NA	NA

Pygmy-owl, cactus ferruginous.	<i>Glaucidium brasiliandum</i> <i>cactorum.</i>	U.S.A. (AZ, TX), Mexico.	AZ	E	610	NA	NA
Quail, Merriam's Montezuma.	<i>Cytorox montezumae</i> <i>merriami.</i>	Mexico (Vera Cruz) ...	Entire	E	15	NA	NA
Quetzal, resplendent ..	<i>Pharomachrus mocinno.</i>	Mexico to Panama ...	.....do	E	15	NA	NA
Rail, Auckland Island	<i>Rallus pectoralis</i> <i>muellieri.</i>	New Zealand .....	.....do	E	3	NA	NA
Rail, California clapper	<i>Rallus longirostris</i> <i>obsoletus.</i>	U.S.A. (CA) .....	.....do	E	2	NA	NA
Rail, Guam	<i>Rallus owstoni</i>	Western Pacific Ocean—U.S.A. (Guam).	Entire, except Rota ...	E	146E, 156	NA	NA
Do	.....do	.....do	Rota	XN	371	NA	NA
Rail, light-footed clapper.	<i>Rallus longirostris</i> <i>leucomystax.</i>	U.S.A. (CA), Mexico (Baja California). Australia (Lord Howe Island).	U.S.A. only	E	2	NA	NA
Rail, Lord Howe wood Rail	<i>Tricholimnas</i> <i>sylvestris.</i>	Mexico, U.S.A. (AZ, CA).	U.S.A. only	E	15	NA	NA
Rail, Yuma clapper	<i>Rallus longirostris</i> <i>yumanensis.</i>	Argentina, Bolivia, Peru, Uruguay.	Entire	E	1	NA	NA
Rhea, Darwin's	<i>Pterocnemia pennata</i>	New Zealand .....	.....do	E	3	NA	NA
Robin, Chatham Island Robin	<i>Petroica traversi</i>	Mozambique, Tanzania.	.....do	T	3	NA	NA
Robin, dappled mountain.	<i>Acanator</i> <i>(=Modularix)</i>	Orostruthus.	.....do		571	NA	NA
Robin, scarlet-breasted (flycatcher).	<i>Petroica multicolor</i> <i>multicolor.</i>	Australia (Norfolk Island).	.....do	E	3	NA	NA
Rockfowl, grey-necked	<i>Picathartes oreas</i>	Cameroon, Gabon ...	.....do	E	3	NA	NA
Rockfowl, white-necked.	<i>Picathartes gymnocephalus.</i>	Africa—Togo to Sierra Leone.	.....do	E	3	NA	NA
Roller, long-tailed ground.	<i>Uratelornis chimaera</i>	Madagasy Republic (=Madagascar).	.....do	E	3	NA	NA
Scrub-bird, noisy	<i>Atrichornis clamosus</i>	Australia .....	.....do	E	3	NA	NA
Shama, Cebu black (thrush).	<i>Copsychus niger</i> <i>cebrensis.</i>	Philippines .....	.....do	E	3	NA	NA

Common name	Scientific name	Historic range	Vertebrate population where endangered or threatened	Status	When listed	Critical habitat	Special rules
Shearwater, Newell's Townsend's (formerly Manx) (= 'a'o).	<i>Puffinus auricularis</i> (= <i>puffinus</i>) <i>newelli</i> .	U.S.A. (HI) .....	.....do	T	10	NA	NA
Shrike, San Clemente loggerhead.	<i>Lanius ludovicianus meearnsi</i> .	U.S.A. (CA) .....	.....do	E	26	NA	NA
Siskin, red	<i>Carduelis</i> (= <i>Spinus</i>) <i>cucullata</i> .	South America .....	.....do	E	15	NA	NA
Sparrow, Cape Sable seaside.	<i>Ammodramus</i> (= <i>Ammospiza</i>) <i>maritimus mirabilis</i> .	U.S.A. (FL) .....	.....do	E	1	17.95(b)	NA
Sparrow, Florida grasshopper.	<i>Ammodramus savannarum floridanus</i>.	.....do .....	.....do	E	239	NA	NA
Sparrow, San Clemente sage.	<i>Amphispiza bellii clementae</i> .	U.S.A. (CA) .....	.....do	T	26	NA	NA
Starling, Ponape mountain.	<i>Apeltes pelezeini</i>	West Pacific Ocean—Federated States of Micronesia.	.....do	E	3	NA	NA
Starling, Rothschild's (myna).	<i>Leucopsar rothschildi</i>	Indonesia (Bali) .....	.....do	E	3	NA	NA
Stilt, Hawaiian (= 'ae'o)	<i>Himantopus mexicanus</i> (= <i>himantopus</i>) <i>knudseni</i> .	U.S.A. (HI) .....	.....do	E	2	NA	NA
Stork, oriental white	<i>Ciconia ciconia boyciana</i> .	China, Japan, Korea, Russia.	.....do	E	3	NA	NA
Stork, wood	<i>Mycteria americana</i> ...	U.S.A., (CA, AZ, TX, to Carolinas), Mexico, C. and S. America.	.....do	E	142	NA	NA
Sunbird, Marungu	<i>Nectarinia prigoginei</i>	Zaire	Entire	E	571	NA	NA

Swiftlet, Mariana gray (=vanikoro).	<i>Aerodramus vanikorensis barttschi.</i>	Western Pacific Ocean—U.S.A. (Guam, Rota, Tinian, Saipan, Agiguan). New Zealand (Campbell Island). Mexico, U.S.A. (CA) ..	.....do ..........do ..........do	E	156	NA
Teal, Campbell Island flightless.	<i>Anas aucklandica nesiotis.</i>	U.S.A. (AR, CO, IA, IL, IN, KS, KY, LA—Miss. R. and trib. N of Baton Rouge, MS—Miss. R., MO, MT, ND, NE, NM, OK, SD, TN, TX—except within 50 miles of coast).	.....do	E	15	NA
Tern, California least ..	<i>Sterna antillarum</i> (=abifrons) browni.	U.S.A. (Atlantic and Gulf coasts, Miss. R. Basin, CA), Greater and Lesser Antilles, Bahamas, Mexico; winters Central America, northern South America.	.....do	E	2, 3	NA
Tern, least ..	<i>Sterna antillarum</i> ..	Tropical and temperate coasts of Atlantic Basin and East Africa.	.....do	E	182	NA
139	Tern, roseate	<i>Sterna dougallii dougallii.</i>	.....do	E	296	NA
	Do .....	.....do .....	.....do	T	296	NA
Thrasher, white-breast-ed.	<i>Ramphocinclus brachyurus.</i>	West Indies—St. Lucia, Martinique.	.....do	E	3	NA
Thrush, large Kauai ...	<i>Myadestes</i> (=Phaeornis) <i>myadestinus.</i>	U.S.A. (HI) .....	.....do	E	2	NA
Thrush, Molokai (=oloma'o).	<i>Myadestes</i> (=Phaeornis) <i>laniensis</i> (=obscurus) <i>rufina.</i>	.....do .....	.....do	E	2	NA

Common name	Species Scientific name	Historic range	Vertebrate population where endangered or threatened	Status	When listed	Critical habitat	Special rules
Thrush, New Zealand (wattlebird).	<i>Turnagra capensis</i>	New Zealand .....	.....do	E	3	NA	NA
Thrush, small Kauai (=puaoahi).	<i>Myadestes</i> (= <i>Phaeornis</i>) <i>palmeri</i> .	U.S.A. (HI) .....	.....do	E	1	NA	NA
Thrush, Taita	<i>Turdus olivaceous</i> <i>helleri</i> .	Kenya .....	.....do	E	571	NA	NA
Tinamou, solitary	<i>Tinamus solitarius</i>	Brazil, Paraguay, Ar- gentina. U.S.A. (CA) .....	.....do	E	15	NA	NA
Towhee, Inyo Califor- nia (=brown).	<i>Pipilo crissalis</i> (= <i>fuscus</i>). <i>eremophilus</i> .	West Indies—Mar- tinique. Cameroon .....	.....do	T	282	17.95(b)	NA
Trembler, Martinique (thrasher).	<i>Cinclocerthia</i> <i>ruficauda gutturalis</i>.	.....do .....	.....do	E	3	NA	NA
Turaco, Bannerman's Turtle-dove, Seychelles.	<i>Tauraco bannermani</i> . <i>Streptopelia picturata</i> <i>rostrata</i> .	Indian Ocean— Seychelles.	.....do	E	571	NA	NA
Vanga, Pollen's	<i>Xenopirostris polleni</i> ..	Madagascar .....	.....do	T	571	NA	NA
Vanga, Van Dam's	<i>Xenopirostris damii</i> ..	.....do .....	.....do	E	571	NA	NA
Vireo, black-capped	<i>Vireo atricapillus</i> ..	U.S.A. (KS, LA, NE, OK, TX), Mexico..	.....do	E	294	NA	NA
Vireo, least Bell's	<i>Vireo bellii pusillus</i>	U.S.A. (CA), Mexico ..	.....do	E	228	17.95(b)	NA
Wanderer, plain (col- lared-hemipode), Waibler (Old World), Aldabra.	<i>Pedionomus</i> <i>torgatus</i> . <i>Nesillas aldabranus</i> ..	Australia .....	.....do	E	6	NA	NA
Waibler (wood), Bachman's.	<i>Vermivora bachmani</i>	Indian Ocean— Seychelles (Aldabra Island), U.S.A. (Southeast- ern), Cuba.	.....do	E	571	NA	NA
Waibler (wood), Bar- bados yellow.	<i>Dendroica petechia</i>	West Indies—Bar- bados.	.....do	E	1, 3	NA	NA
Waibler (wood), gold- en-cheeked.	<i>Dendroica</i> <i>chrysoparia</i> .	U.S.A. (TX), Mexico, Guatemala, Hon- duras, Nicaragua, Belize.	.....do	E	3	NA	NA
					387E, 411	NA	NA

