

U.S. Fish & Wildlife Service

Report to Congress on the Recovery Program for Threatened and Endangered Species

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Introduction

The Endangered Species Act of 1973, [16 U.S.C. 1531 et seq.] (Act), has as its primary purpose the conservation of endangered and threatened species and the ecosystems upon which they depend. The ultimate goal of such conservation is the recovery of endangered and threatened species and their ecosystems, so that they no longer need the conservation measures afforded them under the Act. Among other things, the Act requires the development of recovery plans for listed endangered or threatened species (except for those species where it is determined that such a plan will not promote the conservation of the species), which serve as an important tool to organize and guide the recovery process, and ensure that recovery is achieved.

The Endangered Species Act amendments of 1988 (Public Law 100-478/50 CFR 1533(f)(3)) included a requirement that the Secretaries of the Interior and Commerce report to Congress every two years on the status of efforts to develop and implement recovery plans, and the status of all species for which recovery plans have been developed. This is the fourth Report to Congress on the status of the recovery program for federally listed endangered and threatened species under the Secretary of the Interior's jurisdiction. The Secretary of the Interior has delegated responsibility for endangered species recovery to the Fish and Wildlife Service.

Recovery Overview

Recovery is the cornerstone and ultimate purpose of the endangered species program. Recovery is the process by which the decline of an endangered or threatened species is arrested or reversed, and threats to its survival are neutralized, so that its long-term survival in nature can be ensured. The goal of this process is to restore listed species to a point where they are secure, self-sustaining components of their ecosystem and, thus, to allow delisting.

Recovery of threatened and endangered species is a tremendous challenge. Recovery must reverse declines that often have occurred over the course of

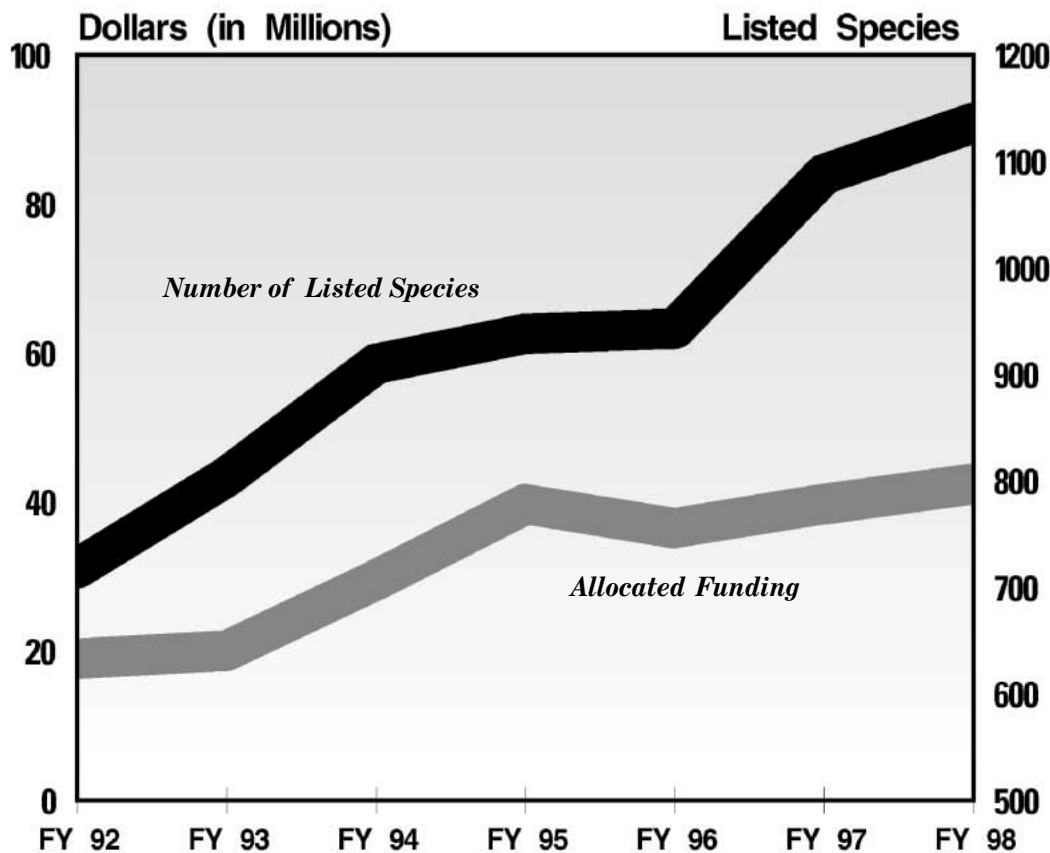


Figure 1: Recovery workload and allocated funding

two centuries. The habitat base for species at the time of listing is usually very limited. Many listed species are facing multiple threats. Reversing long-term declines and conserving the habitat of listed species, while accommodating society's other goals, requires finding innovative solutions. The many success stories of species now on the road to recovery illustrate what it takes to achieve recovery of endangered and threatened species. Successful recovery often takes many years of research, restoration, protection, and active management. The key ingredient almost always necessary for all of this is the Service's role in finding and keeping many partners working together to achieve common goals over time.

The primary objectives of the Service's recovery program, while working in close cooperation with our partners, are to: 1) complete development of recovery plans within 2.5 years of a species being listed, to the maximum extent possible; 2) determine tasks necessary to reduce or eliminate the threats to the species; 3) apply available resources to the highest priority species and recovery tasks; and, 4) reclassify and delist

species as appropriate. Recovery tasks for a specific species might include: defining threats through research on biological requirements, managing threats through habitat protection and restoration, or in some cases, augmenting a severely depleted population with captive breeding. All of these activities and associated efforts must allow time for an endangered species to respond biologically to protective efforts on its behalf.

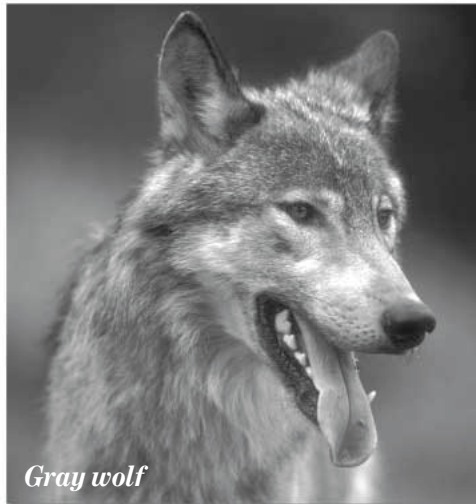
In addition to time, all of these activities require resources, both monetary and personnel. Figure 1 illustrates appropriated funding for endangered species recovery activities, relative to the recovery workload (expressed as number of listed species). Congressional funding authorizations to support the Service's recovery program have increased in recent years. Still, the increases have not kept pace with the increasing workload. This has resulted in a need to prioritize, and focus recovery efforts on those species that are declining the most rapidly or closest to the brink of extinction. Once species have been stabilized or start to increase, attention turns to other species in more critical condition. Thus, species

recovery slows, and fewer species have recovered to the point of delisting than might be desired. Under the circumstances, the Service has done an excellent job of keeping species from dropping off the edge and becoming extinct, and planning for their recovery (discussed later). However, additional increases in resources will be necessary in the future to finish the job of recovering species so that they no longer need the protections of the ESA.

Recovery Policy

In 1994, the Service initiated a major effort to improve the overall national implementation of the ESA and began developing a suite of new national policies addressing certain aspects of implementation of the Act. A number of these policies address issues which can arise during the recovery process. The first four, published in July, 1994, were described in the Service's 1994 Report to Congress, and included policies on: 1) recovery plan participation and implementation; 2) the role of state agencies in ESA activities; 3) incorporation of ecosystem considerations; and 4) peer review.

During the period covered by this report, October 1, 1994 through September 30, 1996, the Service continued to develop and implement policies to improve implementation of the ESA. The Act allows the listing of distinct population segments of vertebrate species. This can have implications for both reclassification and delisting. The *Policy Regarding the Recognition of Distinct Vertebrate Population Segments*, developed jointly with the National Marine Fisheries Service, clarifies the Service's interpretation of what constitutes a distinct population segment. Likewise a joint *Policy for Conserving Species Listed or Proposed for Listing Under the Endangered Species Act While Providing and Enhancing Recreational Fisheries Opportunities* was issued which promotes collaboration with other Federal, State, and Tribal fisheries



managers to conserve listed and proposed fishes. In addition, policies providing guidance and consistency in how controlled propagation may be used for the conservation of listed species and how intercross and intercross progeny should be treated under the Act were drafted and proposed for public comment; both of these will be completed soon.

Recovery Planning and Implementation

The Service's Recovery Program is multifaceted, involving the development of recovery plans for listed species, the implementation of those plans, and ultimately the delisting of species as they recover. Implementing such a program for almost 1000 listed species involves staff in Service offices around the country as well as many public and private partners in other Federal and State agencies, environmental organizations, businesses and private landowners throughout the country.

The job of recovering endangered and threatened species may begin even before a species is formally listed. Where possible, the Service works with local governments and private land owners to develop candidate conservation agreements, which may arrest a species' decline and, in some cases, actually

prevent the need for proceeding with listing a species. For those species which must be listed anyway, development of a recovery outline (or recovery strategy) is required within 60 days of listing. This ensures that recovery actions are begun immediately, rather than awaiting finalization of a more complete, detailed recovery plan. If a conservation agreement already exists it can be folded easily into a recovery outline and expedite recovery implementation since partners may already be working together.

The recovery plan then identifies a more comprehensive suite of recovery actions that, implemented on top of those already begun, the recovery team and the Service believe will ensure the species is set on the road to recovery. Implementation of all recovery tasks identified in a recovery plan is not assured by publication of the plan. Indeed, many recovery tasks are not within the purview of the Fish and Wildlife Service. Many recovery tasks may require actions by other federal land managers, state and local agencies, or even private land owners. It is the Service's job to identify the appropriate parties and to develop partnerships with them, so that creative ways of implementing recovery actions are found. It takes resources and time to identify and develop such partnerships, and then time for listed species population numbers to respond to recovery tasks as they are implemented, so actual recovery may take a number of years.

Finally, as a species begins to approach recovery, surveys are necessary to confirm that it has recovered as a self-sustaining, functioning element of its ecosystem. As mentioned earlier, federal appropriations have not kept pace with the increasing number of listed species in recent years. As a result, as some species populations are stabilized or they approach recovery, funds may be diverted to other, more critical species. In some cases, this means that the final key actions necessary to achieve full recovery have not been implemented due to inadequate funding. Finally, the Act requires that species that are delisted because they have recovered be monitored for at least five years after delisting, to ensure that removing the protections of the Act does not result in the species becoming threatened again.

1996 Status of Listed Species

As of September 30, 1996, 960 U.S. species were listed as threatened or endangered under the ESA. Nine hundred forty-three of these listed species were under the jurisdiction of the Fish and Wildlife Service. The remaining 17 species are under the jurisdiction of the National Marine Fisheries Service. Recovery "entities" are addressed in this report. Although the gray wolf is listed as a single species, three separate recovery entities exist: Eastern (timber), Northern Rocky Mountain and Mexican.

Likewise, there are three recovery entities of piping plover (Atlantic coast, Great Lakes and Northern Great Plains). The tables in the Appendix show the listing status, population status and the recovery plan development stage for 949 recovery entities under the jurisdiction of the Fish and Wildlife Service reported as of September 30, 1996. For the purpose of this report they are all called species. In addition, species that had been delisted as of September 30, 1996, because the species had recovered, or because of taxonomic revisions or the species had been determined to be extinct, are not included in the figures and statistics below.

Overall, by the end of fiscal year 1996, 352 (over 37%) of the U.S. listed endangered or threatened species had been stabilized or were improving. This number is very encouraging, especially given the large number of highly imperilled species that have been listed in the past decade. As of October 1, 1990, there were 581 U.S. listed species under the jurisdiction of the Fish and Wildlife Service. By September 30, 1996, 960 U.S. species were listed as threatened or endangered, 943 of which were under the jurisdiction of the Fish and Wildlife Service. This constitutes a 62 percent increase in listed species and concomitant recovery workload over a six-year period. A closer look at the data reveals that the recovery program is even more successful as recovery actions are implemented over several years, as illustrated in Figure 2. Forty-eight percent of those species listed before 1989 are now stabilized or improving and 58% of those species first listed between 1968 and 1973 are either stable or are improving.

