



U.S. Fish & Wildlife Service

Recovery Report to Congress

Fiscal Years 1997-98 and 1999-2000



On the Cover

A sampling of recovery plans finalized during the period between October 1, 1997 and September 30, 2000. Some of these plans were for individual species (e.g., the winged mapleleaf mussel), while others covered multiple species and large ecosystems (e.g., the South Florida Everglades).

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

1998 and 2000

The primary purpose of the Endangered Species Act of 1973 [16 U.S.C. 1531 *et seq.*] (Act) is the conservation of endangered and threatened species and the ecosystems upon which they depend. The ultimate goal of such conservation efforts is the recovery of endangered and threatened species, so that they no longer need the protective measures afforded by the Act.

The Act requires the Secretaries of the Department of the Interior (DOI) and the Department of Commerce (DOC) to develop and implement plans for the conservation and survival of endangered and threatened species ("recovery plans"). Recovery plans are required, unless such plans will not promote the conservation of the species. The Act also requires the Secretaries report to Congress in two-year intervals on the status of efforts to develop and implement recovery plans, and the status of all species for which recovery plans have been developed.

The U.S. Fish and Wildlife Service (Service), under the DOI, and the National Marine Fisheries Service (NMFS), under the DOC, have been delegated the responsibility of administering the Act. In general, the Service has responsibility for freshwater and terrestrial species (including all bird species), while NMFS has responsibility for most marine species and anadromous fish. The Service and NMFS share the responsibility for ten listed species.

This report satisfies the Act's reporting requirement for 1998 (October 1, 1996 to September 30, 1998) and 2000 (October 1, 1998 to September 30, 2000) for species under the Service's jurisdiction, including species managed jointly with NMFS. Included in this report is summary information on listed species' status and recovery planning efforts.

This report and copies of recovery plans are available electronically at the Service's internet site at: <http://endangered.fws.gov/recovery>.

Copies of this report are also available from:

U.S. Fish and Wildlife Service
Endangered Species Program
4401 N. Fairfax Drive, Room 420
Arlington, VA 22203

Copies of recovery plans are also available from:

Fish and Wildlife Reference Service
5430 Grosvenor Lane, Suite 110
Bethesda, Maryland 20814-2158
Phone: 1-800-582-3421 or 301-492-6403
(The fee for copies is based on the number of pages of the plan.)



The American peregrine falcon was declared recovered and delisted in August, 1999. Illustration by Robert Savannah/USFWS

Recovery of Endangered and Threatened Species

Recovery is the improvement in the status of listed species to the point at which listing is no longer appropriate under the criteria set out in section 4(a)(1) of the Act. The recovery process involves arresting or reversing the species' decline by addressing the threats to its survival. The goal of this process is to restore listed species to a point where they are secure, self-sustaining and functioning components of their ecosystems and, thus, to allow delisting.

The Service faces a challenging task in leading the efforts to recover endangered and threatened species. Because factors responsible for a species' endangered or threatened status are often complex and may have been at work for a long period of time, recovery generally requires coordinated long-term actions by numerous stakeholders. The Service's Recovery Program works with Federal, State, local, and Tribal governments, non-governmental organizations, and private landowners. Together, we take necessary measures to prevent extinction of species, prepare recovery plans that identify recovery actions and recovery goals, and implement these actions. While the Service leads the recovery of endangered and threatened species, the status of species is often largely a reflection of the willingness and the ability of our partners to participate in the effort.

Simply gaining the Act's protection for a species may not reduce all the threats to its survival (*e.g.*, threats such as invasive species or habitat succession may continue), and consequently, many species often continue to decline following listing. Years of research, restoration, protection, and active management are generally needed to comprehensively address threats to a species and achieve the species' successful recovery. The Service uses the best available scientific information in carrying out these activities. As we increase our knowledge of a species and its requirements, and we develop recovery plans and initiate recovery actions, we see species' status stabilize and begin to show improvement. Our

ultimate success in recovering species is tied directly to the resources provided to plan, fund, and coordinate recovery actions.

A recovery outline - the first step in recovery planning - establishes initial direction for conservation efforts and guides the development of a recovery plan to identify actions necessary to achieve recovery. After a recovery outline, draft and final recovery plans follow in a timely manner. Recovery plans organize, prioritize, and guide the recovery process, and establish objective criteria by which to measure progress toward recovery. While recovery planning details specific objectives and actions needed, recovery implementation

involves taking on-the-ground actions. To stabilize and ultimately delist endangered and threatened species, the Service must engage and encourage participation of multiple stakeholders throughout the recovery planning and implementation processes. Additional information on the recovery program is available at the Service's web site at: <http://endangered.fws.gov/recovery/>.

The Service has actively sought to improve the overall national implementation of the Act and has developed a suite of national policies affecting all aspects of implementation of the Act. This information is available electronically at: <http://endangered.fws.gov/policies/>.

A Fish and Wildlife Service biologist engages in recovery efforts for the Eastern prairie fringed orchid. A recovery plan for the orchid was finalized in 1999.
USFWS photo



Recovery Planning 1998 and 2000 Summary

Recovery Plans

October 1, 1996, through September 30, 1998, the Service issued 75 final and 2 revised recovery plans covering 256 species.

October 1, 1998, through September 30, 2000, the Service issued 16 final and 4 revised recovery plans covering 131 species (including 6 plans for 6 species issued in conjunction with the NMFS).