Warbler (wood), Kirtland's.	<i>Dendroica kirtlandii</i> ...	U.S.A. (principally MI), Canada, West Indies—Bahama Islands.	.....do	E	1, 3	NA	NA
Warbler (Old World), nightingale reed.	<i>Acrocephalus luscina</i>	West Pacific Ocean—U.S.A. (Guam, Alamagan, Saipan). Mauritius (Rodrigues Islands).	U.S.A. (Mariana Islands), Entire	E	3, 4	NA	NA
Warbler (Old World), Rodrigues.	<i>Bebrornis rodericanus</i>	West Indies—St. Lucia.	.....do	E	3	NA	NA
Warbler (wood), Semper's.	<i>Leucophaea semperi</i> ..	Indian Ocean—Seychelles Island.	.....do	E	3	NA	NA
Warbler (Old World), Seychelles.	<i>Bebrornis sechellensis</i> .	Cameroun .....	.....do	E	3	NA	NA
Wattle-eye, banded ...	<i>Platysteira latifrons</i> ..	Kenya .....	.....do	E	571	NA	NA
Weaver, Clarke's	<i>Ploceus golandi</i>	Australia .....	.....do	E	571	NA	NA
Whipbird, western	<i>Psophodes nigrogularis</i> .	Western Pacific Ocean—U.S.A. (Guam).	.....do	E	3	NA	NA
White-eye, bridled	<i>Zosterops conspicillatus</i>	Indian Ocean—Norfolk Islands.	.....do	E	156	NA	NA
White-eye, Norfolk Is- land.	<i>Zosterops albogularis</i>	West Pacific Ocean—Federated States of Micronesia.	.....do	E	15	NA	NA
White-eye, Ponape greater.	<i>Rukia longirostra</i> (=sanfordi).	Indian Ocean—Seychelles.	.....do	E	3	NA	NA
White-eye, Seychelles	<i>Zosterops modesta</i> ...	Mexico .....	.....do	E	3	NA	NA
Woodpecker, imperial	<i>Campetherus imperialis</i> .	U.S.A. (southcentral and southeastern), Cuba.	.....do	E	3	NA	NA
Woodpecker, ivory-billed.	<i>Campetherus principalis</i> .	U.S.A. (southcentral and southeastern).	.....do	E	1, 3	NA	NA
Woodpecker, red-cockaded.	<i>Picoides</i> (=Dendrocopos) <i>borealis</i> .	Korea .....	.....do	E	2	NA	NA
Woodpecker, Tristam's	<i>Dryocopus javensis richardsi</i> .	West Indies—Guadalupe.	.....do	E	3	NA	NA
Wren, Guadeloupe house.	<i>Troglodytes aedon guadeloupensis</i>.		.....do	E	3	NA	NA

Common name	Species Scientific name	Historic range	Vertebrate population where endangered or threatened	Status	When listed	Critical habitat	Special rules
Wren, St. Lucia house REPTILES	<i>Troglodytes aedon mesoleucus.</i>	West Indies—St. Lucia.	.....do	E	3	NA	NA
Alligator, American	<i>Alligator mississippiensis.</i>	Southeastern U.S.A.	.....do	T(S/A)	1, 11, 20, 47, 51, 60, 113, 134, 186, 269	NA	17.42(a)
Alligator, Chinese Anole, Culebra Island giant.	<i>Alligator sinensis</i> <i>Anolis roseovittata</i>	China U.S.A. (PR—Culebra Island),	.....do	E	15 25	NA	NA
Boa, Jamaican Boa, Mona	<i>Epicrates subflavus</i> ... <i>Epicrates monensis</i> ... <i>Epicrates morenensis.</i>	Jamaica U.S.A. (PR) .....	.....do	E	3	NA	NA
Boa, Puerto Rican Boa, Round Island [no common name].	<i>Epicrates inornatus</i> ... <i>Bolyeria multicarinata</i>	.....do .....	.....do	T	33	17.95(c)	NA
Do	<i>Casarea dussumieri</i> .. <i>Epicrates monensis</i> ... <i>granti.</i>	Indian Ocean—Mauri- tius.	.....do	E	2	NA	NA
Boa, Virgin Islands tree.	<i>Caiman crocodilus</i> ... <i>apaporiensis.</i>	.....do .....	.....do	E	88	NA	NA
Caiman, Apaporis River.	<i>Melanosuchus niger</i> .. <i>Caiman latirostris</i>	Amazon basin .....	.....do	E	88 2, 86	NA	NA
Caiman, black Caiman, broad-snout- ed.	<i>Caiman crocodilus</i> ... <i>yacare.</i>	Brazil, Argentina, Paraguay, Uruguay.	.....do	E	15	NA	NA
Caiman, Yacare	<i>Sauromalus varius</i> ...	Bolivia, Argentina, Peru, Brazil.	.....do	E	15	NA	NA
Chuckwalla, San Esteban Island.	<i>Osteolaemus</i>	Mexico .....	.....do	E	3	NA	NA
Crocodile, African dwarf.	<i>tetraspis tetraspis.</i>	West Africa .....	.....do	E	88	NA	NA
Crocodile, African slender-snouted.	<i>Crocodylus</i> ... <i>cataaphractus.</i>	Western and central Africa.	.....do	E	15 5	NA	NA

Crocodile, American ...	<i>Crocodylus acutus</i> ...	U.S.A. (FL), Mexico, Caribbean, Central and South America. Sri Lanka .....	.....do	E	10, 87	17.95(c)	NA
Crocodile, Ceylon mugger.	<i>Crocodylus palustris kimbula.</i>	Congo R. drainage ...	.....do	E	15	NA	NA
Crocodile, Congo dwarf.	<i>Osteolaemus tetraspis osborni.</i>	Cuba .....	.....do	E	15	NA	NA
Crocodile, Cuban	<i>Crocodylus rhombifer</i>	Mexico, Belize, Guatemala.	.....do	E	3	NA	NA
Crocodile, Morelet's ...	<i>Crocodylus moreletii</i>	India, Pakistan, Iran, Bangladesh.	.....do	E	3	NA	NA
Crocodile, mugger	<i>Crocodylus palustris palustris.</i>	Africa, Middle East ...	.....do	T	3, 279, 334, 514, 585	NA	17.42(c)
Crocodile, Nile	<i>Crocodylus niloticus</i> ..	South America—Orinoco R. basin. Philippine Islands .....	.....do	E	3	NA	NA
Crocodile, Orinoco	<i>Crocodylus intermedius</i>	.....do	E	15	NA	NA	NA
Crocodile, Philippine ...	<i>Crocodylus novaeguineae mindorensis.</i>	Southeast Asia, Australia, Papua New Guinea, Islands of the West Pacific Ocean.	.....do	E	87, 585	NA	NA
Crocodile, saltwater (=estuarine).	<i>Crocodylus porosus</i> ..	Entire, except Papua New Guinea and Australia.	.....do	Australia	87, 585	NA	NA
Do .....	.....do	Southeast Asia, Malay Peninsula.	.....do	Entire	15	NA	17.42(c)
Crocodile, Siamese ...	<i>Crocodylus siamensis</i>	Pakistan, Burma, Bangladesh, India, Nepal.	.....do	E	3	NA	NA
Gavial (=gharial)	<i>Gavialis gangeticus</i> ...	Indian Ocean—Mauritius.	.....do	E	3	NA	NA
Gecko, day	<i>Phelsuma edwardnewtoni.</i>	U.S.A. (PR) .....	.....do	E	125	17.95(c)	NA
Gecko, Monito	<i>Sphaerodactylus micropithecus.</i>	Indian Ocean—Mauritius.	.....do	E	3	NA	NA
Gecko, Round Island day.	<i>Phelsuma guentheri</i> ..						