When comparing the population trend data in Figure 2 to data in the 1994 Report to Congress on the Recovery Program, the percentage of stabilized or increasing species has remained stable in most of the 5-year intervals. This is not surprising, since recovery takes time, and two years is not a significant period of time in which to expect population level changes. Normal fluctuations in natural conditions, such as relatively wet or dry years, can temporarily influence

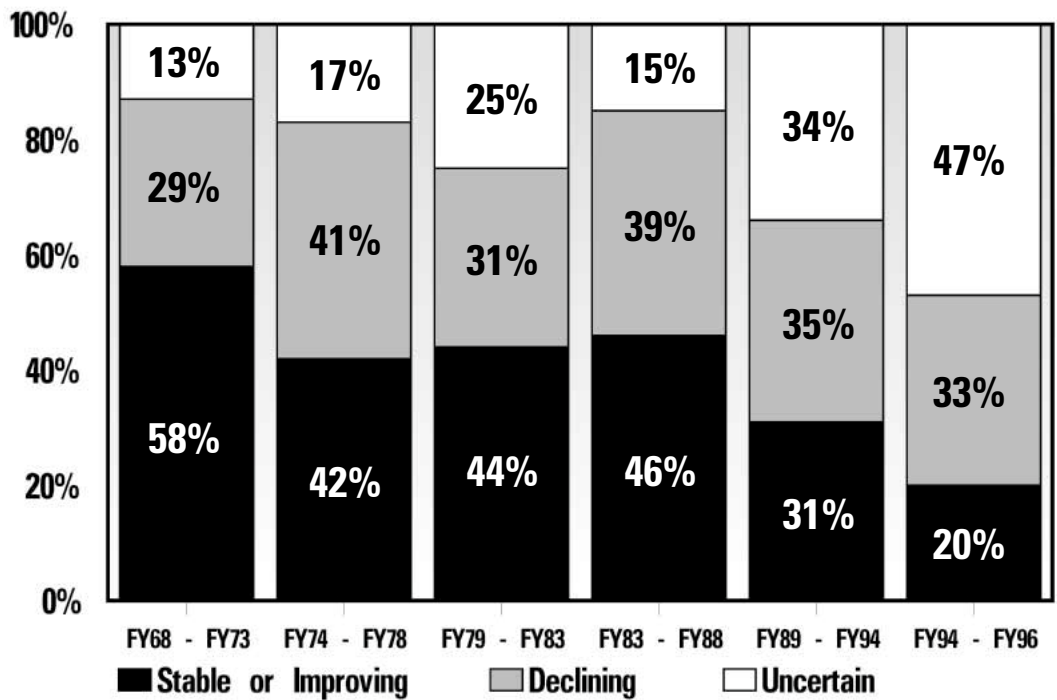


Figure 2: Current population trends of listed species according to time of listing

population trends for almost any species, so small fluctuations in the numbers of species with stabilized or improved population status are not unexpected. The largest change between 1994 and 1996 is seen in the increase in the percentage of species listed between 1989-93 that have been stabilized or begun to increase, from 22% to 31%. As this group had been listed for the shortest period of time before the 1994 Report, it was not surprising that this group had the poorest status at the time the 1994 Report was prepared. Similarly, it is not surprising that only 20% of the species listed most recently, in the 1994-96 category, were reported as stabilized or improving. Because nearly 60% of all species listed by September 30, 1996, were listed in the previous 7 years, we would not expect to see a large increase in the overall number of stabilized and improved species until these recently listed species have had time to realize the benefits of recovery planning and implementation. However, the improvement in the 1989-93 category suggests that quick action can be very important in stabilizing and improving the status of listed species.

The first step in moving a threatened or endangered species towards recovery is gaining an understanding of the threats it faces and the effects those threats have on population status. The ecological requirements for feeding,

breeding, sheltering, and nurturing as well as threats may not be fully understood at the time a species is listed. Figure 2 illustrates the Service's ability, through the recovery program, to increase our knowledge of species' status and the threats that they face. This is reflected in the marked decrease over time in species for which population trends are uncertain or unknown—from 47% for species listed since 1993, the most recent years, to only 13% for those listed prior to 1974.

Another important step in recovering a listed species is the preparation of a recovery plan that outlines conservation measures necessary for species' recovery and identifies those State, Federal, Tribal and private partners that could contribute to the recovery effort. The Service and its partners have made tremendous progress in this area over the past two years. As illustrated in Figure 3, 73% of the 949 Service-managed species listed as of September 30, 1996, had final, approved recovery plans. An additional 17% had draft plans, 9% had plans in the first stages of development, and the remaining 1% were exempted from recovery planning requirements because the Service has determined that they would not benefit from recovery plan preparation. In comparison, at the end of September, 1994, only 54% of the listed species had final, approved plans, 21% had draft

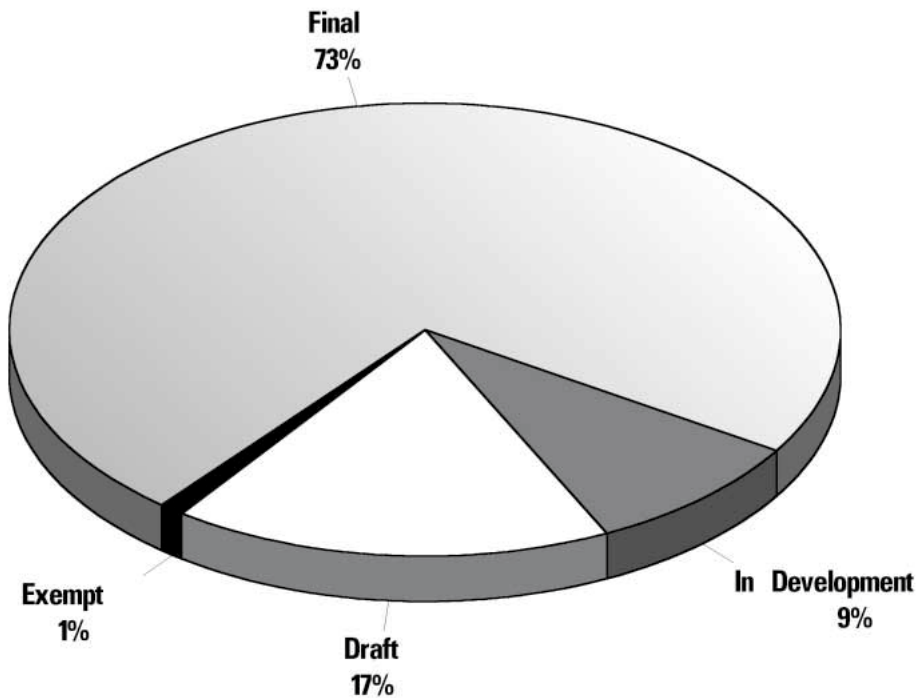


Figure 3: Recovery Planning Status of USFWS Species

plans, 18% had plans in the first stages of development, recovery planning for 6% had not yet begun, and 2% were exempt. The Service has been working aggressively to reduce and remove the backlog of species without recovery plans and to ensure that all plans are completed within 2.5 years of a species' listing.

But it is implementation of recovery actions that ultimately recover species. Thanks to the "team effort" of the Service and its many partners in threatened and endangered species recovery, of all the species listed by September 30, 1996, 99% still survive and many of them are headed towards recovery, only 7 or less than 1%, have been officially recognized as extinct and subsequently delisted (several of these probably were extinct prior to their listing). In the same time frame, 6 species were removed from the list because they had recovered. Meanwhile, preventing the extinction of the remaining 99% is perhaps the biggest success story of the Act to date. Keeping these species from extinction provides the opportunity to develop and implement even more effective recovery actions for them. While recovery takes time, we are starting to see tangible results. Indeed, recently the Service identified 25 additional U.S. listed species that it anticipates proposing for delisting or reclassification from endangered to

threatened during FY 1998-2000 (Table 1), because they have recovered. Nine other species may be proposed for delisting or reclassification because of new information, taxonomic revisions, or because they are presumed extinct.

Nevertheless, some threats, such as habitat loss and degradation, and introduction of alien species (including diseases) are increasing. In some cases, new threats may cause new declines, even in species already on the road to recovery. Thus, monitoring and additional recovery actions may be necessary for many listed and vulnerable species, even some already on the road to recovery.

Additionally, nearly 80% of all listed species occur partially or entirely on private lands. The Service has been working diligently to establish programs that will provide flexibility and assurances to private landowners so that they will help conserve and recover listed and imperiled species. For example, the Service is currently finalizing policies and regulations on the proposed Safe Harbor and Candidate Conservation Agreements with Assurances programs. These are voluntary cooperative programs developed by the Service for the proactive management of private lands for the benefit of species.

These successes notwithstanding, preventing extinction, while critical, does not guarantee recovery (or delisting) of endangered and threatened species. Growing challenges face the Service's Recovery Program for endangered and threatened species that will require creative action, partnering, and a strong program, including funding for implementation, in order to ensure that the gains made to date are consolidated and ultimately become full recovery for species on the list. The attached report *The Road Back: Endangered Species Recovery: Success with Partners* outlines a number of examples of how the Service is developing creative actions with a diverse array of partners. In this way the Service is doing its best to provide the greatest opportunity for ensuring recovery for the endangered and threatened species listed under the Endangered Species Act of 1973.

Summary

Over the two-year period, FY95-FY96, the Service held the line for endangered and threatened species despite the major increase in workload over the last decade. Of all the species listed as of September 30, 1996, 99% still survive and many are headed towards recovery. For species that had been on the list for only a few years, the percentage of species that were stabilized or increasing had increased over FY94. The percentage stabilized or improving in other time frames held steady. The percentage of species with final, approved recovery plans increased significantly, from 54% to 73%, with most of the remaining species having plans either in draft or under development. In addition, the Service has made significant progress in identifying and creating partners for the recovery of endangered and threatened species. Still, the increasing workload, increasing threats in some quarters, and limited resources for implementing recovery actions have limited the potential for actual recovery of listed species. Significant additional resources will be necessary to realize the full potential of the Endangered Species Act and effect full recovery of all species on the list in an expeditious manner.

Figure 4: Possible FWS Delisting and Reclassification Actions for Fiscal Years 1998–2000¹ (as of May 11, 1998)

Species	Action Being Considered ²	Lead Region	Reason for Action
American Peregrine falcon	Proposed Delisting	1	Recovery
Columbian white-tailed deer	Proposed Delisting ³ Douglas County, OR; Proposed Downlisting ³ Columbia River population	1	Recovery
Ash Meadows species (4): †Ash Meadows Amargosa pupfish †Spring-loving centauray †Ash Meadows sunray †Ash Meadows gumplant	Proposed Delisting	1	Recovery
Tidewater goby	Proposed Delisting	1	Recovery and New Information
Tinian monarch (a bird) ³	Proposed Delisting	1	Recovery
Hoover's wooly star	Proposed Delisting	1	Recovery and New Information
Truckee barberry ³	Proposed Delisting	1	Taxonomic Revision
Guam broadbill	Proposed Delisting	1	Presumed Extinct
Mariana mallard	Proposed Delisting	1	Presumed Extinct
Oahu tree snails (3 species) † <i>Achatinella spaldingi</i> † <i>A. lehuiensis</i> † <i>A. thaanumi</i>	Proposed Delisting	1	Presumed Extinct
<i>Chamaesyce skottsbergii</i> var. <i>Kalaaloana</i>	Proposed Delisting	1	Taxonomic Revision
Pahrump poolfish	Final Downlisting	1	Recovery
Loch Lomond coyote-thistle	Final Downlisting	1	Recovery
Eureka Valley plants (2 species) †Eureka Valley evening-primrose †Eureka dunegrass	Proposed Downlisting	1	Recovery
Hawaiian hawk ³	Proposed Downlisting or Delisting	1	Recovery
Island night lizard ³	Proposed Delisting	1	Recovery
Lloyd's hedgehog cactus	Final Delisting	2	Taxonomic Revision
Brown pelican (Gulf Coast)	Proposed Delisting	2	Recovery
Gray wolf ³	Proposed Delisting or Downlisting of Populations	3	Recovery
Bald eagle	Proposed Delisting	3	Recovery
Missouri bladder-pod	Proposed Downlisting	3	Recovery and New Information
Running buffalo clover	Proposed Downlisting	3	Recovery and New Information
Dismal swamp shrew	Proposed Delisting	5	New Information
Virginia roundleaf birch	Proposed Delisting	5	Recovery
Virginia northern flying squirrel	Proposed Downlisting	5	Recovery
Robbin's cinquefoil	Proposed Downlisting	5	Recovery
Heliotrope milk-vetch	Proposed Delisting	6	Recovery
Aleutian Canada goose	Proposed Delisting	7	Recovery

¹ This list is not intended to be comprehensive. Delisting or downlisting actions may be processed for species other than those appearing here.