Despite the many species added to the lists over the last few years, the Service has maintained a marked improvement in the proportion of species with final recovery plans (in 1994 only 54% of the 893 species then listed had final plans).

Recovery Objectives

Recovery objectives in a recovery plan identify the recovery needs of the species. In this report, we include a percent "Recovery Achieved" to show what extent the recovery objectives have been achieved. As such, this measure indicates the species' long term progress toward the recovery goal of secure sustainability that would allow removing the protections of the Act. This number does not necessarily correspond with the percentage of recovery tasks achieved, as individual tasks may have greater or lesser importance to achieving recovery.

Although we have made significant progress in recovery planning and preventing species extinctions, a substantial amount of recovery work remains to be done. As summarized in Table 2, as of September 30, 2000, most listed species had 25 % or less of their recovery objectives achieved.

Table 1.

Summary of Recovery Plans for U.S. Species Under Jurisdiction of the Service

<i>Percent of listed U.S. species under jurisdiction of the Service (or jointly with NMFS) that have—</i>	<i>As of September 30, 1998 (1,137 species)</i>	<i>As of September 30, 2000 (1,216 species)</i>
Final, approved recovery plans	79%	78%
Final plans under revision	17%	13%
Draft plans	7%	6%
Plans in first stages of development	12%	14%
Exemptions from recovery plans	2%	1%

Table 2. Summary of Recovery Achieved

<i>Range of Recovery Objectives Achieved</i>	<i>Percent of Species in Range</i>	
	<i>As of September 30, 1998 (1,137 species)</i>	<i>As of September 30, 2000 (1,216 species)</i>
0 to 25%	78%	78%
26 to 50%	15%	15%
51 to 75%	5%	5%
76 to 100%	2%	2%

Status of Listed Species 1998 and 2000 Summary

As a result of the Service's numerous partnerships, hundreds of species have been saved from extinction, including the California condor, black-footed ferret, and our Nation's symbol - the bald eagle. As of September 30, 2000, 98 percent of listed species are known to survive and 39 percent are stabilized or moving towards recovery. The Service has worked hard and successfully to prevent extinctions and plan for species recovery. However, continued efforts are needed to recover listed species so that they no longer need the protections of the Endangered Species Act.

The American peregrine falcon and the Aleutian Canada goose, among others, have been officially delisted due to their successful recovery. The Service anticipates announcing several additional delisting or reclassification proposals and final actions due to recovery in the near future.

Endangerment continues to threaten species of all taxonomic categories (Table 3), in rough proportion to their occurrence. Reptiles and amphibians comprised the smallest proportions of listed species, possibly due to fewer species within these taxonomic groups. Similarly, the large proportion of listed invertebrates may reflect the larger numbers of species within this animal taxon group.

Annually, our Field and Regional staff report on the status of each listed species as a measure of our progress in achieving our goals under the Government

Table 3. Listed Species 1998 and 2000

<i>U.S. species listed as threatened or endangered:</i>	<i>As of September 30, 1998</i>	<i>As of September 30, 2000</i>
Total Number	1,155	1,233
Under jurisdiction of the Fish and Wildlife Service (or jointly with NMFS)	1,137	1,216
Plants	61%	60%
Animals	39%	40%
Mammals	5%	5%
Birds	8%	8%
Reptiles	3%	3%
Amphibians	1%	1%
Fish	9%	9%
Invertebrates	13%	14%

Marking Successes

An independent scientific analysis concluded that, based on the risk of extinction alone, 192 listed species might have been expected to have gone extinct between 1973 and 1998. The study concluded that the relatively few observed extinctions represents a significant benchmark of success of the Act.

(M. W. Schwartz. 1999. Choosing the appropriate scale of reserves for conservation. Annual Reviews Ecology and Systematics 30:83-108)

Performance and Results Act of 1993 (31 U.S.C. 1115). This measure provides a current snapshot of the status of a species since the last reporting cycle, and is based on both population numbers and threats. Although the Act and other processes require us to assess the status of all listed species periodically, our practice is to monitor the status of listed species on a continual basis. We do this as part of recovery planning and implementing efforts, our consultation process with other Federal agencies under section 7 of the Act, our permitting program under section 10 of the Act, our petition process under section 4 of the Act, and other activities related to listed species. The species status reported herein is the result of these efforts.

For several listed species, there are multiple recovery “entities” established to address specific recovery planning needs. For example, there are three recovery entities of piping plover (Atlantic Coast, Great Lakes, and Northern Great Plains). In this report, we summarize the listing status, population status, recovery plan development stage, and extent of recovery objectives achieved for 1,219 recovery entities under the jurisdiction of the Fish and Wildlife Service (see Appendix 1). For purposes of the statistics that follow, all recovery “entities” are referred to as species.