Common name	Species Scientific name	Historic range	Vertebrate population where endangered or threatened	Status	When listed	Critical habitat	Special rules
Gecko, Serpent Island	<i>Cyrtodactylus serpensinsula.</i>	.....do .....	.....do	T	129	NA	NA
Iguana, Acklins ground	<i>Cyclura rileyi nuchalis</i>	West Indies—Bahamas.	.....do	T	129	NA	NA
Iguana, Allen's Cay	<i>Cyclura cyclura inornata.</i>	.....do .....	.....do	T	129	NA	NA
Iguana, Andros Island ground.	<i>Cyclura cyclura cyclura.</i>	.....do .....	.....do	T	129	NA	NA
Iguana, Aneгада ground.	<i>Cyclura pinguis</i> .....	.....do .....	.....do	E	3	NA	NA
Iguana, Barrington land.	<i>Conolophus pallidus</i>	West Indies—British Virgin Islands (Aregada Island).	.....do	E	3	NA	NA
Iguana, Cayman Brac ground.	<i>Cyclura nubila caymanensis.</i>	Ecuador (Galapagos Islands).	.....do	T	129	NA	NA
Iguana, Cuban ground	<i>Cyclura nubila nubila</i>	West Indies—Cayman Islands.	.....do	T	129	NA	NA
Iguana, Exuma Island	<i>Cyclura cyclura figginsi.</i>	Cuba	Entire (excluding population introduced in Puerto Rico), Entite	T	129	NA	NA
Iguana, Fiji banded	<i>Brachylophus fasciatus.</i>	West Indies—Fiji, Tonga ...	.....do	E	88	NA	NA
Iguana, Fiji crested	<i>Brachylophus vitiensis</i>	Pacific—Fiji .....	.....do	E	88	NA	NA
Iguana, Grand Cayman ground.	<i>Cyclura nubila lewisi</i>	West Indies—Cayman Islands.	.....do	E	129	NA	NA
Iguana, Jamaican	<i>Cyclura collei</i>	West Indies—Jamaica.	.....do	E	129	NA	NA
Iguana, Mayaguana	<i>Cyclura carinata bartletti.</i>	West Indies—Bahamas.	.....do	T	129	NA	NA
Iguana, Mona ground	<i>Cyclura stejnegeri</i>	U.S.A. (PR—Mona Island), West Indies—Turks and Caicos Islands.	.....do	T	33	NA	NA
Iguana, Turks and Caicos.	<i>Cyclura carinata carinata.</i>	West Indies—Bahamas.	.....do	T	129	NA	NA
Iguana, Watling Island ground.	<i>Cyclura rileyi rileyi</i> ....	.....do .....	.....do	E	129	NA	NA

Iguana, White Cay ground.	<i>Cyclura rileyi cristata</i>	.....do .....	.....do .....	.....do	T	129	NA
Lizard, blunt-nosed leopard.	<i>Gambelia</i> (= <i>Crötaphytus</i>) <i>silus.</i>	U.S.A. (CA) .....	.....do .....	.....do	E	1	NA
Lizard, Coachella Valley fringe-toed.	<i>Uma inornata</i> .....	.....do .....	.....do .....	.....do	T	105	17.95(c)
Lizard, Hierro giant	<i>Gallotia simonyi</i> ^{simonyi.} <i>Podarcis pityusensis</i>	Spain (Canary Is- lands). Spain (Balearic Is- lands).	.....do .....	.....do	E	144	NA
Lizard, Ibiza wall	<i>Xantusia</i> (= <i>Klauberina</i>) <i>riversiana.</i>	U.S.A. (CA) .....	.....do .....	.....do	T	144	NA
Lizard, Island night	<i>Cnemidophorus</i> ^{vanzoi.}	West Indies—St. Lucia (Maria Is- lands).	.....do .....	.....do	E	26	NA
Lizard, Maria Island ground.	<i>Ameiva polops</i>	U.S.A. (VI) .....	.....do .....	.....do	E	443	NA
Lizard, St. Croix ground.	<i>Varanus bengalensis</i>	Iran, Iraq, India, Sri Lanka, Malaysia, Afghanistan, Burma, Vietnam, Thailand.	.....do .....	.....do	E	24	17.95(c)
Monitor, Bengal	<i>Varanus griseus</i>	North Africa to Aral Sea, through Cen- tral Asia to Paki- stan, Northwest India.	.....do .....	.....do	E	15	NA
Monitor, desert	<i>Varanus komodoensis</i>	Indonesia (Komodo, Rintja, Padar, and Western Flores Is- land).	.....do .....	.....do	E	15	NA
Monitor, Komodo Is- land.	<i>Varanus flavescens</i> ..	West Pakistan through India to Bangladesh.	.....do .....	.....do	E	15	NA
Monitor, yellow	<i>Python molurus</i> ^{molurus.}	Sri Lanka and India ..	.....do .....	.....do	E	15	NA

Common name	Species Scientific name	Historic range	Vertebrate population where endangered or threatened	Status	When listed	Critical habitat	Special rules
Rattlesnake, Aruba Island.	<i>Crotalus unicolor</i>	Aruba Island (Netherland Antilles). U.S.A. (AZ, NM), Mexico. U.S.A. (FL) ....	.....do	T	129	NA	NA
Rattlesnake, New Mexican ridge-nosed.	<i>Crotalus willardi obscurus</i> .	U.S.A. (AZ, NM), Mexico. U.S.A. (FL) ....	.....do	T	43	17.95(c)	NA
Skink, blue-tail (=blue-tailed) mole.	<i>Eumeces eugratus lividus</i> .	U.S.A. (FL) ....	.....do	T	299	NA	17.42(d)
Skink, Round Island ...	<i>Leiolopisma telfairii</i>	Indian Ocean—Mauritius. U.S.A. (FL) ....	.....do	T	129	NA	NA
Skink, sand	<i>Neoseps reynoldsi</i>	U.S.A. (FL) ....	.....do	T	299	NA	17.42(d)
Snake, Atlantic salt marsh.	<i>Nerodia clarkii</i> (=fasciata) <i>taeniata</i>.	.....do .....	.....do	T	30	NA	NA
Snake, Concho water	<i>Nerodia paucimaculata</i> (=harteri p.).	U.S.A. (TX) ....	.....do	T	241	17.95(c)	NA
Snake, copperbelly water.	<i>Nerodia erythrogaster neglecta</i> .	U.S.A. (IL, IN, KY, MI, OH). U.S.A. (AL, FL, GA, MS, SC).	IN north of 40° N. Lat., MI, OH. Entire	T	607	NA	NA
Snake, eastern indigo	<i>Drymarchon corais couperi</i> .	U.S.A. (CA) ....	.....do	T	32	NA	NA
Snake, giant garter	<i>Thamnophis gigas</i>	West Indies—St. Lucia (Maria Islands).	.....do	T	522	NA	NA
Snake, Maria Island ...	<i>Liopholis ornatus</i>	U.S.A. (CA) ....	.....do	E	443	NA	NA
Snake, San Francisco garter.	<i>Thamnophis sirtalis tetraenia</i> .	South America—Orinoco R. and Amazon R. basins.	.....do	E	1	NA	NA
Tartaruga	<i>Podonemis expansa</i>	Malaysia, Bangladesh, Burma, India, Indonesia.	.....do	E	3	NA	NA
Terrapin, river (=tuntong).	<i>Batagur baska</i>	Malaysia, Indonesia .. Malagasy Republic (=Madagascar).	.....do	E	15	NA	NA
Tomistoma	<i>Tomistoma schlegelii</i>	.....do .....	.....do	E	15	NA	NA
Tortoise, angulated	<i>Geochelone ymiphora</i>	.....do .....	.....do	E	15	NA	NA

Tortoise, Bolson	<i>Gopherus flavomarginatus.</i>	Mexico .....	.....do	NA	NA
Tortoise, desert	<i>Gopherus (=Xerobates, =Scapiochelys) agassizii.</i>	U.S.A. (AZ, CA, NV, UT), Mexico.	Entire, except AZ south and east of Colorado R., and Mexico.	T	17.95(c)
Do	<i>Gopherus agassizii</i> ...	.....do	AZ south and east of Colorado R., and Mexico, when found outside of Mexico or said range in AZ.	T(S/A)	357E, 378
Tortoise, Galapagos ...	<i>Geochelone elephantopus.</i>	Ecuador (Galapagos Islands).	Entire	E	46
Tortoise, gopher	<i>Gopherus polyphemus.</i>	U.S.A. (AL, FL, GA, LA, MS, SC).	Wherever found west of Mobile and Tombigbee Rivers in AL, MS, and LA.	T	103, 357E, 378
Tortoise, radiated	<i>Geochelone (=Testudo) radiata.</i>	Madagascar	Entire	E	NA
Tracaja	<i>Podocnemis unifilis</i> ...	South America—Ori-	.....do	E	NA
Tuatara	<i>Sphenodon punctatus</i>	noco R. and Ama-	.....do	E	NA
Tuatara, Brother's Is-	<i>Sphenodon guntheri</i>	zon R. basins.	.....do	E	NA
land.		New Zealand .....	.....do	E	NA
Turtle, Alabama redbelly (=red-bellied).	<i>Pseudemys alabamensis.</i>	New Zealand (N Brother's Island).	.....do	E	NA
Turtle, aquatic box	<i>Terrapene coahuila</i> ...	U.S.A. (AL)	.....do	E	NA
Turtle, black softshell ..	<i>Trionyx nigricans</i>	Mexico .....	.....do	E	NA
Turtle, bog (=Muhlenberg).	<i>Clemmys mühlenbergii.</i>	Bangladesh .....	.....do	E	NA
Do .....	.....do	U.S.A. (CT, DE, GA, MD, NC, NJ, NY, PA, SC, TN, VA).	Entire, except GA, NC, SC, TN, VA.	T	15
Turtle, Brazilian (=Hoge's) sideneck.	<i>Phrynops hogei</i> .....	.....do	U.S.A. (GA, NC, SC, TN, VA).	T(S/A)	626
		Brazil	Entire	E	443