² The action actually proposed or finalized may differ from that currently being considered.

³ Although the Service has received a petition requesting delisting of this species, the possible delisting or downlisting action is a Service initiative rather than a result of the petition.

Appendix

Data are presented for each U.S. listed species under the jurisdiction of the Service, organized by major taxonomic groupings.

The Act provides for the listing of distinct population segments of vertebrate species when a significant population segment might be threatened or endangered but there is no need to apply the provisions of the Act across the rest of the species' range. Several species of vertebrates have more than one distinct population segment listed. For the gray wolf and the piping plover, these separate populations, with their separate recovery plans and population trends, have been listed separately. For others, such as the peregrine falcon, the bald eagle, and the Gila and Yaqui topminnow, these have been combined and listed as one entity.

Data given in the following table include:

Listing Status

The listing status is identified as

T—*Threatened*

E—*Endangered*

CH—*Critical Habitat*; if designated, critical habitat is also listed with the species' status.

Lead Region

This indicates which Service Region has the lead responsibility for the species.

Population Status

The status of each species is identified as:

I—*Improving*; species known to be increasing in numbers and/or whose threats to their continued existence are lessening in the wild. This includes species that have recently reached stability.

S—*Stable*; species known to have stable numbers since the 1994 report and whose threats have remained relatively constant in the wild.

D—*Declining*; species known to be decreasing in numbers and/or whose threats to their continued existence are increasing in the wild.

U—*Uncertain*; species where additional survey work is required to determine the trend in their status.

C—*Captivity*; species that are only found in captivity, not in the wild.

E—*Extinct*; species that are believed to be extinct.

Recovery Plan

Whether the species has an approved recovery plan.

Y—*Yes*

N—*No*

NA—*Not Applicable*, used for species that are exempt from development of a recovery plan.

Plan Stage

The status of recovery plan development is reported as indicated below:

F—*Final*; approved

R(#)—*Revision (number)*; approved

D—*Draft*

U—*Under Development*

RU(#)—*Revision (number) Under Development*

RD(#)—*Revision (number) Drafted*

NA—*Not Applicable*

Recovery Achieved

The percentage of species recovery objective(s) achieved is indicated with a value of 1 to 4 as defined below:

1—*0%-25% achieved*

2—*26%-50% achieved*

3—*51%-75% achieved*

4—*76%-100% achieved*

(This number does not necessarily correspond with the percentage of recovery tasks achieved. For example, stabilization of a formerly declining species through completion of two or three of the most important tasks may be considered achievement of more than 25% of the recovery objective.)

Recovery Priority

Each species is assigned a recovery priority from 1 to 18 according to the degree of threats, recovery potential, and taxonomic distinctness. In addition, a species' rank may be elevated by adding a C designation to its numerical rank to indicate that there is some degree of conflict between the species' conservation efforts and economic development associated with its recovery. Species with a high priority rank (1, 1C, 2, 2C) are those of most concern with highest potential for recovery. Species with a low rank (16, 17, 18) are of lowest concern or have low recovery potentials.



Aleutian Canada goose

Listed Species	Listing Status	Lead Region	Population Status	Recovery Plan	Plan Stage	Recovery Achieved	Recovery Priority
Mammals							
Bat, gray	E	3	I	Y	F	3	8
Bat, Hawaiian hoary	E	1	U	N	U	1	9
Bat, Indiana	E,CH	3	D	Y	RD(1)	2	8
Bat, lesser long-nosed	E	2	U	N	D	1	8
Bat, little Mariana fruit	E	1	E	N	U	1	5
Bat, Mariana fruit	E	1	D	Y	F	1	3
Bat, Mexican long-nosed	E	2	U	Y	F	1	5
Bat, Ozark big-eared	E	2	S	Y	F	1	3
Bat, Virginia big-eared	E,CH	5	I	Y	RD(1)	3	9
Bear, grizzly	T	6	S	Y	RD	2	3C
Bear, Louisiana black	T	4	I	Y	F	1	9
Caribou, woodland	E	1	D	Y	RD(3)	1	3C
Cougar, eastern	E	5	E	Y	F	1	18
Deer, Columbian white-tailed	E	1	I	Y	RD	4	15
Deer, key	E	4	D	Y	RD	1	6C
Ferret, black-footed	E	6	I	Y	RD	1	2
Fox, San Joaquin kit	E	1	D	Y	RD(1)	1	3C
Jaguarundi	E	2	U	Y	F	1	6
Kangaroo rat, Fresno	E,CH	1	D	N	U	1	3C
Kangaroo rat, giant	E	1	D	N	U	2	2C
Kangaroo rat, Morro Bay	E,CH	1	D	Y	RD(1)	1	6C
Kangaroo rat, Stephensí	E	1	S	N	U	3	2C
Kangaroo rat, Tipton	E	1	D	N	U	1	3C
Manatee, West Indian (= Florida)	E,CH	4	D	Y	RD(2)	1	5C
Mountain beaver, Point Arena	E	1	U	N	U	1	3
Mouse, Alabama beach	E,CH	4	S	Y	F	2	3C
Mouse, Anastasia Island beach	E	4	S	Y	F	1	6C
Mouse, Choctawhatchee beach	E,CH	4	U	Y	F	1	3C
Mouse, Key Largo cotton	E	4	S	N	U	4	3C
Mouse, Pacific pocket	E	1	U	N	U	1	3C
Mouse, Perdido Key beach	E,CH	4	D	Y	F	2	3C
Mouse, salt marsh harvest	E	1	D	Y	RD(1)	1	2C
Mouse, southeastern beach	T	4	D	Y	F	1	9C
Ocelot	E	2	D	Y	F	1	5
Otter, southern sea	T	1	I	Y	RD(1)	3	9C
Panther, Florida	E	4	S	Y	RD	1	6C
Prairie dog, Utah	T	6	D	Y	F	2	14
Pronghorn, Sonoran	E	2	U	Y	F	1	3
Rabbit, Lower Keys marsh	E	4	D	Y	F	1	6C
Rice rat (= silver rice rat)	E,CH	4	D	N	U	1	9C
Shrew, Dismal Swamp southeastern	T	5	S	Y	F	2	9
Squirrel, Carolina northern flying	E	4	S	Y	F	2	6C
Squirrel, Delmarva Peninsula fox	E	5	I	Y	RD(2)	2	9
Squirrel, Mount Graham red	E,CH	2	D	Y	F	1	9C
Squirrel, Virginia northern flying	E	5	I	Y	F	3	9
Vole, Amargosa	E,CH	1	U	N	U	1	6

Listed Species	Listing Status	Lead Region	Population Status	Recovery Plan	Plan Stage	Recovery Achieved	Recovery Priority
Vole, Florida salt marsh	E	4	U	NA	NA	1	6
Vole, Hualapai Mexican	E	2	U	Y	F	1	3
Wolf, gray (eastern population)	E, T, CH	3	I	Y	RU (2)	4	5C
Wolf, Mexican gray	E	2	I	Y	F	1	3C
Wolf, Northern Rocky Mountain gray	E	6	I	Y	RD	1	3C
Wolf, red	E	4	I	Y	RD (2)	3	5C
Woodrat, Key Largo	E	4	S	N	U	1	3C
Birds							
Akepa, Hawaii (honeycreeper)	E	1	S	Y	F	2	9
Akepa, Maui (honeycreeper)	E	1	E	Y	F	1	6
Akialoa, Kauai (honeycreeper)	E	1	E	Y	F	1	5
Akiapolaëau (honeycreeper)	E	1	D	Y	F	2	2
Blackbird, yellow-shouldered	E, CH	4	I	Y	RD	2	2C
Bobwhite, masked (quail)	E	2	I	Y	RD (2)	2	6
Broadbill, Guam	E	1	E	Y	F	1	5
Caracara, Audubon's crested (Florida pop.)	T	4	S	Y	F	1	12
Condor, California	E, CH	1	I	Y	RD (1)	2	4C
Coot, Hawaiian (=äalae-keëokeëo)	E	1	S	Y	RD (1)	3	15
Crane, Mississippi sandhill	E, CH	4	S	Y	RD (3)	1	6C
Crane, whooping	E, CH	2	I	Y	RD (2)	2	2C
Creeper, Hawaii	E	1	S	Y	F	2	8
Creeper, Molokai (=kakawahie)	E	1	U	Y	F	1	5
Creeper, Oahu (=alauwahio)	E	1	U	N	U	1	5
Crow, Hawaiian (=äalala)	E	1	S	Y	F	1	2C
Crow, Mariana	E	1	D	Y	F	1	2
Crow, white-necked	E	4	U	N	U	1	17
Curlew, Eskimo	E	7	U	NA	NA	1	5
Duck, Hawaiian (=koloa)	E	1	S	Y	RD	2	2
Duck, Laysan	E	1	S	Y	F	3	2
Eagle, bald	T	3	I	Y	RU (1)	4	14
Eider, spectacled	T	7	D	Y	F	1	5
Falcon, American peregrine	E, CH	1	I	Y	RD (1)	3	9
Falcon, northern aplomado	E	2	U	Y	F	1	3
Finch, Laysan (honeycreeper)	E	1	S	Y	F	3	8
Finch, Nihoa (honeycreeper)	E	1	S	Y	F	3	8
Flycatcher, southwestern willow	E	2	D	N	U	1	3C
Gnatcatcher, coastal California	T	1	S	N	U	1	3C
Goose, Aleutian Canada	T	7	I	Y	RD (2)	4	9
Goose, Hawaiian (=nene)	E	1	D	Y	F	2	2
Hawk, Hawaiian (=io)	E	1	S	Y	F	3	14
Hawk, Puerto Rican broad-winged	E	4	D	N	D	1	6
Hawk, Puerto Rican sharp-shinned	E	4	D	N	D	1	3
Honeycreeper, crested (=äakohekohe)	E	1	S	Y	F	2	7
Jay, Florida scrub	T	4	D	Y	F	1	3C
Kingfisher, Guam Micronesian	E	1	C	Y	F	1	3
Kite, Everglades snail	E, CH	4	S	Y	RD (4)	1	3C
Mallard, Mariana	E	1	E	N	D	1	5
Megapode, Micronesian (=Laysan Pouter)	E	1	U	N	U	1	8