A recovery plan for the Rio Grande silvery minnow was finalized in 1999. USFWS photo

Table 4. Summary of Species Status

<i>Number of U.S. species under Service jurisdiction (or jointly with NMFS) with status—</i>	<i>As of September 30, 1998</i>		<i>As of September 30, 2000</i>		<i>Notes</i>
	<i>No.</i>	<i>% of total</i>	<i>No.</i>	<i>% of total</i>	
Stable	313	27%	369	30%	
Improving	92	8%	108	9%	
Uncertain	334	30%	291	24%	Although 78 species were added to the list between 1998 and 2000, the proportions in species status appear to have remained constant or improved slightly.
Declining	376	33%	417	34%	
Captive (only found in captivity/cultivation)	5	<1%	6	<1%	The plant Oha wai (<i>Clermontia peleana</i>) status was "Uncertain" in 1998 and changed to "Captive" in 2000.
Presumed extinct	21	2%	28 *	2%	* Subsequent to September 30, 2000, two Hawaiian plants <i>Stenogyne kanehoana</i> and <i>Phyllostegia waimeae</i> were rediscovered living in the wild.
Totals	1,141		1,219		

Changes in Species Status Over Time

Recovery activities must reverse declines that often have occurred over the course of decades or centuries. While we strive to recover species as quickly as possible, addressing these long-term threats, as is reflected in changes in the species status, typically requires substantial time and resources.

As a result of normal environmental variation, the status of species will at times fluctuate independent of our recovery efforts. Further, even when a species is on the road to recovery there may be periods of increased or decreased populations interspersed with periods of stable populations.

During the first few years after listing, most species populations have an uncertain or declining status (see Table 5). Over time, as more information about listed species becomes available from status surveys or research and species benefit from the management or protection efforts of recovery programs, increasing numbers of listed species are reported as stable or improving. After approximately 10 years following listing, minimal differences are observed in the population status categories among subsequent five-year intervals (*i.e.*, 16-20, 21-25, and 26+ years).



A recovery plan for the San Joaquin kit fox was finalized in 1998. Photo by Corel Corp.

Increasing Workload & Continuing Progress

The percentage of stable or increasing species has remained relatively constant since 1990 (see Figure 1) even though the number of U.S. listed species more than doubled from 558 (in 1990) to 1,233 (in 2000). In general, academic scientists have found that the longer a species has been listed and the longer that it has had a recovery plan the better its status.

Schultz and Gerber. 2002. Are Recovery Plans Improving With Practice? Ecological Applications 12: 641-647.

Figure 1. Overall population status of all listed species within each biennial reporting period 1990-2000

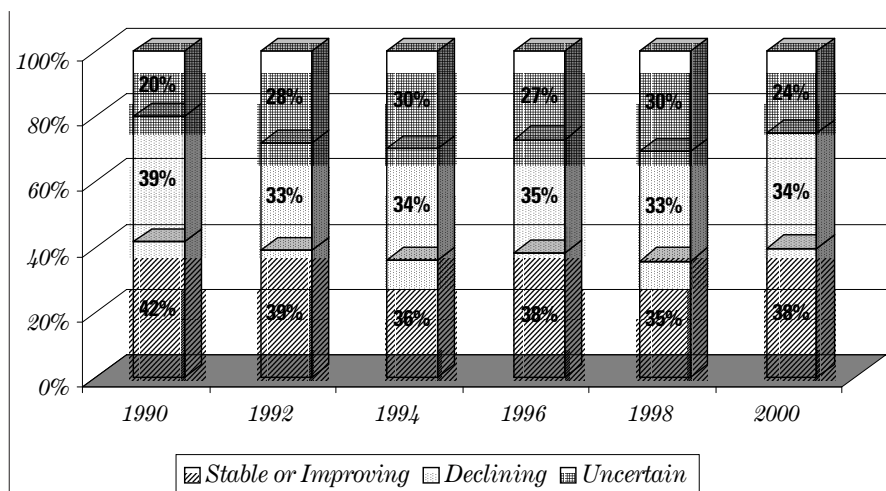


Table 5. Changes in Status Over Time

<i>Percent of the U.S. species under jurisdiction of the Service (or jointly with NMFS) with status as —</i>	<i>Species listed five years or less</i>		<i>Species listed 6-10 years</i>		<i>Species listed 11 years or more</i>	
	<i>As of Sept. 30, 1998</i>	<i>As of Sept. 30, 2000</i>	<i>As of Sept. 30, 1998</i>	<i>As of Sept. 30, 2000</i>	<i>As of Sept. 30, 1998</i>	<i>As of Sept. 30, 2000</i>
Stable	15%	17%	32%	27%	36%	40%
Improving	2%	3%	6%	7%	15%	14%
Declining	41%	48%	23%	32%	32%	27%
Uncertain	41%	31%	39%	30%	13%	15%
Captivity	<1%	<1%	0%	<1%	<1%	<1%
Presumed Extinct	<1%	<1%	<1%	3%	4%	3%

Delisting Actions

Successful implementation of recovery actions over time leads to improvement in a species status and eventual downlisting (reclassification from endangered to threatened) and delisting.

Delisting results in the removal of regulatory restrictions for species whose status has improved. To delist a species, the Service must determine that the species is not threatened based on a number of factors, such as population size, recruitment, stability of habitat quality and quantity, and control or elimination of the threats that caused the need to list the species.

When a species has been recovered and delisted, the Act requires the Service, in cooperation with the States, to monitor the species for a minimum of five years in order to assess each species' ability to sustain itself without the Act's protective measures.

Table 6. Summary of Delisting Actions

<i>Number of U.S. species—</i>	<i>As of Sept. 30, 1998</i>	<i>As of Sept. 30, 2000</i>
Delisted (Total)	27	31
Delisted because they recovered	11	12
Delisted because they are extinct **	7	7
Delisted because of new information, taxonomic revisions, or other administrative reasons	9	12

** Several of these species, such as the blue pike and Santa Barbara song sparrow, were likely extinct prior to listing.

Appendix

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

- the species' listing status;
- lead Service Region;
- population status;
- the stage of development of the recovery plan;
- a value for the percentage of recovery objective(s) that have been met; and
- the species' recovery priority.