Common name	Species Scientific name	Historic range	Vertebrate population where endangered or threatened	Status	When listed	Critical habitat	Special rules
Turtle, Burmese peacock.	<i>Morenia ocellata</i>	Burma .....	.....do	E	15	NA	NA
Turtle, Cat Island	<i>Trachemys terrapen</i>	West Indies—Jamaica, Bahamas, Mexico, Belize, Guatemala, Mexico	Cat Island in the Bahamas. Entire	E	443	NA	NA
Turtle, Central American river.	<i>Dermatemys mawii</i> .....	.....do .....	.....	E	129	NA	NA
Turtle, Cuatro Cienegas softshell.	<i>Trionyx atter</i> .....	.....do .....	.....	E	15	NA	NA
Turtle, flattened musk	<i>Sternotherus depressus</i> .	U.S.A. (AL)	Black Warrior R. system upstream from Bankhead Dam. Entire	T	272	NA	NA
Turtle, geometric	<i>Psammobates</i> (=Geochelone) <i>geometricus</i> .	South Africa	Breeding colony populations in FL and on Pacific coast of Mexico.	E	15	NA	NA
Turtle, green sea	<i>Chelonia mydas</i> (incl. agassizii).	Circumglobal in tropical and temperate seas and oceans.	.....	E	42	NA	222.41
Do	<i>Chelonia mydas</i> .....	.....do	Wherever found except where listed as endangered.	T	42	226.72	17.42(b), 227.71, 227.72 222.41
Turtle, hawksbill sea (=carey).	<i>Eretmochelys imbricata</i> .	Tropical seas	Entire	E	3	17.95(c), 226.73	NA
Turtle, Inagua Island	<i>Trachemys stejnegeri malonei</i> .	West Indies—Bahamas (Great Inagua Island).	.....do	E	443	NA	NA
Turtle, Indian sawback	<i>Kachuga tecta tecta</i>	India .....	.....	E	15	NA	NA
Turtle, Indian softshell	<i>Trionyx gangeticus</i>	Pakistan, India .....	.....	E	15	NA	NA
Turtle, Kemp's (=Atlantic) ridley sea.	<i>Lepidochelys kempii</i>	Tropical and temperate seas in Atlantic Basin, incl. Gulf of Mexico.	.....do	E	4	NA	222.41
Turtle, leatherback sea	<i>Dermochelys coriacea</i>	Tropical, temperate, and subpolar seas.	.....do	E	3	17.95(c) 226.71	222.41

Common name	Species Scientific name	Historic range	Vertebrate population where endangered or threatened	Status	When listed	Critical habitat	Special rules
Frog , California red-legged.	<i>Rana aurora draytonii</i>	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. Entire	T	583	NA	NA
Frog, Goliath	<i>Conraua goliath</i>	Cameroun, Equatorial Guinea, Gabon, Israel	do	E	566	NA	NA
Frog, Israel painted	<i>Discoglossus nigriventer.</i> <i>Atelopus varius zeteki</i>	Panama	do	E	3	NA	NA
Frog, Panamanian golden.	<i>Leiopelma hamiltoni</i> .. <i>Eleutherodactylus cooki.</i>	New Zealand	do	E	15	NA	NA
Frog, Stephen Island .. Guajón	<i>Eurycea sosorum</i>	U.S.A. (PR)	do	E	3	NA	NA
Salamander, Barton Springs.	<i>Plethodon nettingi</i>	U.S.A. (TX)	do	T	617	NA	NA
Salamander, Cheat Mountain.	<i>Andrias davidianus</i> .	U.S.A. (WV)	do	E	612	NA	NA
Salamander, Chinese giant.	<i>Batrachoseps aridus</i>	Western China	do	T	358	NA	NA
Salamander, desert slender.	<i>Andrias davidianus</i> japonicus.	U.S.A. (CA)	do	E	15	NA	NA
Salamander, Japanese giant.		Japan	do	E	6	NA	NA

Salamander, Red Hills	<i>Phaeognathus hubrichti.</i>	U.S.A. (AL) .....	.....do	T	19	NA	NA
Salamander, San Marcos.	<i>Eurycea nana</i>	U.S.A. (TX) .....	.....do	T	98	17.95(d)	17.43(a)
Salamander, Santa Cruz long-toed.	<i>Ambystoma macrodactylum croceum.</i>	U.S.A. (CA) .....	.....do	E	1	NA	NA
Salamander, Shenandoah.	<i>Plethodon shenandoah.</i>	U.S.A. (VA) .....	.....do	E	358	NA	NA
Salamander, Sonoran tiger.	<i>Ambystoma tigrinum stebbinsi.</i>	U.S.A. (AZ), Mexico ..	.....do	E	600	NA	NA
Salamander, Texas blind.	<i>Typhlonotogloss Rathbuni</i>	U.S.A. (TX) .....	.....do	E	1	NA	NA
Toad, arroyo (=arroyo southwestern).	<i>Bufo microscaphus californicus.</i>	U.S.A. (CA), Mexico.	.....do	E	568	NA	NA
Toad, Cameroon	<i>Bufo superciliaris</i>	Equatorial Africa .....	.....do	E	15	NA	NA
Toad, Houston	<i>Bufo houstonensis</i>	U.S.A. (TX) .....	.....do	E	2	17.95(d)	NA
Toad, Monte Verde	<i>Bufo periglenes</i>	Costa Rica .....	.....do	E	15	NA	NA
Toad, Puerto Rican crested.	<i>Peltophryne lemur</i>	U.S.A. (PR), British Virgin Islands.	.....do	T	283	NA	NA
Toad, Wyoming	<i>Bufo hemiophryns baxteri.</i>	U.S.A. (WY) .....	.....do	E	138	NA	NA
Toads, African viviparous.	<i>Nectophrynoides</i> spp.	Tanzania, Guinea, Ivory Coast, Cameroon, Liberia, Ethiopia.	.....do	E	15	NA	NA
FISHES							
Ala Balik (trout)	<i>Salmo platycephalus</i>	Turkey .....	.....do	E	3	NA	NA
Ayumodoki (loach)	<i>Hymenophrysa (=Botia) curta.</i>	Japan .....	.....do	E	3	NA	NA
Blindcat, Mexican (catfish).	<i>Priacanthus phreatophila</i>	Mexico .....	.....do	E	3	NA	NA
Bonytongue, Asian	<i>Scleropages formosus.</i>	Thailand, Indonesia, Malaysia.	.....do	E	15	NA	NA
Catfish [no common name].	<i>Pangasius sanitwongsei.</i>	Thailand .....	.....do	E	3	NA	NA
Catfish, giant	<i>Pangasianodon gigas</i>	.....do .....	.....do	E	3	NA	NA
Catfish, Yaqui	<i>Ictalurus pricei</i>	U.S.A. (AZ), Mexico ..	.....do	T	157	17.95(e)	17.43(g)

Common name	Species Scientific name	Historic range	Vertebrate population where endangered or threatened	Status	When listed	Critical habitat	Special rules
Cavefish, Alabama	<i>Speoplatyrrhinus pousoni.</i>	U.S.A. (AL) .....	.....do	E	28, 328	17.95(e)	NA
Cavefish, Ozark	<i>Amblyopsis rosae</i>	U.S.A. (AR, MO, OK) .....	.....do	T	164	NA	NA
Chub, bonytail	<i>Gila elegans</i>	U.S.A. (AZ, CA, CO, NV, UT, WY) .....	.....do	E	92	17.95(e)	NA
Chub, Borax Lake	<i>Gila boraxobius</i>	U.S.A. (OR) .....	.....do	E	94E, 124	17.95(e)	NA
Chub, Chihuahua	<i>Gila nigrescens</i>	U.S.A. (NM), Mexico (Chihuahua).	.....do	T	132	NA	17.44(g)
Chub, humpback	<i>Gila cyprina</i>	U.S.A. (AZ, CO, UT, WY) .....	.....do	E	1	17.95(e)	NA
Chub, Hutton tui	<i>Gila bicolor</i> ssp.	U.S.A. (OR) .....	.....do	T	174	NA	17.44(i)
Chub, Mohave tui	<i>Gila bicolor mohavensis.</i>	U.S.A. (CA) .....	.....do	E	2	NA	NA
Chub, Oregon	<i>Oregonichthys (=Hybopsis) crameri.</i>	U.S.A. (OR) .....	.....do	E	520	NA	NA
Chub, Owens tui	<i>Gila bicolor snyderi</i>	U.S.A. (CA) .....	.....do	E	195	17.95(e)	NA
Chub, Pahranagat roundtail (=bonytail).	<i>Gila robusta jordani</i>	U.S.A. (NV) .....	.....do	E	2	NA	NA
Chub, slender	<i>Erimystax (=Hybopsis) californiensis</i>	U.S.A. (TN, VA) .....	.....do	T	28	17.95(e)	17.44(c)
Chub, Sonora	<i>Gila dittaenia</i>	U.S.A. (AZ), Mexico ..	.....do	T	227	17.95(e)	17.44(o)
Chub, spotfin (=turquoise shiner).	<i>Cyprinella (=Hybopsis) moracha.</i>	U.S.A. (AL, GA, NC, TN, VA). U.S.A. (AZ, NV, UT)	.....do	T	28	17.95(e)	17.44(c)
Chub, Virgin River	<i>Gila robusta seminudata.</i>	.....do .....	.....do	E	361	NA	NA
Chub, Yaqui	<i>Gila purpurea</i>	U.S.A. (AZ), Mexico ..	.....do	E	157	17.95(e)	NA
Cicek (minnow)	<i>Acanthorutulus handlirschi.</i>	Turkey .....	.....do	E	3	NA	NA
Cui-ui	<i>Chasmistes cuius</i>	U.S.A. (NV) .....	.....do	E	1	NA	NA
Dace, Ash Meadows speckled.	<i>Rhinichthys osculus nevadensis.</i>	.....do .....	.....do	E	117E, 127E, 130	17.95(e)	NA