Listed Species	Listing Status	Lead Region	Population Status	Recovery Plan	Plan Stage	Recovery Achieved	Recovery Priority
Millerbird, Nihoa (old world warbler)	E	1	S	Y	F	3	9
Monarch, Tinian (old world flycatcher)	T	1	S	NA	NA	4	14
Moorhen, Hawaiian common	E	1	S	Y	RD	2	C
Moorhen, Mariana common	E	1	S	Y	F	1	9
Murrelet, marbled	T	1	D	N	D	1	3
Nightjar (=whip-poor-will), Puerto Rican	E	4	S	Y	F	2	5C
Nukupū (honeycreeper)	E	1	D	Y	F	1	5
Oōo, Kauai (=ēoēoēāēā) (honeyeater)	E	1	E	Y	F	1	4
Oōu (honeycreeper)	E	1	U	Y	F	1	4
Owl, Mexican spotted	T	2	U	Y	F	1	9C
Owl, northern spotted	T, CH	1	D	N	D	1	9C
Palila (honeycreeper)	E, CH	1	S	Y	RD	3	1
Parrot, Puerto Rican	E	4	S	Y	RU (2)	1	2
Parrotbill, Maui (honeycreeper)	E	1	S	Y	F	1	1
Pelican, brown	E	1	I	Y	F	4	9
Petrel, Hawaiian dark-rumped	E	1	D	Y	F	2	9
Pigeon, Puerto Rican plain	E	4	S	Y	F	1	3C
Plover, piping (Atlantic coast)	T	5	I	Y	RD (1)	3	2C
Plover, piping (Great Lakes)	E	3	D	Y	RU (1)	1	5
Plover, piping (Northern Great Plains)	T	6	D	Y	RD (1)	1	2C
Plover, western snowy (Pacific coastal pop.)	T	1	D	N	U	1	3C
Po'ouli (honeycreeper)	E	1	D	Y	F	1	4
Prairie-chicken, Attwater's greater	E	2	D	Y	RD	1	3
Rail, California clapper	E	1	D	Y	RD (1)	1	3C
Rail, Guam	E	1	C	Y	F	1	2
Rail, light-footed clapper	E	1	S	Y	RD (1)	2	3
Rail, Yuma clapper	E	2	S	Y	F	3	6
Shearwater, Newell's Townsend's	T	1	D	Y	F	2	9
Shrike, San Clemente loggerhead	E	1	D	Y	RD (1)	2	9
Sparrow, Cape Sable seaside	E, CH	4	S	Y	F	2	12C
Sparrow, Florida grasshopper	E	4	D	Y	F	1	9
Sparrow, San Clemente sage	T	1	D	Y	F	2	9
Stilt, Hawaiian (=ae'eo)	E	1	S	Y	RD	3	9
Stork, wood	E	4	I	Y	RD	3	6C
Swiftlet, Mariana gray (=Vanikoro)	E	1	S	Y	F	1	9
Tern, California least	E	1	S	Y	RD (1)	3	3C
Tern, least (interior pop.)	E	3	S	Y	F	1	3C
Tern, roseate	E, T	5	S	Y	F	1	3
Thrush, large Kauai	E	1	D	Y	F	1	5
Thrush, Molokai (=oloma'eo)	E	1	D	Y	F	1	6
Thrush, small Kauai (=puaiohi)	E	1	D	Y	F	1	5
Towhee, Inyo California (=brown)	T, CH	1	I	N	U	1	9C
Vireo, black-capped	E	2	D	Y	F	1	2C
Vireo, least Bell's	E, CH	1	I	N	U	3	3C
Warbler, Bachman's	E	4	U	NA	NA	1	5
Warbler, golden-cheeked	E	2	D	Y	F	1	2C
Warbler, Kirtland's	E	3	I	Y	RD	3	5C
Warbler, nightingale reed	E	1	S	N	U	1	8

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White-eye, bridled	E	1	E	Y	F	1	6
Woodpecker, ivory-billed	E	4	E	NA	NA	1	18
Woodpecker, red-cockaded	E	4	I	Y	RU (2)	1	8C
Reptiles							
Anole, Culebra Island giant	E, CH	4	U	Y	F	1	5
Boa, Mona	T, CH	4	U	Y	F	1	3
Boa, Puerto Rican	E	4	S	Y	F	1	14
Boa, Virgin Islands tree	E	4	S	Y	F	1	3C
Crocodile, American	E, CH	4	S	Y	RD	2	2C
Gecko, Monito	E, CH	4	U	Y	F	1	5
Iguana, Mona ground	T, CH	4	S	Y	F	2	3
Lizard, blunt-nosed leopard	E	1	D	Y	RD	1	2C
Lizard, Coachella Valley fringe-toed	T, CH	1	D	Y	F	2	2C
Lizard, Island night	T	1	I	Y	F	2	8
Lizard, St. Croix ground	E, CH	4	U	Y	F	1	2C
Rattlesnake, New Mexican ridge-nosed	T, CH	2	S	Y	F	2	3
Skink, blue tail mole	T	4	D	Y	F	1	9
Skink, sand	T	4	D	Y	F	1	7
Snake, Atlantic salt marsh	T	4	D	Y	F	1	12
Snake, Concho water	T	2	S	Y	F	1	9C
Snake, eastern indigo	T	4	D	Y	F	1	12C
Snake, giant garter	T	1	U	N	U	1	2C
Snake, San Francisco garter	E	1	D	Y	F	1	3C
Tortoise, desert	T, CH	1	U	Y	F	1	8C
Tortoise, gopher	T	4	D	Y	F	1	9
Turtle, Alabama red-bellied	E	4	U	Y	F	1	5
Turtle, flattened musk	T	4	D	Y	F	1	14
Turtle, green sea	E, T	2	I	Y	RD	1	8
Turtle, hawksbill sea (=carey)	E, CH	2	U	Y	RD (1)	1	1C
Turtle, Kempís (=Atlantic) ridley sea	E	2	I	Y	RD	1	2C
Turtle, leatherback sea	E, CH	2	U	Y	RD	1	7
Turtle, loggerhead sea	T	2	U	Y	RD	1	7C
Turtle, olive ridley sea	E, T	2	D	Y	RD	1	8C
Turtle, Plymouth redbelly (=red-bellied)	E, CH	5	I	Y	RD (1)	2	9
Turtle, ringed map (=sawback)	T	4	S	Y	F	2	14
Turtle, yellow-blotched map (=sawback)	T	4	D	Y	F	1	14
Amphibians							
Coqui, golden	T, CH	4	D	Y	F	1	5C
Frog, California red-legged	T	1	D	N	U	1	3C
Salamander, Cheat Mountain	T	5	I	Y	F	3	8
Salamander, desert slender	E	1	U	Y	F	1	8
Salamander, Red Hills	T	4	S	Y	RU (1)	1	7
Salamander, San Marcos	T, CH	2	D	Y	RD	1	2C
Salamander, Santa Cruz long-toed	E	1	D	Y	RD	1	3
Salamander, Shenandoah	E	5	D	Y	F	1	8
Salamander, Texas blind	E	2	D	Y	F	1	5
Toad, arroyo southwestern	E	1	S	N	U	1	3
Toad, Houston	E, CH	2	D	Y	F	1	5C

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Toad, Puerto Rican crested	T	4	D	Y	F	1	2C
Toad, Wyoming	E	6	I	Y	F	1	3
Fishes							
Catfish, Yaqui	T, CH	2	D	Y	F	1	8
Cavefish, Alabama	E, CH	4	S	Y	RD (2)	1	1
Cavefish, Ozark	T	4	S	Y	RD	2	8
Chub, bonytail	E, CH	6	D	Y	RD	1	5C
Chub, Borax Lake	E, CH	1	D	Y	F	2	5
Chub, Chihuahua	T	2	I	Y	F	1	2
Chub, humpback	E, CH	6	S	Y	RD (2)	1	2C
Chub, Huttontui	T	1	S	N	U	1	9
Chub, Mohavetui	E	1	S	Y	F	1	9
Chub, Oregon	E	1	U	N	U	1	2
Chub, Owenstui	E	1	S	Y	RD (1)	1	6C
Chub, Pahrnagat roundtail (=bonytail)	E	1	D	Y	RD (1)	1	3
Chub, slender	T, CH	4	D	Y	F	1	11
Chub, Sonora	T, CH	2	S	Y	F	1	11
Chub, spotfin (=turquoise shiner)	T	4	U	Y	F	1	11
Chub, Virgin River	E	6	D	Y	F	1	3C
Chub, Yaqui	E, CH	2	S	Y	F	1	8
Cui-ui	E	1	I	Y	RD (2)	1	2C
Dace, Ash Meadows speckled	E, CH	1	D	Y	F	2	9
Dace, blackside	T	4	S	Y	F	1	11
Dace, Clover Valley speckled	E	1	S	N	U	1	9C
Dace, desert	T, CH	1	S	N	D	1	7C
Dace, Foskett speckled	T	1	D	N	U	2	9
Dace, Independence Valley speckled	E	1	U	N	U	1	6C
Dace, Kendall Warm Springs	E	6	S	Y	F	3	12
Dace, Moapa	E	1	I	Y	RD (1)	1	1
Darter, amber	E, CH	4	S	Y	F	1	5
Darter, bayou	T	4	S	Y	RD	1	8C
Darter, bluemask (=jewel)	E	4	S	N	D	1	5
Darter, boulder (=ElkRiver)	E	4	S	Y	F	1	5
Darter, Cherokee	T	4	S	N	U	1	8
Darter, duskytail	E	4	I	Y	F	1	5
Darter, Etowah	E	4	S	N	U	1	2
Darter, fountain	E, CH	2	D	Y	RD	1	2C
Darter, goldline	T	4	U	N	D	1	8
Darter, leopard	T, CH	2	S	Y	RD (1)	2	11C
Darter, Maryland	E, CH	5	U	Y	RD	1	5
Darter, Niangua	T, CH	3	U	Y	F	1	8
Darter, Okaloosa	E	4	D	Y	RU (1)	1	11
Darter, relict	E	4	S	N	D	1	5
Darter, slackwater	T, CH	4	U	Y	F	1	8
Darter, snail	T	4	U	Y	RD	1	11
Darter, watercress	E	4	S	Y	RD (2)	1	2
Gambusia, Big Bend	E	2	S	Y	F	2	2
Gambusia, Clear Creek	E	2	S	Y	F	2	2

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Gambusia, Pecos	E	2	S	Y	F	2	2
Gambusia, San Marcos	E, CH	2	E	Y	RD	1	2C
Goby, tidewater	E	1	S	N	U	1	7C
Logperch, Conasauga	E, CH	4	S	Y	F	1	5
Logperch, Roanoke	E	5	S	Y	F	1	5C
Madtom, Neosho	T	6	D	Y	F	1	11C
Madtom, pygmy	E	4	U	Y	F	1	5
Madtom, Scioto	E	3	U	NA	NA	1	2
Madtom, smoky	E, CH	4	I	Y	F	1	5
Madtom, yellowfin	T, CH	4	D	Y	F	1	11
Minnow, loach	T, CH	2	D	Y	F	1	4C
Minnow, Rio Grande silvery	T	2	D	N	U	1	2C
Poolfish, Pahrump	E	1	S	Y	F	4	8
Pupfish, Ash Meadows Amargosa	E, CH	1	I	Y	F	4	9
Pupfish, Comanche Springs	E	2	D	Y	F	1	2
Pupfish, desert	E, CH	2	S	Y	F	1	5
Pupfish, Devils Hole	E	1	S	Y	RD	3	8
Pupfish, Leon Springs	E, CH	2	D	Y	F	1	2
Pupfish, Owens	E	1	S	Y	RD (1)	1	5
Pupfish, Warm Springs	E	1	S	Y	RD	3	9
Sculpin, pygmy	T	4	S	Y	F	1	8
Shiner, beautiful	T, CH	2	D	Y	F	1	2
Shiner, blue	T	4	S	Y	F	1	8
Shiner, Cahaba	E	4	U	Y	F	1	2
Shiner, Cape Fear	E, CH	4	S	Y	F	1	5
Shiner, palezone	E	4	S	N	D	1	5
Shiner, Pecos bluntnose	T, CH	2	S	Y	F	3	3
Silverside, Waccamaw	T, CH	4	S	Y	F	1	8
Smelt, delta	T	1	D	N	D	1	2C
Spikedace	T, CH	2	D	Y	F	1	4C
Spinedace, Big Spring	T, CH	1	S	Y	F	1	12
Spinedace, Little Colorado	T, CH	2	D	N	D	1	2
Spinedace, White River	E, CH	1	I	Y	F	1	2C
Springfish, Hiko White River	E, CH	1	D	N	D	1	3C
Springfish, Railroad Valley	T, CH	1	S	N	D	1	2C
Springfish, White River	E, CH	1	S	N	D	1	3C
Squawfish, Colorado	E, CH	6	S	Y	RD	1	2C
Stickleback, unarmored threespine	E	1	U	Y	RD	1	3
Sturgeon, Gulf	T	4	U	Y	F	1	12
Sturgeon, Kootenai River white	E	1	D	N	D	1	3C
Sturgeon, pallid	E	6	D	Y	F	1	2C
Sucker, June	E, CH	6	D	N	D	1	5C
Sucker, Lost River	E	1	D	Y	F	1	1C
Sucker, Modoc	E, CH	1	D	NA	NA	1	5
Sucker, razorback	E, CH	6	D	N	D	1	5C
Sucker, shortnose	E	1	D	Y	F	1	2C
Sucker, Warner	T, CH	1	D	N	D	1	2C
Topminnow, Gila	E	2	D	Y	RD	2	2