The Act provides for the listing of distinct population segments of vertebrate species, where a significant population segment is 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, which may appear individually when they have separate recovery plans and population trends. For others, the distinct population segments may have been combined and listed as one entity based on the recovery planning and implementation needs.

Population Status (Pop. Status)

The status of each species is identified as:

I = Improving

Species whose numbers have increased and whose threats have either been constant or reduced over the reporting period; or, a species whose numbers have been constant and whose threats have been reduced over the reporting period.

S = Stable

Species whose numbers and threats have been constant over the reporting period. A designation as stable means that there has been no change for the species' numbers and threats since the last reporting period. Stable, as used for this purpose, does not mean secure. For example, a species that has very low numbers and severe threats would be reported as stable if its numbers and threats have been constant since the last reporting period.

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 current trend in their status.

C = Captivity

Species known only to currently survive in captivity (e.g., zoos, botanical gardens, or in other controlled conditions); species not currently known to exist in the wild.

E = Presumed Extinct

Species that are currently believed to be extinct. Species presumed extinct may be retained on the lists for a number of years because of the potential that an unknown remnant population remains in the wild. This is particularly true for species occurring in areas that are difficult to survey thoroughly.

Plan Stage

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

F = Final; approved by the Regional Director

RU(#) = Revision Under Development (revision number)

RD(#) = Revision Drafted (revision number)

R(#) = Revision Approved (revision number)

D = Draft

U = Under Development

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

Note: 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

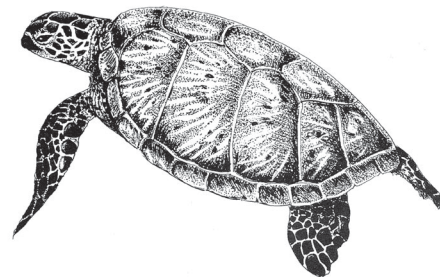
Each species is assigned a recovery priority from 1 to 18 according to the degree of threats, recovery potential, and taxonomic distinctness. In addition, a species' rank may be elevated by adding a C designation to its numerical rank to indicate that there is some degree of conflict between the species' conservation efforts and economic development associated with its recovery. Species with a high priority rank (1, 1C, 2, 2C) are those that are the most threatened and have the highest potential for recovery. Species with a low rank (16, 17, 18) are the least threatened and have low recovery potentials. See 48 FR 43102 (Sept. 21, 1983) for additional information on this prioritization system.

Species' Listing

The listing status as of September 30, 2000, is identified as threatened (**T**) or endangered (**E**). If critical habitat (**CH**) is designated, it is also listed in the table with the species' status.

Lead Region

This indicates which Service Region has the lead responsibility for the species (see *Endangered Species Program Contacts*, page 35).



A recovery plan for the green sea turtle was finalized in 1998.