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

Common name	Species Scientific name	Historic range	Vertebrate population where endangered or threatened	Status	When listed	Critical habitat	Special rules
Gambusia, Clear Creek.	<i>Gambusia heterochir</i>	.....do .....	.....do	E	1	NA	NA
Gambusia, Pecos	<i>Gambusia nobilis</i>	U.S.A. (NM, TX)	.....do	E	2	NA	NA
Gambusia, San Marcos.	<i>Gambusia georgii</i>	U.S.A. (TX)	.....do	E	98	17.95(e)	NA
Goby, tidewater	<i>Eucyclogobius newberryi</i> .	U.S.A. (CA) .....	.....do	E	527	NA	NA
Logperch, Conasauga Logperch, Roanoke	<i>Percina jenkinsi</i>	U.S.A. (GA, TN)	.....do	E	196	17.95(e)	NA
Madtom, Neosho	<i>Percina rex</i>	U.S.A. (VA)	.....do	E	359	NA	NA
Madtom, pygmy	<i>Noturus placidus</i>	U.S.A. (KS, MO, OK)	.....do	T	388	NA	NA
Madtom, Scioto	<i>Noturus stansauli</i>	U.S.A. (TN)	.....do	E	502	NA	NA
Madtom, smoky	<i>Noturus trautmani</i>	U.S.A. (OH)	.....do	E	10	NA	NA
Madtom, yellowfin	<i>Noturus baileyi</i>	U.S.A. (TN)	.....do	E	163	17.95(e)	17.44(c)
	<i>Noturus flavipinnis</i> ...	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	<i>Rhinichthys</i> (= <i>Tiaroga</i>) <i>cobitis</i> .	U.S.A. (AZ, NM), Mexico.	Entire	T	247	NA	17.44(q)
Minnow, Rio Grande silvery.	<i>Hybognathus amarus</i>	U.S.A. (NM, TX), Mexico.	.....do	E	543	NA	NA
Nekogig (catfish)	<i>Coreobagrus ichikawai</i> .	Japan .....	.....do	E	3	NA	NA

Poofish (=killifish), Pahrump.	<i>Emperichthys latos</i> ..	U.S.A. (NV) .....	.....do .....	.....do	E | 1	NA
Pupfish, Ash Meadows Amargosa.	<i>Cyprinodon nevadensis</i> <i>mioneectes</i>.	.....do .....	.....do .....	.....do	E | 117E, 127E, 130	17.95(e)
Pupfish, Comanche Springs.	<i>Cyprinodon elegans</i> ..	U.S.A. (TX) .....	.....do .....	.....do	E | 1	NA
Pupfish, desert	<i>Cyprinodon macularius</i> .	U.S.A. (AZ, CA) Mex- ico.	.....do .....	.....do	E | 222	17.95(e)
Pupfish, Devils Hole ...	<i>Cyprinodon diabolis</i> ..	U.S.A. (NV) .....	.....do .....	.....do	E | 1	NA
Pupfish, Leon Springs	<i>Cyprinodon bovinus</i> ..	U.S.A. (TX) .....	.....do .....	.....do	E | 102	17.95(e)
Pupfish, Owens	<i>Cyprinodon radiosus</i>	U.S.A. (CA) .....	.....do .....	.....do	E | 1	NA
Pupfish, Warm Springs	<i>Cyprinodon nevadensis</i> <i>pectoralis</i> .	U.S.A. (NV) .....	.....do .....	.....do	E | 2	NA
Salmon, chinook	<i>Oncorhynchus</i> <i>(=Salmo)</i> <i>tsawytscha</i> .	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
Do .....	.....do .....	.....do	Snake R. (U.S.A.— ID, OR, WA) mainstem and the following sub- basins—Tucannon R., Grande Ronde R., Imnaha R., and Salmon R.; spring/ summer run, natu- ral population(s), wherever found.	T	516, 557E	226.22

Common name	Species Scientific name	Historic range	Vertebrate population where endangered or threatened	Status	When listed	Critical habitat	Special rules
Do .....	.....do .....	.....do	Snake R. (U.S.A.—ID, OR, WA) mainstem and the following sub-basins—Tucannon R., Grande Ronde R., Imnaha R., Salmon R. and Clearwater R.; fall run, natural populations(s), wherever found.	T	516, 557E	226.22	NA
Salmon, coho	<i>Oncorhynchus</i> (= <i>Salmo</i>) <i>kisutch</i> .	North Pacific Basin from U.S.A. (CA to AK) to Russia and Japan.	U.S.A. (CA), naturally spawning pops. in streams between Punta Gorda, Humboldt Co., CA and the San Lorenzo River, Santa Cruz Co., CA.	T	598	NA	NA
Do .....	.....do .....	.....do	U.S.A. (natural populations in river basins between Cape Blanco in Curry County, OR and Punta Gorda in Humboldt Co., CA).	T	618	NA	NA
Salmon, sockeye (=red, =blueback).	<i>Oncorhynchus</i> (= <i>Salmo</i>) <i>nerka</i> .	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	<i>Cottus pygmaeus</i>	U.S.A. (AL)	Entire	T	365	NA	17.44(u)
Shiner, beautiful	<i>Cyprinella</i> (= <i>Notropis</i>) <i>formosa</i> .	U.S.A. (AZ, NM), Mexico.	.....do	T	157	17.95(e)	17.44(h)

Common name	Species Scientific name	Historic range	Vertebrate population where endangered or threatened	Status	When listed	Critical habitat	Special rules
Steelhead	<i>Oncorhynchus</i> (= <i>Salmo</i>) <i>mykiss</i> .	North Pacific Ocean from the Kamchatka Peninsula in Asia to the northern Baja Peninsula.	All naturally spawned populations (and their progeny) in rivers from the Santa Maria R., San Luis Obispo County, CA (inclusive) to Malibu Cr., Los Angeles County, CA (inclusive).	E	638	NA	NA
Do .....	.....do .....	.....do	All naturally spawned populations (and their progeny) in the Upper Columbia R. Basin upstream from the Yakima R., WA, to the U.S./Canada border, and also including the Wells Hatchery stock.	E	638	NA	NA

	NA			
638	NA			
T				
All naturally spawned populations (and their progeny) in streams from the Russian R. to Aptos Cr., Santa Cruz County, CA (inclusive), and the drainages of San Francisco and San Pablo Bays eastward to the Napa R.(inclusive), Napa County, CA, excluding the Sacramento-San Joaquin R. Basin of the Central Valley of CA.		T		
do		do		

Common name	Species Scientific name	Historic range	Vertebrate population where endangered or threatened	Status	When listed	Critical habitat	Special rules
Do .....	.....do .....	.....do	All naturally spawned populations (and their progeny) in streams and tributaries to the Columbia R. between the Cowlitz and Wind Rivers, WA, inclusive, and the Willamette and Hood Rivers, OR, inclusive, excluding the Upper Willamette River Basin above Willamette Falls and excluding the Little and Big White Salmon Rivers in WA.	T	638	NA	NA
Do .....	.....do .....	.....do	All naturally spawned populations (and their progeny) in the Sacramento and San Joaquin Rivers and their tributaries, excluding San Francisco and San Pablo Bays and their tributaries. Entire	T	638	NA	NA
Stickleback, unarmored threespine.	<i>Gasterosteus aculeatus williamsoni.</i>	U.S.A. (CA)	E	2	NA	NA	

Sturgeon, Gulf	<i>Acipenser oxyrinchus desotoi.</i>	U.S.A. (AL, FL, GA, LA, MS). U.S.A. (AR, IA, IL, KS, KY, LA, MO, MS, MT, ND, NE, SD, TN).	.....do ..........do	T	444	NA	17.44(v)
Sturgeon, pallid	<i>Scaphirhynchus albus</i>	U.S.A. (ID, MT), Canada (B.C.).	.....do	E	399	NA	NA
Sturgeon, shortnose ...	<i>Acipenser brevirostrum.</i>	U.S.A. (UT) .....	.....do	E	1	NA	NA
Sturgeon, white (Kootenai River pop.)	<i>Acipenser transmontanus.</i>	U.S.A. (CA, OR) .....	.....do	E	549	NA	NA
Sucker, June	<i>Chasmistes liorus</i>	U.S.A. (CA) .....	.....do	E	223	17.95(e)	NA
Sucker, Lost River	<i>Deltistes luxatus</i>	U.S.A. (AZ, CA, CO, NM, NV, UT, WY), Mexico.	.....do	E	313	NA	NA
Sucker, Modoc	<i>Catostomus micros</i>	U.S.A. (AZ, CA, CO, NM, NV, UT, WY), Mexico.	.....do	E	184	17.95(e)	NA
Sucker, razorback	<i>Xyrauchen texanus</i> ...	U.S.A. (CA, OR) .....	.....do	E	447	17.95(e)	NA
Sucker, shortnose	<i>Chasmistes brevirostris.</i>	U.S.A. (CA, OR) .....	.....do	E	313	NA	NA
Sucker, Warner	<i>Catostomus warnerensis.</i>	U.S.A. (OR) .....	.....do	T	205	17.95(e)	17.44(l)
Tango, Miyako (Tokyo bittering).	<i>Tanakia tanago</i>	Japan .....	.....do	E	3	NA	NA
Temoleh, Ikan (min-now).	<i>Probarbus jullieni</i>	Thailand, Cambodia, Vietnam, Malaysia, Laos.	.....do	E	15	NA	NA
Topminnow, Gila (incl. Yaqui).	<i>Poeciliopsis occidentalis.</i>	U.S.A. (AZ, NM), Mexico.	U.S.A. only	E	1	NA	NA
Totoaba (seatrout or weakfish).	<i>Cynoscion macdonaldi.</i>	Entire .....	.....do	E	48	NA	NA
Trout, Apache (=Arizona).	<i>Oncorhynchus apache</i> .	U.S.A. (AZ) .....	.....do	T	1, 8	NA	17.44(a)
Trout, bull	<i>Salvelinus confluentus.</i>	U.S.A. (Pacific NW), Canada (NW Territories).	Klamath River Basin (U.S.A.—CA, OR).	T	637	NA	17.44(v)