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Topminnow, Yaqui	E	2	D	Y	RD	2	2
Trout, Apache (= Arizona)	T	2	S	Y	RD (2)	2	8
Trout, Gila	E	2	U	Y	RD (2)	2	2
Trout, greenback cutthroat	T	6	I	Y	RD (2)	3	15
Trout, Lahontan cutthroat	T	1	I	Y	F	3	9
Trout, Little Kern golden	T, CH	1	S	NA	NA	3	9
Trout, Paiute cutthroat	T	1	D	Y	F	1	9
Woundfin	E	6	D	Y	RD (2)	1	1C
Clams							
Acornshell, southern	E	4	D	N	D	1	5
Clubshell	E	5	D	Y	F	1	11
Clubshell, black (= Curtusí mussel)	E	4	D	Y	F	1	5C
Clubshell, ovate	E	4	D	N	D	1	5
Clubshell, southern	E	4	D	N	D	1	5
Combshell, southern (= penitent mussel)	E	4	D	Y	F	1	2C
Combshell, upland	E	4	D	N	D	1	5
Elktoe, Appalachian	E	4	U	Y	F	1	5
Fanshell	E	4	D	Y	F	1	5
Fatmucket, Arkansas	T	4	U	Y	F	1	8
Heelsplitter, Carolina	E	4	D	N	D	1	5
Heelsplitter, inflated	T	4	D	Y	F	1	8C
Kidneyshell, triangular	E	4	D	N	D	1	5
Lampmussel, Alabama	E	4	D	Y	F	1	5
Moccasinshell, Alabama	T	4	D	N	D	1	8
Moccasinshell, Coosa	E	4	D	N	D	1	5
Mucket, orange-nacre	T	4	D	N	D	1	8
Mussel, dwarf wedge	E	5	D	Y	F	1	5
Mussel, ring pink (= golf stick pearly)	E	4	D	Y	F	1	5
Mussel, winged maple leaf	E	3	S	N	D	1	5
Pearlshell, Louisiana	T	4	U	Y	F	2	8
Pearlymussel, Appalachian monkeyface	E	4	D	Y	F	1	5
Pearlymussel, birdwing	E	4	D	Y	F	1	4C
Pearlymussel, cracking	E	4	D	Y	F	1	4
Pearlymussel, Cumberland bean	E	4	D	Y	F	1	5C
Pearlymussel, Cumberland monkeyface	E	4	D	Y	F	1	5C
Pearlymussel, Curtisí	E	3	D	Y	F	1	6
Pearlymussel, dromedary	E	4	D	Y	F	1	4C
Pearlymussel, green-blossom	E	4	D	Y	F	1	6
Pearlymussel, Higginsí eye	E	3	U	Y	RU (1)	2	2
Pearlymussel, little-wing	E	4	D	Y	F	1	4
Pearlymussel, orange-foot pimpleback	E	4	D	Y	F	1	5
Pearlymussel, palelilliput	E	4	D	Y	F	1	5
Pearlymussel, pink mucket	E	4	D	Y	F	1	5
Pearlymussel, purple catís paw	E	4	D	Y	F	1	6
Pearlymussel, tubercled-blossom	E	4	E	Y	F	1	6
Pearlymussel, turgid-blossom	E	4	E	Y	F	1	5
Pearlymussel, white catís paw	E	3	D	Y	F	1	6
Pearlymussel, white wartyback	E	4	D	Y	F	1	5

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Pearlymussel, yellow-blossom	E	4	E	Y	F	1	6
Pigtoe, Cumberland	E	4	D	Y	F	1	5
Pigtoe, dark	E	4	D	N	D	1	5
Pigtoe, fine-rayed	E	4	D	Y	F	1	5
Pigtoe, flat (=Marshallis mussel)	E	4	D	Y	F	1	5
Pigtoe, heavy (=Judge Taitis mussel)	E	4	D	Y	F	1	5C
Pigtoe, rough	E	4	D	Y	F	1	5
Pigtoe, shiny	E	4	D	Y	F	1	5
Pigtoe, southern	E	4	D	N	D	1	5
Pocketbook, fat	E	4	I	Y	RD	2	2C
Pocketbook, fine-lined	T	4	D	N	D	1	8
Pocketbook, speckled	E	4	U	Y	F	1	5
Riffleshell, northern	E	5	D	Y	F	1	12
Riffleshell, tan	E	4	D	Y	F	1	5
Rock-pocketbook, Ouachita	E	2	D	N	D	1	4C
Spinymussel, James River (=Virginia)	E	5	D	Y	F	1	5
Spinymussel, Tar River	E	4	D	Y	RD	1	5
Stirrupshell	E	4	D	Y	F	1	5
Snails							
Ambersnail, Kanab	E	6	D	Y	F	1	6C
Limpet, Banbury Springs	E	1	S	Y	F	1	8
Marstonia (snail), royal (=obese)	E	4	S	Y	F	1	5
Riversnail, Anthonyis	E	4	S	N	D	1	5
Shagreen, Magazine Mountain	T	4	S	Y	F	1	8
Snail, Bliss Rapids	T	1	S	Y	F	1	7C
Snail, Chittenango ovate amber	T	5	D	Y	RD (1)	1	5
Snail, flat-spined three-toothed	T	5	S	Y	F	2	5
Snail, Iowa Pleistocene	E	3	U	Y	F	2	5
Snail, Morro shoulderband (=Banded dune)	E	1	U	N	D	1	2
Snail, noonday	T	4	S	Y	F	1	9
Snail, painted snake coiled forest	T	4	U	Y	F	1	8
Snail, Snake River physa	E	1	D	Y	F	1	5C
Snail, Stock Island tree	T	4	D	Y	F	1	3
Snail, tulotoma (=Alabama live-bearing)	E	4	I	N	D	1	5
Snail, Utah valvata	E	1	S	Y	F	1	5
Snail, Virginia fringed mountain	E	5	S	Y	F	1	4
Snails, Oahu tree (29-41spp.)	E	1	D	Y	F	1	2
Springsnail, Alamosa	E	2	U	Y	F	1	14
Springsnail, Bruneau Hot	E	1	S	N	D	1	8
Springsnail, Idaho	E	1	S	Y	F	1	5C
Springsnail, Socorro	E	2	S	Y	F	1	14
Insects							
Beetle, American burying (=giant carrion)	E	5	S	Y	F	1	5C
Beetle, Coffin Cave mold	E	2	U	Y	F	1	2C
Beetle, delta green ground	T, CH	1	U	Y	F	1	8
Beetle, Hungerfordis crawling water	E	3	U	N	U	1	5C
Beetle, Kretschmarr Cave mold	E	2	U	Y	F	1	2C
Beetle, northeastern beach tiger	T	5	D	Y	F	1	6

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Beetle, Puritan tiger	T	5	S	Y	F	1	5
Beetle, Tooth Cave ground	E	2	U	Y	F	1	2C
Beetle, valley elderberry longhorn	T, CH	1	U	Y	F	1	9
Butterfly, bay checkerspot	T	1	D	N	D	1	3C
Butterfly, El Segundo blue	E	1	D	Y	F	1	12
Butterfly, Karner blue	E	3	I	N	U	1	5
Butterfly, Langeís metalmark	E	1	S	Y	R (1)	1	9
Butterfly, lotis blue	E	1	U	Y	F	1	3
Butterfly, mission blue	E	1	S	Y	F	2	9
Butterfly, Mitchellís satyr	E	3	S	N	D	1	3
Butterfly, Myrtleís silverspot	E	1	S	N	D	1	9
Butterfly, Oregon silverspot	T	1	D	Y	F	2	3C
Butterfly, Palos Verdes blue	E, CH	1	D	Y	F	1	6
Butterfly, Saint Francisí satyr	E	4	D	Y	F	1	3
Butterfly, San Bruno elfin	E	1	S	Y	F	2	9
Butterfly, Schaus swallowtail	E	4	D	Y	F	1	3C
Butterfly, Smithís blue	E	1	D	Y	F	1	9
Butterfly, Uncompahgre fritillary	E	6	I	Y	F	3	5C
Dragonfly, Hineís (=Ohio) emerald	E	3	D	N	D	1	5
Fly, Delhi Sands flower-loving	E	1	D	N	D	1	6C
Moth, Kern primrose sphinx	T	1	U	Y	F	1	2
Naucorid, Ash Meadows	T, CH	1	I	Y	F	2	2
Skipper, Pawnee montane	T	6	S	N	D	2	9C
Arachnids							
Harvestman, Bee Creek Cave	E	2	U	Y	F	1	2C
Harvestman, Bone (=Bee Creek) Cave	E	2	U	Y	F	1	2C
Pseudoscorpion, Tooth Cave	E	2	U	Y	F	1	2C
Spider, spruce-fir moss	E	4	U	N	U	1	5
Spider, Tooth Cave	E	2	U	Y	F	1	2C
Crustaceans							
Amphipod, Hayís Spring	E	5	S	NA	NA	3	5
Crayfish, cave (Cambarus aculabrum) [NCN]	E	4	S	N	D	1	5
Crayfish, cave (Cambarus zophonastes)	E	4	S	Y	F	1	5
Crayfish, Nashville	E	4	U	Y	RD	1	11C
Crayfish, Shasta (=placid)	E	1	D	N	U	1	2
Fairy shrimp, Conservancy	E	1	U	N	U	1	8
Fairy shrimp, longhorn	E	1	U	N	U	1	8
Fairy shrimp, Riverside	E	1	D	N	U	1	6C
Fairy shrimp, vernal pool	T	1	D	N	U	1	2C
Isopod, Lee County cave	E	5	S	N	U	1	8
Isopod, Madison Cave	T	5	S	N	U	2	4
Isopod, Socorro	E	2	S	Y	F	4	2
Shrimp, Alabama cave	E	4	S	N	D	1	5
Shrimp, California freshwater	E	1	U	N	U	1	8C
Shrimp, Kentucky cave	E, CH	4	U	Y	F	1	5
Shrimp, Squirrel Chimney Cave	T	4	D	NA	NA	1	5C
Tadpoleshrimp, vernal pool	E	1	D	N	U	1	2C

Listed Species	Listing Status	Lead Region	Population Status	Recovery Plan	Plan Stage	Recovery Achieved	Recovery Priority
Plants							
Aëe	E	1	U	Y	F	1	2
Abutilon eremitopetalum [NCN]	E	1	S	Y	F	1	2
Abutilon sandwicense [NCN]	E	1	S	Y	F	1	8
Adiantum vivesii [NCN]	E	4	D	Y	F	1	5
Agave, Arizona	E	2	U	N	U	1	5
Aiakeakua, popolo	E	1	U	Y	F	1	2
Aiea (Nothocestrum breviflorum)	E	1	U	Y	F	1	5
Aiea (Nothocestrum peltatum)	E	1	U	Y	F	1	5
Akoko (Chamaesyce celastroides kaenana)	E	1	S	Y	F	1	9
Akoko (Chamaesyce deppeana)	E	1	D	Y	F	1	5
Akoko (Chamaesyce kuwaleana)	E	1	U	Y	F	1	8
Akoko, Ewa Plains	E	1	S	N	D	1	9
Alani (Melicope adscendens)	E	1	S	N	D	1	5
Alani (Melicope balloui)	E	1	S	N	D	1	5
Alani (Melicope haupuensis)	E	1	D	Y	F	1	5
Alani (Melicope knudsenii)	E	1	D	Y	F	1	5
Alani (Melicope lydgatei)	E	1	D	Y	F	1	5
Alani (Melicope mucronulata)	E	1	U	N	D	1	5
Alani (Melicope ovalis)	E	1	U	N	D	1	5
Alani (Melicope pallida)	E	1	U	Y	F	1	5
Alani (Melicope quadrangularis)	E	1	U	Y	F	1	5
Alani (Melicope reflexa)	E	1	U	Y	F	1	8
Alsinidendron obovatum [NCN]	E	1	D	Y	F	1	5
Alsinidendron trinerve [NCN]	E	1	D	Y	F	1	5
Amaranth, seabeach	T	4	D	N	D	1	8C
Amaranthus brownii [NCN]	E	1	S	N	U	1	5
Ambrosia, south Texas	E	2	U	N	U	1	8
Amphianthus, little	T	4	S	Y	F	1	13
Aristida chaseae [NCN]	E	4	D	Y	F	1	5C
Arrowhead, bunched	E	4	D	Y	F	1	2C
Asplenium fragile var. insularae [NCN]	E	1	S	N	U	1	6C
Aster, decurrent false	T	3	S	Y	F	1	8
Aster, Florida golden	E	4	S	Y	F	1	5
Aster, Ruthís golden	E	4	D	Y	F	1	5C
Auerodendron pauciflorum [NCN]	E	4	D	N	D	1	5
Aupaka (Isodendrion hosakae)	E	1	D	Y	F	1	5
Avens, spreading	E	4	D	Y	F	1	2
Awikiwiki	E	1	U	Y	F	1	2
Awiwi (Centaurium sebaeoides)	E	1	S	Y	F	1	2
Awiwi (Hedyotis cookiana)	E	1	U	Y	F	1	5
Ayenia, Texas	E	2	U	N	U	1	5
Barberry, Truckee	E	1	U	Y	F	1	12
Bariaco	E	4	S	Y	F	1	11
Beaked-rush, Knieskernís	T	5	S	Y	F	3	14
Bear-poppy, dwarf	E	6	D	Y	F	1	5C
Beardtongue, Penland	E	6	S	Y	F	2	14
Beargrass, Brittonís	E	4	D	Y	F	1	8