Illustration by Robert Savannah/USFWS

Species Listed as of September 30, 2000

Common Name	Species Listed as of September 30, 2000									
	Lead USFWS Region	Listing Status	Population Status - 2000	Recovery Stage - 2000	Recovery Achieved - 2000	Recovery Priority - 2000	Population Status - 1998	Recovery Stage - 1998	Recovery Achieved - 1998	Recovery Priority - 1998
Mammals										
Bat, Indiana	3	E,CH	D	RD(1)	2	8	D	RD(1)	2	8
Bat, Mariana fruit	1	E	D	F	1	3	D	F	1	3
Bat, Mexican long-nosed	2	E	U	F	1	5	U	F	1	5
Bat, Ozark big-eared	2	E	S	F	1	3	S	F	1	3
Bat, Virginia big-eared	5	E,CH	I	RD(1)	3	9	I	RD(1)	3	9
Bat, gray	3	E	I	F	3	8	I	F	3	8
Bat, lesser (=Sanborn's) long-nosed	2	E	I	F	1	3	S	F	1	3
Bat, little Mariana fruit	1	E	E	F	1	5	E	F	1	5
Bear, Louisiana black	4	T	I	F	2	9	I	F	2	9
Bear, grizzly	6	T	S	F	2	3c	S	RD(1)	2	3c
Caribou, woodland	1	E	D	R(1)	1	3c	D	R(1)	1	3c
Deer, Columbian white-tailed	1	E	I	F	4	9c	S	F	4	12
Deer, key	4	E	I	RD(2)	1	6c	I	RD(2)	1	6c
Ferret, black-footed	6	E	I	RU(1)	1	2	I	RU(1)	1	2
Fox, San Joaquin kit	1	E	D	R(1)	1	3c	D	F	1	3c
Jaguar	2	E	U	U	1	6	U	U	1	6
Jaguarundi	2	E	U	F	1	6	U	F	1	6
Kangaroo rat, Fresno	1	E,CH	U	F	1	3c	U	F	1	3c
Kangaroo rat, Morro Bay	1	E,CH	D	RD(1)	1	6c	D	RD(1)	1	6c
Kangaroo rat, San Bernardino Merriam's	1	E	D	U	1	3c	D	U	1	3c
Kangaroo rat, Stephens'	1	E	U	D	3	2c	S	D	3	2c
Kangaroo rat, Tipton	1	E	D	F	1	3c	D	F	1	3c
Kangaroo rat, giant	1	E	D	F	2	2c	D	F	2	2c
Lynx, Canada -- (lower 48 States)	6	T	U	U	1	15				
Manatee, West Indian (=Florida)	4	E,CH	D	RD(3)	1	5c	D	RU(3)	1	5c
Mountain beaver, Point Arena	1	E	U	F	1	9c	U	F	1	9c
Mouse, Alabama beach	4	E,CH	I	RU(1)	2	3c	D	RU(1)	1	3c
Mouse, Anastasia Island beach	4	E	S	F	1	6c	S	F	1	6c
Mouse, Choctawhatchee beach	4	E,CH	S	RU(1)	2	3c	S	RU(1)	1	3c
Mouse, Key Largo cotton	4	E	D	D	4	3c	S	D	4	3c
Mouse, Pacific pocket	1	E	S	F	1	3c	U	F	1	3c
Mouse, Perdido Key beach	4	E,CH	D	RU(1)	1	3c	D	RU(1)	1	3c
Mouse, Preble's meadow jumping	6	T	D	U	1	9c	D	U	1	9c
Mouse, St. Andrew beach	4	E	S	U	1	5				
Mouse, salt marsh harvest	1	E	U	RU(1)	1	2c	U	RU(1)	1	2c
Mouse, southeastern beach	4	T	S	F	1	9c	D	F	1	9c
Ocelot	2	E	D	F	1	5	D	F	1	5
Otter, southern sea	1	T	U	RD(3)	1	6c	D	RD(3)	1	6c
Panther, Florida	4	E	S	RU(3)	1	6c	S	RU(3)	1	6c
Prairie dog, Utah	6	T	S	F	2	8c	S	F	2	3c
Pronghorn, Sonoran	2	E	U	R(1)	1	3	U	R(1)	1	3
Puma (=cougar), eastern	5	E	E	F	1	18	E	F	1	18
Rabbit, Lower Keys marsh	4	E	D	RD(1)	1	6c	D	RD(1)	1	6c
Rabbit, riparian brush	1	E	D	F	1	6c				
Rice rat (=silver rice rat)	4	E,CH	U	D	1	3c	D	D	1	9c
Sheep, bighorn (CA Peninsular Ranges pop.)	1	E	I	D	1	3c	D	U	1	3c
Sheep, bighorn -- (Sierra Nevada pop.)	1	E	D	U	2	3				
Shrew, Dismal Swamp southeastern	5	T	S	NA	4	18	S	F	4	9
Squirrel, Carolina northern flying	4	E	S	F	2	6c	S	F	2	6c

Species Listed as of September 30, 2000

Common Name	Lead USFWS Region	Listing Status	Population Status - 2000	Recovery Stage - 2000	Recovery Achieved - 2000	Recovery Priority - 2000	Population Status - 1998	Recovery Stage - 1998	Recovery Achieved - 1998	Recovery Priority - 1998
Squirrel, Delmarva Peninsula fox	5	E	S R(2)	3	9c		S R(2)	3	9c	
Squirrel, Mount Graham red	2	E,CH	U F	1	3c		S F	2	9c	
Squirrel, Virginia northern flying	5	E	S F	2	9		S F	2	9	
Squirrel, northern Idaho ground	1	T	D U	1	6c					
Vole, Amargosa	1	E,CH	U F	1	6		U F	1	6	
Vole, Florida salt marsh	4	E	U F	1	6		U F	1	6	
Vole, Hualapai Mexican	2	E	U F	1	3		U F	1	3	
Wolf, Mexican gray	2	E	I F	1	3c		I F	1	3c	
Wolf, Northern Rocky Mountain gray	6	E	I R(1)	4	3c		I R(1)	3	3c	
Wolf, gray (eastern population)	3	E,T,CH	I R(2)	4	8c		I R(2)	4	8c	
Wolf, red	4	E	U RD(2)	3	5c		I RD(2)	3	5c	
Woodrat, Key Largo	4	E	D D	1	3c		D D	1	3c	
Woodrat, riparian	1	E	D F	1	6c					
Birds										
Akepa, Hawaii (honeycreeper)	1	E	S RU(1)	2	8		S F	2	9	
Akepa, Maui (honeycreeper)	1	E	E RU(1)	1	6		E F	1	6	
Akialoa, Kauai (honeycreeper)	1	E	E RU(1)	1	5		E F	1	5	
Akiapola'au (honeycreeper)	1	E	D RU(1)	2	2		D F	2	2	
Albatross, short-tailed	7	E	I U	1	8					
Blackbird, yellow-shouldered	4	E,CH	I R(1)	2	2c		I R(1)	2	2c	
Bobwhite, masked (quail)	2	E	I RD(2)	2	6		I RD(2)	2	6	
Broadbill, Guam	1	E	E F	1	5		E F	1	5	
Caracara, Audubon's crested (Florida pop.)	4	T	S RD(1)	1	9c		S RD(1)	1	12	
Condor, California	1	E,CH	I R(3)	2	4c		I R(3)	2	4c	
Coot, Hawaiian (= 'alae-ke'oke'o)	1	E	S RD(2)	3	14		S RD(2)	3	15	
Crane, Mississippi sandhill	4	E,CH	S R(3)	1	6c		S R(3)	1	6c	
Crane, whooping	2	E,CH	I RU(3)	2	2c		I R(2)	2	2c	
Creeper, Hawaii	1	E	S RU(1)	2	8		S F	2	8	
Creeper, Molokai (=kakawahie)	1	E	E RU(1)	1	5		E F	1	5	
Creeper, Oahu (=alauwahio)	1	E	D U	1	5		D NA	1	5	
Crow, Hawaiian (= 'alala)	1	E	D RU(1)	1	2c		D RU(1)	1	2C	
Crow, Mariana	1	E	D F	1	2		D F	1	2	
Curlew, Eskimo	7	E	U NA	1	5		U NA	1	5	
Duck, Hawaiian (=koloa)	1	E	S RD(2)	2	2		D RD(2)	2	2	
Duck, Laysan	1	E	S F	3	2		S F	3	2	
Eagle, bald	3	T	I F	4	14c		I F	4	14c	
Eider, Steller's	7	T	U D	2	9		U U	1	9	
Eider, spectacled	7	T	S F	2	5		S F	2	5	
Elepaio, Oahu	1	E	D U	1	3					
Falcon, American peregrine	1	E,CH	I RD(1)	4	9		I RD(1)	4	9	
Falcon, northern aplomado	2	E	S F	2	3		U F	1	3	
Finch, Laysan (honeycreeper)	1	E	S F	3	8		S F	3	8	
Finch, Nihoa (honeycreeper)	1	E	U F	3	8		S F	3	8	
Flycatcher, southwestern willow	2	E	U U	1	3c		U U	1	3c	
Gnatcatcher, coastal California	1	T	D NA	1	3c		S NA	1	3c	
Goose, Aleutian Canada	7	T	I R(2)	4	9		I RD(2)	4	9	
Goose, Hawaiian (=nene)	1	E	S RU(1)	2	2		S RU(1)	2	2	
Hawk, Hawaiian (=io)	1	E	S F	3	14		S F	3	14	
Hawk, Puerto Rican broad-winged	4	E	U F	1	6		U F	1	6	