Common name	Species Scientific name	Historic range	Vertebrate population where endangered or threatened	Status	When listed	Critical habitat	Special rules
Do .....	.....do .....	.....do	Columbia River Basin (U.S.A.—ID, MT, OR, WA) mainstem and its tributaries excluding Jarbridge R., NV, and east of Continental Divide, MT).	T	637	NA	17.44(v)
Do .....	.....do .....	.....do	Jarbridge R. (U.S.A.—ID, NV). .....do	E	639E	NA	NA
Trout, Gila	<i>Oncorhynchus</i> (= <i>Salmo</i>) <i>gilaie</i> .	U.S.A. (AZ, NM) .....	.....do	E	1	NA	NA
Trout, Greenback cut-throat.	<i>Oncorhynchus</i> (= <i>Salmo</i>) <i>clarkii</i> <i>stomias</i> .	U.S.A. (CO) .....	.....do	T	1, 38	NA	17.44(f)
Trout, Lahontan cut-throat.	<i>Oncorhynchus</i> (= <i>Salmo</i>) <i>clarkii</i> <i>henshawi</i> .	U.S.A. (CA, NV, OR, UT).	.....do	T	2, 8	NA	17.44(a)
Trout, Little Kern gold-en.	<i>Oncorhynchus</i> (= <i>Salmo</i>) <i>aguabonita whitei</i> .	U.S.A. (CA) .....	.....do	T	37	17.95(e)	17.44(e)
Trout, Paiute cutthroat	<i>Oncorhynchus</i> (= <i>Salmo</i>) <i>clarkii</i> <i>selenitis</i>.	.....do .....	.....do	T	1, 8	NA	17.44(a)
Trout, Umpqua River cutthroat.	<i>Oncorhynchus</i> (= <i>Salmo</i>) <i>clarkii</i> <i>clarkii</i> .	U.S.A. (AK, CA, OR, WA).	Umpqua R. (U.S.A.—OR) naturally spawning popls. in mainstem and tributaries.	E	588	226.23	NA
Woundfin	<i>Plagopterus</i> <i>argentissimus</i> .	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)

Common name	Species Scientific name	Historic range	Vertebrate population where endangered or threatened	Status	When listed	Critical habitat	Special rules
Combshell, southern (=penitent mussel).	<i>Epioblasma</i> <i>(=Dysnomia) penita.</i>	U.S.A. (AL, MS)	NA	E	262	NA	NA
Combshell, upland	<i>Epioblasma</i> <i>metastriata.</i>	U.S.A. (AL, GA, TN)	NA	E	495	NA	NA
Elktoe, Appalachian ...	<i>Alasmidonta</i> <i>raveneliana.</i>	U.S.A. (NC, TN)	NA	E	563	NA	NA
Elktoe, Cumberland ...	<i>Alasmidonta</i> <i>atropurpurea.</i>	U.S.A. (KY, TN)	NA	E	602	NA	NA
Fanshell	<i>Cyprogenia stegaria</i> <i>(=irrorata).</i>	U.S.A. (AL, IL, IN, KY, OH, PA, TN, VA, WV),	NA	E	391	NA	NA
Fatmucket, Arkansas ..	<i>Lampsilis powelli</i>	U.S.A. (AR)	NA	T	382	NA	NA
Heelsplitter, Carolina ..	<i>Lasmigona decorata</i>	U.S.A. (NC, SC)	NA	E	505	NA	NA
Heelsplitter, Alabama (=inflated).	<i>Potamilus inflatus</i>	U.S.A. (AL, LA, MS) ..	NA	T	404	NA	NA
Higgins eye (pearlymussel).	<i>Lampsilis higginsii</i>	U.S.A. (IA, IL, MN, MO, NE, WI).	NA	E	15	NA	NA
Kidneyshell, triangular	<i>Ptychobranchus</i> <i>greeni.</i>	U.S.A. (AL, GA, TN)	NA	E	495	NA	NA
Lampmussel, Alabama	<i>Lampsilis virescens</i> ...	U.S.A. (AL, TN)	NA	E	15	NA	NA
Lilliput, pale (pearlymussel).	<i>Toxolasma</i> <i>(=Carunculinia)</i> <i>cylindrellus.</i>	U.S.A. (AL, TN)	NA	E	15	NA	NA
Mapleleaf, winged (mussel).	<i>Quadrula fragosa</i> .....	.....	NA	E	426	NA	NA
Moccasinshell, Ala- bama.	<i>Medionidus</i> <i>acutissimus.</i>	U.S.A. (IA, IL, IN, KY, MN, MO, NE, OH, OK, TN, WI).	NA	T	495	NA	NA
Moccasinshell, Coosa	<i>Medionidus parvulus</i>	U.S.A. (AL, GA, TN)	NA	E	495	NA	NA
Moccasinshell, Gulf	<i>Medionidus</i> <i>penicillatus.</i>	U.S.A. (AL, FL, GA) ..	NA	E	633	NA	NA
Moccasinshell, Ochlockonee.	<i>Medionidus</i> <i>simpsonianus.</i>	U.S.A. (FL, GA)	NA	E	633	NA	NA

165	Monkeyface, Appalachian (pearlymussel).	<i>Quadula sparsa</i>	U.S.A. (TN, VA)	NA	NA	NA	NA
	Monkeyface, Cumberland (pearlymussel).	<i>Quadula intermedia</i>	U.S.A. (AL, TN, VA) ..	NA	E	15	15
	Mucket, orangenacre ..	<i>Lampsilis perovalis</i>	U.S.A. (AL, MS)	NA	E	15	NA
	Mucket, pink (pearlymussel).	<i>Lampsilis abrupta</i> (=orbicularia).	U.S.A. (AL, AR, IL, IN, KY, LA, MO, OH, PA, TN, VA, WV).	NA	T	495	NA
	Mussel, oyster	<i>Epioblasma capaeformis.</i>	U.S.A. (AL, KY, TN, VA).	NA	E	602	NA
	Pearlshell, Louisiana ..	<i>Margaritifera hembelii</i>	U.S.A. (LA)	NA	T	304, 518	NA
	Pearlymussel, birdwing Pearlymussel, cracking Pearlymussel, Curtis ...	<i>Conradilla caelata</i>	do	NA	E	15	NA
	Pearlymussel, dromedary.	<i>Hemistena</i> (=Lasterna) <i>lata</i>	U.S.A. (AL, IL, IN, KY, OH, TN, VA).	NA	E	366	NA
	Pearlymussel, Nicklin's	<i>Epioblasma</i> (=Dysnomia) <i>florentina curtisi.</i>	U.S.A. (AR, MO)	NA	E	15	NA
	Pimpleback, orangefoot (pearlymussel).	<i>Dromus dromas</i>	U.S.A. (AL, KY, TN, VA).	NA	E	15	NA
	Pimpleback, orangefoot (pearlymussel).	<i>Pegias fabula</i>	U.S.A. (AL, KY, NC, TN, VA).	NA	E	342	NA
	Pigtoe, Cumberland (Cumberland pigtoe mussel).	<i>Megalonaia nickliniana.</i>	Mexico	NA	E	15	NA
	Pigtoe, dark	<i>Cyrtoraias tampaensis tecumatis.</i>	NA	NA	E	15	NA
	Pigtoe, dark	<i>Plethobasus cooperianus.</i>	U.S.A. (AL, IA, IL, IN, KY, OH, PA, TN).	NA	E	15	NA
	Pigtoe, finerayed	<i>Pleurobema gibberum</i>	U.S.A. (TN)	NA	E	423	NA
	Pigtoe, finerayed	<i>Pleurobema furvum</i> ..	U.S.A. (AL)	NA	E	495	NA
	Pigtoe, finerayed	<i>Fusconaia cuneolus</i> ..	U.S.A. (AL, TN, VA) ..	NA	E	15	NA