Listed Species	Listing Status	Lead Region	Population Status	Recovery Plan	Plan Stage	Recovery Achieved	Recovery Priority
Beauty, Harperís	E	4	I	Y	F	1	7
Bellflower, Brooksville	E	4	U	Y	F	1	8
Birch, Virginia round-leaf	T	5	I	Y	R (2)	3	8
Birdís-beak, palmate-bracted	E	1	S	N	D	1	2C
Birdís-beak, Pennellís	E	1	U	N	D	1	2
Birdís-beak, salt marsh	E	1	S	Y	F	2	6
Birds-in-a-nest, white	T	4	U	Y	F	1	8
Bittercress, small-anthered	E	4	D	Y	F	1	5
Bladderpod, Dudley Bluffs	T	6	S	Y	F	1	14
Bladderpod, kodachrome	E	6	S	N	U	1	11
Bladderpod, lyrate	T	4	S	N	D	1	8
Bladderpod, Missouri	E	3	S	Y	F	3	8
Bladderpod, San Bernardino Mountain	E	1	D	N	D	1	9
Bladderpod, white	E	2	S	Y	F	1	8
Blazingstar, Ash Meadows	T, CH	1	U	Y	F	2	8
Blazingstar, Hellerís	T	4	I	Y	F	2	8
Blazingstar, scrub	E	4	U	Y	F	2	2
Blue-star, Kearneyís	E	2	U	Y	F	2	2
Bluegrass, Hawaiian	E	1	U	Y	F	1	5
Bluegrass, Mannís	E	1	D	Y	F	1	5
Bluet, Roan Mountain	E	4	D	Y	F	1	6
Bonamia menziesii [NCN]	E	1	U	N	D	1	5
Bonamia, Florida	T	4	I	Y	RD	3	8
Boxwood, Vahlís	E	4	D	Y	F	1	5
Broom, San Clemente Island	E	1	I	Y	F	2	9
Buckwheat, cushenbury	E	1	D	N	D	1	9
Buckwheat, scrub	T	4	D	Y	F	1	15
Buckwheat, steamboat	E	1	D	Y	F	1	3
Bulrush, Northeastern (=barbed bristle)	E	5	I	Y	F	3	2C
Bush-clover, prairie	T	3	I	Y	F	3	8
Bush-mallow, San Clemente Island	E	1	I	Y	F	2	2
Buttercup, autumn	E	6	D	Y	F	1	6
Butterwort, Godfreyís	T	4	S	Y	F	1	14
Button, Mohrís Barbara	T	4	I	Y	F	1	14
Button-celery, San Diego	E	1	D	N	D	1	3C
Cactus, Arizona hedgehog	E	2	U	N	D	1	3
Cactus, Bakersfield	E	1	S	N	D	1	2
Cactus, blacklace	E	2	D	Y	F	1	3
Cactus, Brady pincushion	E	2	U	Y	F	1	2
Cactus, bunched cory	T	2	D	Y	F	1	8
Cactus, Chisos Mtn. hedgehog	T	2	D	Y	F	1	9
Cactus, Cochise pincushion	T	2	U	Y	F	1	8
Cactus, Keytree	E	4	S	Y	F	3	5C
Cactus, Knowlton	E	2	S	Y	F	2	2
Cactus, Kuenzler hedgehog	E	2	S	Y	F	1	3
Cactus, Lee pincushion	T	2	S	Y	F	2	3
Cactus, Lloydís hedgehog	E	2	U	NA	NA	1	8
Cactus, Lloydís Mariposa	T	2	S	Y	F	1	2

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Cactus, Mesa Verde	T	2	S	Y	F	1	8C
Cactus, Nellie cory	E	2	U	Y	F	1	2
Cactus, Nicholis Turkís head	E	2	U	Y	F	1	3
Cactus, Peebles Navajo	E	2	U	Y	F	1	3
Cactus, Pima pineapple	E	2	U	N	U	1	3
Cactus, San Rafael	E	6	D	N	D	1	7
Cactus, Siler pincushion	T	2	U	Y	F	2	8
Cactus, Sneed pincushion	E	2	D	Y	F	2	9
Cactus, star	E	2	U	N	D	1	2
Cactus, Tobusch fishhook	E	2	U	Y	F	1	2
Cactus, Unita Basin hookless	T	6	S	Y	F	3	8
Cactus, Wright fishhook	E	6	S	Y	F	3	8
Calypttranthes thomasiana [NCN]	E	4	D	N	D	1	11
Campion, fringed	E	4	D	N	D	1	8
Capa rosa	E	4	S	Y	F	1	11
Catís-eye, Terlingua Creek	E	2	U	Y	F	1	5C
Ceanothus, coyote	E	1	U	N	D	2	14
Centaury, spring-loving	T, CH	1	I	Y	F	4	8
Chaff-flower, round-leaved	E	1	S	N	D	1	3
Chaffseed, American	E	5	S	Y	F	1	7
Chamaecrista glandulosa var. mirabilis	E	4	D	Y	F	1	2
Chamaesyce halemanui [NCN]	E	1	S	Y	F	1	5
Checker-mallow, Nelsonís	T	1	D	N	D	1	8C
Checker-mallow, pedate	E	1	D	N	D	1	5C
Chumbo, higo	T	4	S	N	D	1	14
Chupacallos (=Chupagallo)	E	4	D	N	U	1	8
Cinquefoil, Robbinsí	E, CH	5	S	Y	F	4	2
Cladonia, Florida perforate	T	4	S	Y	F	1	2
Clarkia, Pismo	E	1	D	N	D	1	9
Clarkia, Presidio	E	1	U	N	D	1	5
Cliff-rose, Arizona	E	2	U	Y	F	1	2
Clover, running buffalo	E	3	I	Y	F	3	2
Cobana, negra	T	4	S	N	D	1	5
Coneflower, smooth	E	4	D	Y	F	1	5
Coneflower, Tennessee purple	E	4	I	Y	R (1)	2	8
Cranichis ricartii [NCN]	E	4	D	Y	F	1	5
Cress, toad-flax	E	6	D	Y	F	1	10C
Cycladenia, Jones	T	6	S	N	U	1	9
Cypress, Santa Cruz	E	1	S	N	D	2	2
Daisy, lakeside	T	3	S	Y	F	2	8
Daisy, Maguire	T	6	S	Y	F	4	14
Daisy, Parishís	T	1	D	N	U	1	8
Daphnopsis hellerana [NCN]	E	4	D	Y	F	1	5
Dawn-flower, Texas prairie	E	2	S	Y	F	1	8C
Delissea rhytidosperra [NCN]	E	1	U	Y	F	1	5
Diellia, asplenium-leaved	E	1	U	N	D	1	2
Diellia falcata (Fern, NCN)	E	1	U	Y	F	1	8
Diellia pallida (Fern, NCN)	E	1	U	Y	F	1	5

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Diellia unisora [NCN]	E	1	U	Y	F	1	11
Diplazium molokaiense [NCN]	E	1	D	N	U	1	5
Dogweed, ashy	E	2	D	Y	F	1	5
Dropwort, Canbyís	E	4	S	Y	F	2	5
Dudleya, Santa Clara Valley	E	1	D	N	D	1	2C
Dwarf-flax, Marin	T	1	U	N	D	1	8C
Elaphoglossum serpens [NCN]	E	4	U	Y	F	1	5
Erubia	E	4	D	Y	F	1	2C
Eugenia woodburyana [NCN]	E	4	D	N	D	1	5
Evening-primrose, Antioch Dunes	E, CH	1	D	Y	R (1)	2	12
Evening-primrose, Eureka Valley	E	1	S	Y	F	3	9
Evening-primrose, San Benito	T	1	D	N	D	1	5C
Fern, Alabama streak-sorus	T	4	S	N	D	1	9
Fern, Aleutian shield	E	7	S	Y	F	1	8
Fern, American hartís-tongue	T	4	D	Y	F	1	9
Fern, Elfin tree	E	4	D	Y	F	1	5
Fern, pendant kihi	E	1	S	N	D	1	11
Fiddleneck, Large-flowered	E, CH	1	D	N	D	1	5
Fleabane, Rhizome	T	2	S	Y	F	2	8
Four-o'clock, MacFarlaneís	T	1	S	Y	F	1	2
Frankenia, Johnstonís	E	2	I	Y	F	1	5
Gahnia lanaiensis [NCN]	E	1	S	Y	F	1	5
Gardenia, Hawaiian (naëu)	E	1	S	Y	R (1)	1	2
Geocarpon minimum [NCN]	T	4	S	Y	F	1	13
Gerardia, sandplain	E	5	S	Y	F	1	5C
Gesneria pauciflora [NCN]	T	4	D	N	D	1	11
Gilia, Monterey	E	1	D	N	D	1	3C
Goetzea, beautiful (matabuey)	E	4	D	Y	F	1	5
Goldenrod, BlueRidge	T	4	U	Y	F	1	8
Goldenrod, Houghtonís	T	3	S	N	D	1	8
Goldenrod, Shortís	E	4	S	Y	RD (1)	2	8
Goldenrod, white-haired	T	4	S	Y	F	1	8
Goldfields, Burkeís	E	1	D	N	U	1	2C
Gooseberry, Miccosukee (Florida)	T	4	S	NA	NA	1	14
Gouania hillebrandii [NCN]	E, CH	1	S	Y	F	1	8
Gouania meyenii [NCN]	E	1	U	Y	F	1	8
Gouania vitifolia [NCN]	E	1	U	Y	F	1	5
Gourd, Okeechobee	E	4	S	N	D	1	3
Grass, California Orcutt	E	1	D	N	D	1	5C
Grass, Eureka Dune	E	1	S	Y	F	3	7
Grass, Solano	E	1	U	Y	F	1	2
Grass, Tennessee yellow-eyed	E	4	I	Y	F	1	8
Ground-plum, Guthrieís	E	4	U	N	U	1	2
Groundsel, San Francisco Peaks	T, CH	2	U	Y	F	2	8
Gumplant, Ash Meadows	T, CH	1	I	Y	F	4	8
Haëiwale (Cyrtandra crenata)	E	1	D	Y	F	1	5
Haëiwale (Cyrtandra giffardii)	E	1	U	Y	F	1	2
Haëiwale (Cyrtandra limahuliensis)	T	1	U	Y	F	1	14