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Hawk, Puerto Rican sharp-shinned	4	E	U	F	1	3	U	F	1	3
Honeycreeper, crested (= `akohekohe)	1	E	S	RU(1)	2	7	S	RU(1)	2	7
Jay, Florida scrub	4	T	D	RU(1)	2	2c	D	RU(1)	1	2c
Kingfisher, Guam Micronesian	1	E	C	F	1	3	C	F	1	3
Kite, Everglade snail	4	E,CH	S	RD(4)	1	3c	S	RD(4)	1	3c
Mallard, Mariana	1	E	E	NA	1	5	E	NA	1	5
Megapode, Micronesian (=La Perouse's)	1	E	U	F	2	9	U	F	2	9
Millerbird, Nihoa	1	E	U	F	3	9	S	F	3	9
Monarch, Tinian	1	T	I	NA	4	14	I	NA	4	14
Moorhen, Hawaiian common	1	E	S	RD(2)	2	9	S	RD(2)	2	9
Moorhen, Mariana common	1	E	S	F	1	9c	S	F	1	9c
Murrelet, marbled	1	T,CH	D	F	1	3	D	F	1	3
Nightjar (=whip-poor-will), Puerto Rican	4	E	S	F	2	5c	S	F	2	5c
Nukupū (honeycreeper)	1	E	D	RU(1)	1	5	D	F	1	5
O`o, Kauai (= `o`o `a`a)(honeyeater)	1	E	E	RU(1)	1	4	E	F	1	4
O`u (honeycreeper)	1	E	E	RU(1)	1	4	E	F	1	4
Owl, Mexican spotted	2	T,CH	U	F	2	9c	S	F	2	9c
Owl, northern spotted	1	T,CH	D	D	1	3	D	D	1	3
Palila (honeycreeper)	1	E,CH	S	RU(1)	3	1	S	RU(1)	3	1
Parrot, Puerto Rican	4	E	S	RD(3)	2	2	S	RU(2)	1	2
Parrotbill, Maui (honeycreeper)	1	E	S	RU(1)	1	1	S	RU(1)	1	1
Pelican, brown	1	E	S	F	3	9	U	F	3	9
Petrel, Hawaiian dark-rumped	1	E	U	F	2	3	U	F	2	9
Pigeon, Puerto Rican plain	4	E	I	RD(1)	3	3c	I	RD(1)	2	3c
Plover, piping (Atlantic coast)	5	T	S	R(1)	3	2c	S	R(1)	3	2c
Plover, piping (Great Lakes)	3	E	S	U	1	5c	S	U	1	5c
Plover, piping (Northern Great Plains)	6	T	D	U	1	2c	D	U	1	5c
Plover, western snowy (Pacific coastal pop.)	1	T	D	U	1	3c	U	U	1	3c
Po`ouli (honeycreeper)	1	E	D	RU(1)	1	4	D	RU(1)	1	4
Prairie-chicken, Attwater's greater	2	E	S	R(2)	3	3	S	R(2)	3	3
Pygmy-owl, cactus ferruginous	2	E	D	U	1	3c	D	U	1	3c
Rail, California clapper	1	E	U	RU(1)	1	3c	U	RU(1)	1	3c
Rail, Guam	1	E	C	F	1	2	C	F	1	2
Rail, Yuma clapper	2	E	S	F	3	6	S	F	3	6
Rail, light-footed clapper	1	E	I	RD(1)	2	3	D	RD(1)	2	3
Shearwater, Newell's Townsend's (= `a`o)	1	T	D	F	1	3	U	F	2	8
Shrike, San Clemente loggerhead	1	E	I	RD(1)	2	9	D	RD(1)	2	9
Sparrow, Cape Sable seaside	4	E,CH	S	RD(1)	2	3c	S	RD(1)	2	12c
Sparrow, Florida grasshopper	4	E	S	RD(1)	1	9	S	RD(1)	1	9
Sparrow, San Clemente sage	1	T	S	F	2	9	S	F	2	9
Stilt, Hawaiian (=ae`o)	1	E	S	RD(2)	3	9	S	RD(2)	3	9
Stork, wood	4	E	I	R(1)	3	6c	I	R(1)	3	6c
Swiftlet, Mariana gray (=Vanikoro)	1	E	S	F	1	9	S	F	1	9
Tern, California least	1	E	I	R(1)	3	3c	S	RD(1)	3	3c
Tern, least (interior pop.)	3	E	U	F	1	3c	S	F	1	3c
Tern, roseate	5	E,T	I	R(1)	2	3	I	R(1)	2	3
Thrush, Molokai (=oloma`o)	1	E	E	RU(1)	1	5	E	F	1	6
Thrush, large Kauai	1	E	E	RU(1)	1	5	D	F	1	5
Thrush, small Kauai (=puaiohi)	1	E	S	F	1	2	S	RU(1)	1	2
Towhee, Inyo California (=brown)	1	T,CH	U	F	1	9c	I	F	1	9c