Common name	Scientific name	Historic range	Vertebrate population where endangered or threatened	Status	When listed	Critical habitat	Special rules
Pigtoe, flat (=Marshall's mussel).	<i>Pleurobema marshalli</i>	U.S.A. (AL, MS)	NA	E	262	NA	NA
Pigtoe, heavy (=Judge Tait's mussel).	<i>Pleurobema taitianum</i>	.....do	NA	E	262	NA	NA
Pigtoe, oval	<i>Pleurobema pyriforme</i>	U.S.A. (AL, FL, GA) ..	NA	E	633	NA	NA
Pigtoe, rough	<i>Pleurobema plenum</i> ..	U.S.A. (AL, IN, KY, PA, TN, VA)	NA	E	15	NA	NA
Pigtoe, shiny	<i>Fusconaia cor</i> (=edgariana).	U.S.A. (AL, TN, VA) ..	NA	E	15	NA	NA
Pigtoe, southern	<i>Pleurobema georgianum.</i>	U.S.A. (AL, GA, TN)	NA	E	495	NA	NA
Pink, ring (mussel)	<i>Obovaria retusa</i>	U.S.A. (AL, IL, IN, KY, OH, PA, TN, WV).	NA	E	369	NA	NA
Pocketbook, fat	<i>Potamilus (=Proptera) capax.</i>	U.S.A. (AR, IA, IL, IN, KY, MO, MS, OH), U.S.A. (AL, GA)	NA	E	15	NA	NA
Pocketbook, finelined	<i>Lampsilis altilis</i>	U.S.A. (AR, OK)	NA	T	495	NA	NA
Pocketbook, Ouachita rock (=Wheeler's pearly mussel).	<i>Arkansia (=Arcidens) wheeleri.</i>	U.S.A. (AR, OK)	NA	E	446	NA	NA
Pocketbook, shinyrayed.	<i>Lampsilis subangulata</i>	U.S.A. (AL, FL, GA) ..	NA	E	633	NA	NA
Pocketbook, speckled	<i>Lampsilis streckeri</i>	U.S.A. (AR)	NA	E	345	NA	NA
Rabbitfoot, rough	<i>Quadrula cylindrica strigillata.</i>	U.S.A. (TN, VA)	NA	E	602	NA	NA
Riffleshell, northern	<i>Epioblasma torulosa rangiana.</i>	U.S.A. (IL, IN, KY, MI, OH, PA, WV), Canada (Ont.).	NA	E	488	NA	NA
Riffleshell, tan	<i>Epioblasma florentina walkeri</i> (=E. walkeri).	U.S.A. (AL, KY, TN, VA).	NA	E	27	NA	NA
Slabshell, Chipola	<i>Elliptio chipolaensis</i> ..	U.S.A. (AL, FL)	NA	T	633	NA	NA

Spiny mussel, James (=Virginia).	<i>Pleurobema</i> <i>(=Fusconaia,</i> <i>=Elliptio,</i> <i>=Canthryra) collina.</i>	U.S.A. (VA, WV)	NA	NA	NA	NA
Spiny mussel, Tar River.	<i>Elliptio (Canthryra)</i> <i>steinbansiана.</i>	U.S.A. (NC)	NA	E	188	NA
Stirrupshell	<i>Quadrula stapes</i>	U.S.A. (AL, MS) U.S.A. (FL, GA)	NA	E	262	NA
Three-ridge (mussel), fat.	<i>Ambloia neisieri</i> .....	.....	NA	E	633	NA
Wartyback, white (pearly/mussel).	<i>Plethobasus</i> <i>cicatricosus.</i>	U.S.A. (AL, IL, IN, KY, TN)	NA	E	15	NA
Wedgemussel, dwarf ..	<i>Alasmidonta</i> <i>heterodon.</i>	U.S.A. (CT, DC, DE, MA, MD, NC, NH, NJ, NY, PA, VA, VT), Canada (NB.).	NA	E	377	NA
SNAILS		.....	NA	E	431E, 459, 477	NA
Ambersnail, Kanab	<i>Oxylama haydeni</i> <i>kanabensis.</i>	U.S.A. (AZ, UT)	NA	E	485	NA
Limpet, Banbury Springs.	<i>Lanx</i> sp.	U.S.A. (ID)	NA	E	538	NA
Marstonia (snail), royal (=obese).	<i>Pyrgulopsis</i> <i>ognorinape.</i>	U.S.A. (TN)	NA	E	538	NA
Riversnail, Anthony's ..	<i>Altheania anthonyi</i>	U.S.A. (AL, GA, TN) U.S.A. (AR)	NA	E	538	NA
Shagreen, Magazine Mountain.	<i>Mesodon</i> <i>magazinensis.</i>	.....	NA	T	348	NA
Snail, Bliss Rapids	<i>Taylorconcha</i> <i>serpentica.</i>	U.S.A. (ID)	NA	T	485	NA
Snail, Chittenango ovate amber.	<i>Succinea</i> <i>chittenangoensis.</i>	U.S.A. (NY)	NA	T	41	NA
Snail, flat-spined three- toothed.	<i>Triodopsis</i> <i>platysayoides.</i>	U.S.A. (WV)	NA	T	41	NA
Snail, Iowa Pleisto- cene.	<i>Discus macclintocki</i> ...	U.S.A. (IA, IL)	NA	E	41	NA
Snail, Manus Island tree.	<i>Papuystyla pulcherrima</i>	Pacific Ocean—Admi- ralty Is. (Manus Is.)	NA	E	3	NA

Common name	Species Scientific name	Historic range	Vertebrate population where endangered or threatened	Status	When listed	Critical habitat	Special rules
Snail, Morro shoulderband (=Banded dune).	<i>Helminthoglypta</i> <i>walkeri</i> <i>a</i> <i>n</i> <i>a</i> <i>r</i> <i>a</i> <i>n</i> <i>a</i> <i>.a</i>	U.S.A. (CA)	NA	E	567	NA	NA
Snail, noonday	<i>Mesodon clarki</i> <i>nantahala</i> .	U.S.A. (NC)	NA	T	41	NA	NA
Snail, painted snake coiled forest.	<i>Anguispira picta</i>	U.S.A. (TN)	NA	T	41	NA	NA
Snail, Snake River physa.	<i>Physa natricina</i>	U.S.A. (ID)	NA	E	485	NA	NA
Snail, Stock Island tree physa.	<i>Orthalicus reses</i> (not ind. <i>nesodryas</i>). <i>Tulotoma magnifica</i> ..	U.S.A. (FL)	NA	T	41	NA	NA
Snail, tulotoma live-bearing. (=Alabama live-bearing).	U.S.A. (AL)	NA	E	412	NA	NA	NA
Snail, Utah valvata	<i>Valvata utahensis</i>	U.S.A. (ID)	NA	E	485	NA	NA
Snail, Virginia fringed mountain.	<i>Polygyriscus</i> <i>virginianus</i> .	U.S.A. (VA)	NA	E	41	NA	NA
Snails, Oahu tree	<i>Achatinella</i> spp.	U.S.A. (HI)	NA	E	108,	NA	NA
Springsnail, Alamosa ..	<i>Tytonia alamosae</i>	U.S.A. (NM)	NA	E	112	NA	NA
Springsnail, Bruneau Hot.	<i>Pyrgulopsis</i> <i>bruneauensis</i> .	U.S.A. (ID)	NA	E	442	NA	NA
Springsnail, Idaho	<i>Fonteicella</i> <i>idahoensis</i>.	.....do	NA	E	485	NA	NA
Springsnail, Socorro ..	<i>Pyrgulopsis</i> <i>neomexicana</i> .	U.S.A. (NM)	NA	E	442	NA	NA
INSECTS							
Beetle, American burying (=giant carrion).	<i>Nicrophorus</i> <i>americanus</i> .	U.S.A. (eastern States south to FL, west to SD and TX), eastern Can- ada.	NA	E	351	NA	NA
Beetle, Coffin Cave mold.	<i>Batriscodes texanus</i> ...	U.S.A. (TX)	NA	E	327, 513	NA	NA

Beetle, Comal Springs riffle.	<i>Heterelmis comalaensis.</i>	.....do	NA	NA
Beetle, Comal Springs dryopid.	<i>Stygoparnus comalaensis.</i>	.....do	NA	NA
Beetle, delta green ground.	<i>Elaphrus viridis</i>	U.S.A. (CA)	NA	NA
Beetle, Hungerford's crawling water.	<i>Brychius hungerfordi</i>	U.S.A. (MI, Canada)	NA	17.95(i)
Beetle, Kreischmarr Cave mold.	<i>Texamaurops reddelli</i>	U.S.A. (TX)	NA	NA
Beetle, Mount Hermon June.	<i>Polyphylla barbata</i> ...	U.S.A. (CA)	NA	NA
Beetle, northeastern beach tiger.	<i>Cicindela dorsalis dorsalis.</i>	U.S.A. (CT, MA, MD, NJ, NY, PA, RI, VA).	NA	NA
Beetle, Puritan tiger ...	<i>Cicindela puritana</i>	U.S.A. (CT, MA, MD, NH, VT).	NA	NA
Beetle, Tooth Cave ground.	<i>Rhadine persephone</i>	U.S.A. (TX)	NA	NA
Beetle, valley elderberry longhorn.	<i>Desmocerus californicus dimorphus.</i>	U.S.A. (CA)	NA	17.95(i)
Butterfly, bay checkerspot.	<i>Euphydryas editha bayensis.</i>	.....do	NA	NA
Butterfly, Behren's silverspot.	<i>Speyeria zerene behrensi.</i>	.....do	NA	NA
Butterfly, callipe silverspot.	<i>Speyeria callippe callippe.</i>	.....do	NA	NA
Butterfly, Corsican swallowtail.	<i>Papilio hospiton</i>	Corsica, Sardinia	NA	NA
Butterfly, El Segundo blue.	<i>Euphilotes (=Shijimiaeoides) batoides allyni.</i>	U.S.A. (CA)	NA	NA
Butterfly, Homerus swallowtail.	<i>Papilio homerus</i>	Jamaica	NA	NA
Butterfly, Karner blue ..	<i>Lycaeides melissa samuelis.</i>	U.S.A. (IL, IN, MA, MI, MN, NH, NY, OH, PA, WI), Canada (Ont.).	NA	NA