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Haëiwale (<i>Cyrtandra munroi</i>)	E	1	U	Y	F	1	5
Haëiwale (<i>Cyrtandra polyantha</i>)	E	1	D	Y	F	1	5
Haëiwale (<i>Cyrtandra tintinnabula</i>)	E	1	U	Y	F	1	5
Haha (<i>Cyanea asarifolia</i>)	E	1	U	Y	F	1	5
Haha (<i>Cyanea copelandii copelandii</i>)	E	1	D	Y	F	1	6
Haha (<i>Cyanea crispa</i> (=Rollandiac))	E	1	U	Y	F	1	5
Haha (<i>Cyanea grimesiana obatae</i>)	E	1	D	Y	F	1	6
Haha (<i>Cyanea hamatiflora carlsonii</i>)	E	1	U	Y	F	1	6
Haha (<i>Cyanea lobata</i>)	E	1	U	N	D	1	5
Haha (<i>Cyanea macrostegia</i> ssp. <i>gibsonii</i>)	E	1	U	Y	F	1	6
Haha (<i>Cyanea mannii</i>)	E	1	U	Y	F	1	2
Haha (<i>Cyanea mceldowneyi</i>)	E	1	U	N	D	1	2
Haha (<i>Cyanea pinnatifida</i>)	E	1	D	Y	F	1	5
Haha (<i>Cyanea procera</i>)	E	1	U	Y	F	1	5
Haha (<i>Cyanea shipmannii</i>)	E	1	D	Y	F	1	2
Haha (<i>Cyanea stictophylla</i>)	E	1	U	Y	F	1	2
Haha (<i>Cyanea truncata</i>)	E	1	D	Y	F	1	5
Haha, (<i>Cyanea superba</i>)	E	1	U	Y	F	1	5
Haha, (<i>Cyanea undulata</i>)	E	1	U	Y	F	1	11
Haplostachya, narrow-leaved	E	1	U	N	D	1	2
Harebells, Avon Park	E	4	D	Y	F	1	2C
Harperella	E	5	S	Y	F	1	8
Heartleaf, dwarf-flowered	T	4	I	N	U	3	14
Heather, mountain golden	T, CH	4	I	Y	F	3	8
Heau	E	1	U	Y	F	1	5
Hedyotis degeneri [NCN]	E	1	U	Y	F	1	5
Hedyotis parvula [NCN]	E	1	U	Y	F	1	5
Hedyotis, Na Pali beach	E	1	U	Y	F	1	8
Hesperomannia arborescens [NCN]	E	1	U	Y	F	1	5
Hesperomannia arbuscula [NCN]	E	1	U	Y	F	1	5
Hesperomannia lydgatei [NCN]	E	1	U	Y	F	1	11
Hibiscus, Clayís	E	1	U	Y	F	1	5
Higuero de Sierra	E	4	S	Y	F	1	5
Holei	E	1	E	Y	F	1	5
Holly, Cookís	E	4	D	Y	F	1	5
Howellia, water	T	6	I	N	D	1	7
Hypericum, highlands scrub	E	4	D	Y	F	3	2
Ihiëihi	E	1	S	Y	F	1	8
Ilex sintenisii [NCN]	E	4	S	Y	F	1	11
Iliau, dwarf	E	1	U	Y	F	1	2
Indian paintbrush, San Clemente Island	E	1	I	Y	F	1	8
Ipomopsis, Holy Ghost	E	2	U	N	U	1	5
Iris, dwarf lake	T	3	S	N	U	1	8
Irisette, white	E	4	D	Y	F	1	8
Ischaemum, Hilo	E	1	S	Y	F	1	8
Ivesia, Ash Meadows	T	1	S	Y	F	2	8
Jacquemontia, beach	E	4	U	N	D	1	2
Jewelflower, California	E	1	S	N	D	2	8

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Jewelflower, Metcalf Canyon	E	1	D	N	D	1	3C
Jewelflower, Tiburon	E	1	U	N	D	1	2C
Joint-vetch, sensitive	T	5	S	Y	F	1	2
Kamakahala (Labordia lydgatei)	E	1	U	Y	F	1	11
Kauai hau kuahiwi	E	1	U	Y	F	1	2
Kaula	E	1	D	Y	F	1	5
Kaulu	E	1	U	Y	F	1	8
Kioöele	E	1	U	N	D	1	2
Koöokoöolau (Bidens micrantha kalealaha)	E	1	U	N	D	1	9
Koöokoöolau (Bidens wiebkei)	E	1	U	Y	F	1	2
Koöoloaëula	E	1	S	Y	F	1	2
Kokiöo (=hau-heleëula or Hawaii tree cotton)	E, CH	1	D	Y	F	1	2
Kokiöo keöokeöo	E	1	D	Y	F	1	3
Kokio, Cookeís	E	1	C	NA	NA	1	5
Kuahiwi, laukahi (Plantago hawaiiensis)	E	1	S	Y	F	1	5
Kuahiwi, laukahi (Plantago princeps)	E	1	D	N	D	1	5
Kula, wahine noho	E	1	U	Y	F	1	2
Kuluëi	E	1	S	Y	F	1	8
Ladiesí-tresses, Navasota	E	2	D	Y	F	1	2
Ladiesí-tresses, Ute	T	6	D	N	D	1	2C
Lagu, Hyan	E	1	D	Y	F	1	2
Larkspur, San Clemente Island	E	1	I	Y	F	2	8
Layia, beach	E	1	S	N	D	1	2
Lead-plant, Crenulate	E	4	D	Y	F	2	5C
Leather-flower, Alabama	E	4	S	Y	F	1	2
Leather-flower, Morefieldís	E	4	D	Y	F	1	2
Lepanthes eltoroensis [NCN]	E	4	S	Y	F	1	5
Leptocereus grantianus [NCN]	E	4	D	Y	F	1	5C
Lichen, rock gnome	E	4	D	N	D	1	5
Liliwai	E	1	E	N	D	1	5
Lily, Minnesota dwarftrout	E	3	I	Y	F	3	8
Lily, Western	E	1	D	N	U	1	2
Lipochaeta venosa [NCN]	E	1	D	Y	F	1	5
Liveforever, Santa Barbara Island	E	1	S	Y	F	1	8C
Lobelia niuhauensis [NCN]	E	1	U	Y	F	1	8
Lobelia oahuensis [NCN]	E	1	D	Y	F	1	5
Locoweed, Fassettís	T	3	I	Y	F	2	9
Lomatium, Bradshawís	E	1	I	Y	F	1	8
Loosestrife, rough-leaved	E	4	U	Y	F	1	8
Loulu (Pritchardia affinis)	E	1	U	Y	F	1	5
Loulu (Pritchardia munroi)	E	1	S	Y	F	1	5
Loulu (Pritchardia remota)	E	1	S	N	U	1	2
Lousewort, Furbish	E	5	S	Y	R (1)	3	14
Lupine, clover	E	1	S	N	D	1	5C
Lupine, scrub	E	4	D	Y	F	2	2C
Lyonia truncata var. proctorii [NCN]	E	4	D	Y	F	1	6C
Lysimachia filifolia [NCN]	E	1	U	Y	F	1	2
Lysimachia lydgatei [NCN]	E	1	U	N	D	1	2

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Maëo hau hele (=hibiscus, native yellow)	E	1	U	N	D	1	1
Maëoliëoli (Schiedea apokremnos)	E	1	U	Y	F	1	8
Mahoe (Alectryon macrococcus)	E	1	D	N	D	1	5
Makou	T	1	U	Y	F	1	8
Mallow, Kern	E	1	S	N	D	1	2
Mallow, Peterís Mountain	E	5	I	Y	F	3	5
Manaca, palma de	T	4	S	Y	F	2	8
Manioc, Walkerís	E	2	U	Y	F	1	5
Manzanita, Morro	T	1	S	N	D	1	2C
Manzanita, Presido (=Ravenís)	E	1	S	Y	F	1	12
Mariposa lily, Tiburon	T	1	U	N	D	1	14
Mariscus fauriei [NCN]	E	1	U	Y	F	1	14
Mariscus pennatifolius [NCN]	E	1	U	N	D	1	5
Maua (Xylos macrenatum)	E	1	U	Y	F	1	5
Meadowfoam, Butte County	E	1	D	N	U	1	2C
Meadowfoam, Sebastopol	E	1	D	N	U	1	2C
Meadowrue, Cooleyís	E	4	S	Y	F	2	2
Mehamehame	E	1	D	N	D	1	5
Mesa-mint, Otay	E	1	D	N	D	1	2C
Mesa-mint, San Diego	E	1	D	Y	F	1	5
Milk-vetch, Applegateís	E	1	D	N	U	1	5
Milk-vetch, Ash meadows	T, CH	1	S	Y	F	2	8
Milk-vetch, Cushenbury	E	1	D	N	D	1	8
Milk-vetch, heliotrope	T, CH	6	U	N	D	1	14
Milk-vetch, Jesupís	E	5	S	Y	F	1	12
Milk-vetch, Mancos	E	2	S	Y	F	1	5C
Milk-vetch, Osterhout	E	6	D	Y	F	2	2
Milk-vetch, Sentry	E	2	U	N	D	1	3
Milkpea, Smallís	E	4	D	Y	F	1	5C
Milkweed, Meadís	T	3	D	N	U	1	8
Milkweed, Welshís	T, CH	6	D	Y	F	1	11C
Mint, Garrettís (=scrub, in part)	E	4	D	Y	F	1	2C
Mint, Lakelaís	E	4	D	Y	F	2	2C
Mint, longspurred	E	4	D	Y	F	1	2C
Mint, scrub	E	4	D	Y	F	1	2
Mitracarpus maxwelliae [NCN]	E	4	D	N	D	1	5
Mitracarpus polycladus [NCN]	E	4	S	N	D	1	5
Monkey-flower, Michigan	E	3	S	N	D	1	9C
Monkshood, northern wild	T	3	S	Y	RD (1)	3	8
Mountain balm, Indian Knob	E	1	S	N	D	1	2C
Munroidendron racemosum [NCN]	E	1	U	Y	F	1	5
Mustard, Carterís	E	4	D	Y	F	1	2
Mustard, Penland alpine fen	T	6	U	N	U	1	11C
Mustard, slender-petaled	E	1	D	N	D	1	5C
Myrcia paganii [NCN]	E	4	U	Y	F	1	8
Naënaëe (Dubautia herbstobatae)	E	1	U	Y	F	1	8
Naënaëe (Dubautia latifolia)	E	1	U	Y	F	1	5
Naënaëe (Dubautia pauciflora)	E	1	U	Y	F	1	8

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Naupaka, dwarf	E	1	S	N	U	1	2
Nehe (<i>Lipochaeta fauriei</i>)	E	1	U	Y	F	1	5
Nehe (<i>Lipochaeta kamolensis</i>)	E	1	U	N	D	1	2
Nehe (<i>Lipochaeta lobata leptophylla</i>)	E	1	U	Y	F	1	6
Nehe (<i>Lipochaeta micrantha</i>)	E	1	U	Y	F	1	8
Nehe (<i>Lipochaeta tenuifolia</i>)	E	1	U	Y	F	1	8
Nehe (<i>Lipochaeta waimeaensis</i>)	E	1	U	Y	F	1	2
<i>Neraudia angulata</i> [NCN]	E	1	U	Y	F	1	5
<i>Neraudia sericea</i> [NCN]	E	1	U	N	D	1	5
Nioi	E	1	D	Y	F	1	5
Niterwort, Amargosa	E, CH	1	S	Y	F	2	8
Nohoanu (<i>Geranium arboreum</i>)	E	1	U	N	D	1	2
Nohoanu (<i>Geranium multiflorum</i>)	E	1	U	N	D	1	8
Oak, Hinckley	T	2	U	Y	F	1	8
Oha wai (<i>Clermontia lindseyana</i>)	E	1	I	Y	F	1	2
Oha wai (<i>Clermontia oblongifolia brevipes</i>)	E	1	U	N	D	1	6
Oha wai (<i>Clermontia oblongifolia mauiensis</i>)	E	1	U	N	D	1	6
Oha wai (<i>Clermontia peleana</i>)	E	1	U	Y	F	1	5
Oha wai (<i>Clermontia pyrularia</i>)	E	1	U	Y	F	1	2
Ohai	E	1	S	N	D	1	8
Oheōhe	E	1	D	Y	F	1	5
Olulu	E	1	D	Y	F	1	2
Opuhe	E	1	U	Y	F	1	5
Orchid, eastern prairie fringed	T	3	U	N	D	1	8
Orchid, western prairie fringed	T	3	S	Y	F	2	8
<i>Oxytheca cushenbury</i>	E	1	D	N	D	1	9
Paintbrush, Tiburon	E	1	U	N	D	1	8C
Palo colorado	E	4	S	Y	F	1	11
Palo de jazmin	E	4	D	Y	F	1	5
Palo de Nigua	E	4	D	Y	F	1	5
Palo de Ramon	E	4	D	Y	F	1	5
Pamakani (<i>Tetramolopium capillare</i>)	E	1	U	N	D	1	2
Pamakani (<i>Viola chamissoniana chamissoniana</i>)	E	1	U	Y	F	1	3
Panicgrass, Carterís	E, CH	1	S	N	D	1	9
Pauēala	E	1	S	Y	F	1	2
Pauoa	E	1	S	Y	F	1	5
Pawpaw, beautiful	E	4	D	Y	F	1	2
Pawpaw, four-petal	E	4	D	Y	F	2	11
Pawpaw, Rugelís	E	4	D	Y	F	1	2
Pelos del diablo	E	4	D	Y	F	1	5C
Pennyroyal, Todsenís	E, CH	2	I	Y	RD	1	8
Penstemon, blowout	E	6	S	Y	F	2	11C
Pentachaeta, white-rayed	E	1	U	N	D	1	8
Peperomia, Wheelerís	E	4	S	Y	F	1	5
Phacelia, clay	E	6	D	Y	F	1	5
Phacelia, North Park	E	6	U	Y	F	2	5
Phlox, Texas trailing	E	2	S	Y	F	1	3
<i>Phyllostegia glabra</i> var. <i>lanaiensis</i> [NCN]	E	1	U	Y	F	1	6