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Vireo, black-capped	2	E	D	F	1	2c	D	F	1	2c
Vireo, least Bell's	1	E,CH	I	D	3	3c	I	D	3	3c
Warbler, Bachman's	4	E	U	NA	1	5	U	NA	1	5
Warbler, Kirtland's	3	E	S	F	3	2c	I	F	3	2c
Warbler, golden-cheeked	2	E	D	F	1	2c	D	F	1	2c
Warbler, nightingale reed	1	E	S	F	1	8	S	F	1	8
White-eye, bridled	1	E	E	F	1	6	E	F	1	6
Woodpecker, ivory-billed	4	E	E	NA	1	18	E	NA	1	18
Woodpecker, red-cockaded	4	E	I	RD(2)	1	8c	I	RU(2)	1	8c

Reptiles

Anole, Culebra Island giant	4	E,CH	U	F	1	5	U	F	1	5
Boa, Mona	4	T,CH	I	F	1	3	U	F	1	3
Boa, Puerto Rican	4	E	D	F	1	11c	D	F	1	14
Boa, Virgin Islands tree	4	E	S	F	3	3c	S	F	2	3c
Crocodile, American	4	E,CH	I	RD(2)	2	2c	I	RD(2)	2	2c
Gecko, Monito	4	E,CH	S	F	2	5	S	F	1	5
Iguana, Mona ground	4	T,CH	S	F	3	2	S	F	2	2
Lizard, Coachella Valley fringe-toed	1	T,CH	D	F	2	2c	D	F	2	2c
Lizard, Island night	1	T	S	F	2	8	I	F	2	8
Lizard, St. Croix ground	4	E,CH	U	F	1	2c	U	F	1	2c
Lizard, blunt-nosed leopard	1	E	D	R(1)	1	2c	D	R(1)	1	2c
Rattlesnake, New Mexican ridge-nosed	2	T,CH	S	F	3	3	S	F	3	3
Skink, bluetail mole	4	T	U	RD(1)	1	3	D	RD(1)	1	9
Skink, sand	4	T	U	RD(1)	1	1	D	RD(1)	1	7
Snake, Atlantic salt marsh	4	T	D	F	1	12	D	F	1	12
Snake, Concho water	2	T,CH	S	F	1	9c	S	F	1	9c
Snake, Lake Erie water -- (subspecies range cla	3	T	D	U	1	3c				
Snake, San Francisco garter	1	E	D	F	1	3c	D	F	1	3c
Snake, copperbelly water (northern pop.)	3	T	D	U	1	3c	D	U	1	3c
Snake, eastern indigo	4	T	D	F	1	12c	D	F	1	12c
Snake, giant garter	1	T	U	D	1	2c	U	D	1	2c
Tortoise, desert	1	T,CH	U	F	1	8c	U	F	1	8c
Tortoise, gopher	4	T	D	F	1	9	D	F	1	9
Turtle, Alabama red-bellied	4	E	U	F	1	5	U	F	1	5
Turtle, Kemp's (=Atlantic) ridley sea	2	E	I	R(1)	3	2c	I	R(1)	1	2c
Turtle, Plymouth redbelly	5	E,CH	I	R(1)	2	9	I	R(1)	2	9
Turtle, bog (=Muhlenberg) (northern pop.)	5	T	D	D	1	6c	D	U	1	12
Turtle, flattened musk	4	T	D	F	1	14	D	F	1	14
Turtle, green sea	4	E,T	I	F	1	1c	I	F	1	1c
Turtle, hawksbill sea (=carey)	4	E,CH	D	F	1	1c	D	F	1	1c
Turtle, leatherback sea	4	E,CH	D	F	1	1	D	F	1	1
Turtle, loggerhead sea	4	T	U	F	1	7c	U	F	1	7c
Turtle, olive ridley sea	4	E,T	I	F	2	8c	I	F	2	8c
Turtle, ringed map (=sawback)	4	T	D	F	2	14	D	F	2	14
Turtle, yellow-blotched map (=sawback)	4	T	D	D	1	14	D	F	1	14
Whipsnake, (=striped racer) Alameda	1	T	D	U	1	9c	D	U	1	9c