Common name	Scientific name	Historic range	Vertebrate population where endangered or threatened	Status	When listed	Critical habitat	Special rules
Butterfly, Lange's metalmark.	<i>Apodemia mormo langei.</i>	U.S.A. (CA)	NA	E	14	NA	NA
Butterfly, lotis blue	<i>Lycaenidae argyrognomon lotis.</i>	.....do	NA	E	14	NA	NA
Butterfly, Luzon peacock swallowtail.	<i>Papilio chikae</i>	Philippines	NA	E	486	NA	NA
Butterfly, mission blue	<i>Icaricia icarioides missionensis.</i>	U.S.A. (CA)	NA	E	14	NA	NA
Butterfly, Mitchell's satyr.	<i>Neonympha mitchellii mitchellii.</i>	U.S.A. (IN, MI, NJ, OH).	NA	E	428E, 469	NA	NA
Butterfly, Myrtle's silverspot.	<i>Speyeria zerene myrtleae.</i>	U.S.A. (CA)	NA	E	472	NA	NA
Butterfly, Oregon silverspot.	<i>Speyeria zerene hippolyta.</i>	U.S.A. (CA, OR, WA)	NA	T	95	17.95(l)	NA
Butterfly, Palos Verdes blue.	<i>Glaucopsyche lygdamus palosverdesensis.</i>	U.S.A. (CA)	NA	E	96	17.95(l)	NA
Butterfly, Queen Alexandra's birdwing.	<i>Troides (=Ornithoptera) alexandriæ.</i>	Papua New Guinea ..	NA	E	364	NA	NA
Butterfly, Quino checkerspot.	<i>Euphydryas editha quino (=E. e. wrighti).</i>	U.S.A. (CA), Mexico	NA	E	604	NA	NA
Butterfly, Saint Francis' satyr.	<i>Neonympha mitchellii francisci.</i>	U.S.A. (NC)	NA	E	539E, 574	NA	NA
Butterfly, San Bruno elfin.	<i>Callophrys mossii bayensis.</i>	U.S.A. (CA)	NA	E	14	NA	NA
Butterfly, Schaus swallowtail.	<i>Heraciliæ (=Papilio) aristodemus ponceanus.</i>	U.S.A. (FL)	NA	E	13, 159	NA	NA
Butterfly, Smith's blue	<i>Euphilotes (=Shijimiaeoides) enoptes smithi.</i>	U.S.A. (CA)	NA	E	14	NA	NA

Butterfly, Uncompahgre fritillary. Dragonfly, Hine's (=Ohio) emerald. Fly, Delhi Sands flow- er-loving.	<i>Boloria acrocnema</i> ... <i>Somatochlora</i> <i>hineana.</i> <i>Rhaphiomidas</i> <i>terminatus</i> . <i>abdominalis.</i> <i>Trimerotropis infantilis</i>	U.S.A. (CO) U.S.A. (IL, IN, OH, WI). U.S.A. (CA)	NA NA NA	NA	NA	NA	NA	NA
Grasshopper, Zayante band-winged. Moth, Kern primrose sphinx. Naucorid, Ash Mead- ows.	<i>Euprosopis</i> <i>euterpe.</i> <i>Ambrysus amargosus</i>	.....do	NA	NA	E	427	NA	NA
Skipper, Laguna Mountains. Skipper, Pawnee montane.	<i>Pyrgus ruralis</i> <i>lagunae.</i> <i>Hesperia leonardus</i> (=pawnee) mon- tana.	U.S.A. (NV)	NA	NA	E	573	NA	NA
ARACHNIDS					E	517	NA	NA
Harvestman, Bee Creek Cave. Harvestman, Bone Cave. Pseudoscorpion, Tooth Cave.	<i>Texella reddelli</i>	U.S.A. (TX)	NA	NA	E	605	NA	NA
Spider, spruce-fir moss Spider, Tooth Cave ...	<i>Texella reyesi</i> .....	.....do	NA	NA	T	91	NA	NA
CRUSTACEANS					T	181	17.95(i)	NA
Amphipod, Illinois cave Amphipod, Hay's Spring.	<i>Tartarocreagris</i> (=Microcreagris) <i>texana.</i> <i>Microhexura</i> <i>montivaga.</i> <i>Neoleptoneta</i> (=Leptoneta) <i>myopica.</i> <i>Stygobromus</i> <i>acherondytes.</i> <i>Stygobromus hayi</i>	U.S.A. (NC, TN)	NA	NA	E	604	NA	NA
		U.S.A. (IL)	NA	NA	E	576	NA	NA
		U.S.A. (DC)	NA	NA	E	327	NA	NA
					E	642	NA	NA
					E	115	NA	NA

Common name	Species Scientific name	Historic range	Vertebrate population where endangered or threatened	Status	When listed	Critical habitat	Special rules
Amphipod, Peck's cave.	<i>Stygoromus</i> (= <i>Sygonectes</i>) <i>pecki.</i>	U.S.A. (TX)	NA	E	629	NA	NA
Crayfish, cave [no common name].	<i>Cambarellus acutabrum</i>	U.S.A. (AR)	NA	E	499	NA	NA
Do	<i>Cambarellus zophonastes.</i>	.....do	NA	E	263	NA	NA
Crayfish, Nashville	<i>Orconectes shoupi</i>	U.S.A. (TN)	NA	E	242	NA	NA
Crayfish, Shasta (=placid).	<i>Pacifastacus fortis</i>	U.S.A. (CA)	NA	E	337	NA	NA
Fairy shrimp, Conservancy.	<i>Branchinecta conservatio.</i>	.....do	NA	E	552	NA	NA
Fairy shrimp, longhorn	<i>Branchinecta longiantenna.</i>	.....do	NA	E	552	NA	NA
Fairy shrimp, Riverside Diego.	<i>Streptocephalus woottoni.</i>	.....do	NA	E	512	NA	NA
Fairy shrimp, San Diego.	<i>Branchinecta sandiegensis.</i>	.....do	NA	E	608	NA	NA
Fairy shrimp, vernal pool.	<i>Branchinecta lynchii</i> ....	.....do	NA	T	552	NA	NA
Isopod, Lee County cave.	<i>Lirceus usdagalun</i>	U.S.A. (VA)	NA	E	483	NA	NA
Isopod, Madison Cave Isopod, Socorro	<i>Antrolana lira</i> ....	.....do	NA	T	123	NA	17.46(a)
Shrimp, Alabama cave	<i>Thermosphaeroma</i> (= <i>Exosphaeroma</i>) <i>thermophilus.</i>	U.S.A. (NM)	NA	E	36	NA	NA
Shrimp, California freshwater.	<i>Palaemonias alabamae.</i>	U.S.A. (AL)	NA	E	323	NA	NA
Shrimp, Kentucky cave	<i>Syncaris pacifica</i>	U.S.A. (CA)	NA	E	340	NA	NA
Shrimp, Squirrel Chimney Cave (=Florida cave).	<i>Palaemonias ganteri</i> <i>Palaemonetes cummingi.</i>	U.S.A. (KY)	NA	E	135	17.95(h)	NA
		U.S.A. (FL)	NA	T	390	NA	NA

Tadpole shrimp, vernal pool.	<i>Lepidurus packardi</i> ...	U.S.A. (CA)	NA		NA	NA
------------------------------	-------------------------------	-------------------	----------	--	----	----

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".

§ 17.11

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.
15—41 FR 24064; June 14, 1976.
15A—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.

50 CFR Ch. I (10-1-98 Edition)

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.
108—46 FR 3178; January 13, 1981.
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.

U.S. Fish and Wildlife Serv., Interior**§ 17.11**

- 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.
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.

§ 17.11

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.
431—56 FR 37671; August 8, 1991.
432—56 FR 40267; August 14, 1991.
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.

50 CFR Ch. I (10-1-98 Edition)

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.
469—57 FR 21569; May 20, 1992.
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.

U.S. Fish and Wildlife Serv., Interior

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.
597—61 FR 54057; October 16, 1996.
598—61 FR 59028; November 20, 1996.
600—62 FR 689; January 6, 1997.
602—62 FR 1657; January 10, 1997.
604—62 FR 2322; January 16, 1997.
605—62 FR 3628; January 24, 1997.
607—62 FR 4191; January 29, 1997.
608—62 FR 4939; February 3, 1997.
610—62 FR 10746; March 10, 1997.
612—62 FR 23392; April 30, 1997.
614—62 FR 30772; June 5, 1997.
616—62 FR 31757; June 11, 1997.
617—62 FR 31761; June 11, 1997.
618—62 FR 33038; June 18, 1997.
621—62 FR 38939; July 21, 1997.
622—62 FR 39157; July 22, 1997.
626—62 FR 59622; November 4, 1997.
628—62 FR 64320; December 5, 1997.
629—62 FR 66303; December 18, 1997.
630—63 FR 694; January 7, 1998.
631—63 FR 1763; January 12, 1998.
632—63 FR 3843; January 27, 1998.
633—63 FR 12686; March 16, 1998.
634—63 FR 13150; March 18, 1998.
636—63 FR 26530; May 13, 1998.
637—63 FR 31674; June 10, 1998.
638—63 FR 32997; June 17, 1998.
639—63 FR 42762; August 11, 1998.
642—63 FR 46909; September 3, 1998.
645—63 FR 51016; September 24, 1998.

§ 17.12

EDITORIAL NOTE 1: For FEDERAL REGISTER citations affecting the table in § 17.11(h), see the listing above.

EDITORIAL NOTE 2: For FEDERAL REGISTER citations affecting § 17.11, see the List of CFR Sections Affected in the Finding Aids section of this volume.

§ 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 § 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 non-regulatory 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