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Phyllostegia mannii [NCN]	E	1	U	Y	F	1	5
Phyllostegia mollis [NCN]	E	1	U	Y	F	1	5
Phyllostegia waimeae [NCN]	E	1	U	Y	F	1	5
Pilo	E	1	U	Y	F	1	5
Pink, swamp	T	5	D	Y	F	1	7C
Pinkroot, gentian	E	4	D	N	U	1	2
Pitaya, Davisí green	E	2	D	Y	F	1	3
Pitcher-plant, Alabama canebrake	E	4	S	Y	F	1	6
Pitcher-plant, green	E	4	I	Y	R (2)	2	8
Pitcher-plant, mountain sweet	E	4	S	Y	F	2	3
Plum, scrub	E	4	D	Y	F	2	2
Poëe	E	1	D	Y	F	1	2
Poa siphonoglossa [NCN]	E	1	D	Y	F	1	5
Pogonia, small whorled	T	5	I	Y	F	3	14
Polygala, Lewtonís	E	4	D	Y	F	1	8
Polygala, tiny	E	4	S	Y	F	2	5C
Polystichum calderonense [NCN]	E	4	D	Y	F	1	5
Pondberry	E	4	S	Y	F	1	8
Pondweed, Little Aguja Creek	E	2	D	Y	F	1	5
Popolo, kumai (=Popolo, thorny)	E	1	D	N	D	1	5
Poppy, Sacramento prickly	E	2	U	Y	F	1	3
Poppy-mallow, Texas	E	2	D	Y	F	1	5C
Potato-bean, Priceís	T	4	S	Y	F	1	8
Prairie-clover, leafy	E	4	D	Y	F	1	5
Prickly-apple, fragrant	E	4	D	Y	F	1	3
Prickly-ash, St. Thomas	E	4	D	Y	F	1	2C
Primrose, Maguire	T	6	D	Y	F	2	11C
Pteris lidgatei [NCN]	E	1	U	N	U	1	5
Quillwort, black spored	E	4	S	Y	F	1	5
Quillwort, Louisiana	E	4	S	Y	F	1	8
Quillwort, mat-forming	E	4	S	Y	F	1	8
Rattleweed, hairy	E	4	D	Y	F	1	8
Reed-mustard, Barneby	E	6	U	Y	F	1	11
Reed-mustard, clay	T	6	U	Y	F	1	17
Remya kauaiensis [NCN]	E	1	U	Y	F	1	5
Remya montgomeryi [NCN]	E	1	U	Y	F	1	5
Remya, Maui	E	1	U	N	D	1	5
Rhododendron, Chapman	E	4	S	Y	F	1	8C
Ridge-cress (=pepper-cress), Barneby	E	6	D	Y	F	1	5C
Rock-cress, McDonaldís	E	1	U	Y	F	1	14
Rock-cress, shale barren	E	5	S	Y	F	2	11
Rock-cress, small (=Braunís)	E	4	D	N	D	1	5
Rosa, palo de	E	4	S	Y	F	1	5
Rosemary, Apalachicola	E	4	I	Y	F	1	8
Rosemary, Cumberland	T	4	U	Y	F	1	8
Rosemary, Etonia	E	4	S	Y	F	1	2C
Rosemary, short-leaved	E	4	U	Y	F	1	8C
Roseroot, Leedyís	T	3	S	N	D	1	9

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Rush-pea, slender	E	2	D	Y	F	1	2
Sand-verbena, large-fruited	E	2	U	Y	F	1	2
Sandalwood, Lanai or ʻĪliahī	E	1	S	Y	F	1	3
Sandlace	E	4	D	Y	F	2	8
Sandwort, Cumberland	E	4	U	Y	F	1	8
Sandwort, Marsh	E	1	D	N	D	1	5C
Sanicula mariversa [NCN]	E	1	U	Y	F	1	5
Schiedea haleakalensis [NCN]	E	1	U	N	U	1	2
Schiedea kaalae [NCN]	E	1	U	Y	F	1	2
Schiedea lydgatei [NCN]	E	1	U	Y	F	1	8
Schiedea spergulina var. leiopoda [NCN]	E	1	U	Y	F	1	6
Schiedea spergulina var. spergulina [NCN]	T	1	U	Y	F	1	9
Schiedea verticillata [NCN]	E	1	S	N	U	1	2
Schiedea, Diamond Head	E	1	D	Y	F	1	2
Schoepfia arenaria [NCN]	T	4	D	Y	F	1	5C
Seablite, California	E	1	S	N	U	1	2
Sedge, Navajo	T, CH	2	U	Y	F	1	8
Silene alexandri [NCN]	E	1	U	Y	F	1	5
Silene hawaiiensis [NCN]	T	1	I	Y	F	1	8
Silene lanceolata [NCN]	E	1	U	Y	F	1	2
Silene perlmanii [NCN]	E	1	U	Y	F	1	5
Silversword, ʻĀhinahina Mauna Kea	E	1	D	Y	F	1	6
Silversword, Haleakala (ʻāhinahina)	T	1	S	N	D	2	9
Silversword, Kaʻē	E	1	S	Y	F	1	2
Skullcap, Florida	T	4	S	Y	F	1	2
Skullcap, large-flowered	E	4	S	Y	F	1	8
Snakeroot	E	4	D	Y	F	2	2
Snowbells, Texas	E	2	I	Y	F	1	2
Spermolepis hawaiiensis [NCN]	E	1	U	N	D	1	5
Spineflower, Ben Lomond	E	1	D	N	D	1	2C
Spineflower, Howellis	E	1	S	N	D	1	2
Spineflower, Monterey	T	1	I	N	D	1	9C
Spineflower, Robust (incl.ScottsValley)	E	1	S	N	D	1	9C
Spineflower, slender-horned	E	1	U	N	U	1	1C
Spineflower, Sonoma	E	1	S	N	D	1	2
Spiraea, Virginia	T	5	S	Y	F	1	8
Spurge, deltoid	E	4	D	Y	F	2	6C
Spurge, Garberís	T	4	S	Y	F	2	8
Spurge, telephus	T	4	S	Y	F	1	2
Stenogyne bifida [NCN]	E	1	U	Y	F	1	2
Stenogyne campanulata [NCN]	E	1	U	Y	F	1	5
Stenogyne kanehoana [NCN]	E	1	E	Y	F	1	5
Stenogyne, narrow-leaved	E	1	S	N	D	1	2
Sumac, Michauxís	E	4	D	Y	F	1	2
Sunflower, San Mateo woolly	E	1	U	N	D	1	8
Sunflower, Schweinitzís	E	4	D	Y	F	1	5
Sunray, Ash Meadows	T, CH	1	S	Y	F	4	9
Sunshine, Sonoma (=Stickyseed, Bakerís)	E	1	D	N	U	1	2C

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Tectaria estremerana [NCN]	E	4	S	Y	F	1	8
Ternstroemia subsessilis [NCN]	E	4	S	Y	F	1	11
Tetramolopium arenarium [NCN]	E	1	D	Y	F	1	5
Tetramolopium filiforme [NCN]	E	1	U	Y	F	1	2
Tetramolopium lepidotum ssp. lepidotum	E	1	U	Y	F	1	3
Tetramolopium remyi [NCN]	E	1	U	Y	F	1	2
Tetramolopium rockii [NCN]	T	1	U	Y	F	1	14
Thelypteris inabonensis (Fern, NCN)	E	4	U	Y	F	1	5
Thelypteris verecunda (Fern, NCN)	E	4	U	Y	F	1	5
Thelypteris yaucoensis (Fern, NCN)	E	4	U	Y	F	1	5
Thistle, Chorro Creek bog	E	1	S	N	U	1	9
Thistle, fountain	E	1	U	N	D	1	3
Thistle, Loch Lomond coyote	E	1	S	NA	NA	2	14
Thistle, Pitcherís	T	3	D	N	D	1	8
Thistle, Sacramento Mountains	T	2	S	Y	F	1	2
Thornmint, San Mateo	E	1	D	N	D	1	6C
Torreya, Florida	E	4	D	Y	F	1	5
Townsendia, Last Chance	T	6	U	Y	F	1	11C
Tree, pygmy fringe	E	4	I	Y	F	2	2
Trillium, persistent	E	4	S	Y	F	2	8
Trillium, relict	E	4	D	Y	F	1	8
Twinpod, Dudley Bluffs	T	6	S	Y	F	2	14
Uhiuhi	E	1	D	Y	F	1	2
Uvillo	E	4	U	N	U	1	8
Vernonia proctorii [NCN]	E	4	D	Y	F	1	5C
Vetch, Hawaiian	E	1	S	Y	F	1	2C
Vigna o-wahuensis [NCN]	E	1	U	N	D	1	5
Violahelenae [NCN]	E	1	U	Y	F	1	2
Viola lanaiensis [NCN]	E	1	U	Y	F	1	2
Wahane (=Hawane or loëulu)	E	1	U	N	U	1	5
Wallflower, Ben Lomond	E	1	D	N	D	1	2C
Wallflower, Contra Costa	E, CH	1	S	Y	R (1)	2	9
Wallflower, Menziesí	E	1	S	N	D	2	2C
Warea, wide-leaf	E	4	D	Y	F	1	2C
Water-plantain, Kralís	T	4	S	Y	F	1	5C
Water-willow, Cooleyís	E	4	U	Y	F	1	8
Watercress, Gambelís	E	1	D	N	U	1	2C
Wawaeëiole (Phlegmariurus manni)	E	1	D	N	D	1	2
Wawaeëiole (Phlegmariurus nutans)	E	1	S	Y	F	1	6
Whitlow-wort, papery	T	4	S	Y	F	3	8
Wild-buckwheat, clay-loving	E, CH	6	U	Y	F	1	5
Wild-buckwheat, gypsum	T, CH	2	S	Y	F	2	8
Wild-rice, Texas	E, CH	2	D	Y	R (1)	1	2C
Wings, Pigeon	T	4	D	Y	F	1	14
Wire-lettuce, Malheur	E, CH	1	D	Y	F	2	2
Wireweed	E	4	D	Y	F	3	2
Woolly-star, Hooverís	T	1	S	N	D	3	14
Woolly-star, Santa Ana River	E	1	D	N	U	1	3C
Wooly-threads, San Joaquin	E	1	S	N	D	1	7
Ziziphus, Florida	E	4	D	Y	F	2	5

**U.S. Department of the Interior
U.S. Fish & Wildlife Service
Washington, DC 20240
1 800/348 WILD
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