Amphibians

Coqui, golden	4	T,CH	U	F	1	5c	U	F	1	5c
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Frog, California red-legged	1	T	D	D	1	6c	D	U	1	6c
Guajon	4	T	U	D	1	11	U	U	1	11
Salamander, Barton Springs	2	E	D	U	1	2c	D	U	1	2c
Salamander, California tiger -- U.S.A. (CA - Sa	1	E	D	U	1	3				
Salamander, Cheat Mountain	5	T	S	F	2	8	S	F	2	8
Salamander, Red Hills	4	T	S	RU(1)	1	7	S	RU(1)	1	7
Salamander, San Marcos	2	T,CH	D	R(1)	1	2c	D	R(1)	1	2c
Salamander, Santa Cruz long-toed	1	E	D	RU(2)	1	3	D	RU(2)	1	3
Salamander, Shenandoah	5	E	U	F	1	8	U	F	1	8
Salamander, Sonoran tiger	2	E	U	D	1	3	U	D	1	3c
Salamander, Texas blind	2	E	D	R(1)	1	5	D	R(1)	1	5
Salamander, desert slender	1	E	S	F	1	8	U	F	1	8
Salamander, flatwoods	4	T	D	U	1	8				
Toad, Houston	2	E,CH	D	RU(1)	1	5c	D	RU(1)	1	5c
Toad, Puerto Rican crested	4	T	S	F	2	2c	S	F	2	2c
Toad, Wyoming	6	E	D	RU(1)	1	3	I	F	1	3
Toad, arroyo	1	E	D	F	1	9	S	F	1	9
Fishes										
Catfish, Yaqui	2	T,CH	D	F	1	8	D	F	1	8
Cavefish, Alabama	4	E,CH	S	R(2)	1	1	S	R(2)	1	1
Cavefish, Ozark	4	T	S	F	2	8	S	R(1)	2	8
Chub, Borax Lake	1	E,CH	S	F	3	2	S	F	3	2
Chub, Chihuahua	2	T	I	F	1	2	I	F	1	2
Chub, Hutton tui	1	T	S	F	2	9	S	F	2	9
Chub, Mohave tui	1	E	U	F	1	9	S	F	1	9
Chub, Oregon	1	E	D	F	2	11	D	F	2	10
Chub, Owens tui	1	E,CH	S	F	1	3	S	F	1	6c
Chub, Pahrnagat roundtail (=bonytail)	1	E	D	R(1)	1	3c	D	R(1)	1	3c
Chub, Sonora	2	T,CH	S	F	1	2c	S	F	1	11
Chub, Virgin River	6	E	S	F	1	2	D	F	1	16c
Chub, Yaqui	2	E,CH	S	F	1	8	S	F	1	8
Chub, bonytail	6	E,CH	U	RU(1)	1	5c	D	F	1	3c
Chub, humpback	6	E,CH	S	RU(3)	3	2c	S	F	3	5
Chub, slender	4	T,CH	D	F	1	5	D	F	1	11
Chub, spotfin (=turquoise shiner)	4	T,CH	U	F	1	11	U	F	1	11
Cui-ui	1	E	I	RU(3)	3	2	I	RU(3)	4	6
Dace, Ash Meadows speckled	1	E,CH	D	F	2	9	D	F	2	9
Dace, Clover Valley speckled	1	E	U	F	1	9c	U	F	1	9c
Dace, Foskett speckled	1	T	S	F	2	9	S	F	2	9
Dace, Independence Valley speckled	1	E	S	F	2	6c	S	F	2	6c
Dace, Kendall Warm Springs	6	E	S	F	3	12	S	F	3	12
Dace, Moapa	1	E	D	R(1)	2	1	D	R(1)	2	1
Dace, blackside	4	T	S	F	1	11	S	F	1	11
Dace, desert	1	T,CH	S	F	2	7c	S	F	2	7c
Darter, Cherokee	4	T	S	D	1	8	S	U	1	8
Darter, Etowah	4	E	S	D	1	2	S	U	1	2
Darter, Maryland	5	E,CH	U	F	1	8	U	F	1	8
Darter, Niangua	3	T,CH	S	F	2	8	S	F	2	8
Darter, Okaloosa	4	E	I	R(1)	2	11	I	RU(1)	2	11

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Darter, amber	4	E,CH	S	F	1	5	S	F	1	5									
Darter, bayou	4	T	S	R(1)	1	8c	S	R(1)	1	8c									
Darter, bluemask (=jewel)	4	E	S	F	1	5	S	F	1	5									
Darter, boulder (=Elk River)	4	E	S	F	1	5	S	F	1	5									
Darter, duskytail	4	E	I	F	1	2	I	F	1	2									
Darter, fountain	2	E,CH	D	R(1)	1	2c	D	R(1)	1	2c									
Darter, goldline	4	T	S	D	1	8	U	D	1	8									
Darter, leopard	2	T,CH	D	RU(2)	2	11c	D	RU(2)	2	11c									
Darter, relict	4	E	S	F	1	5	S	F	1	5									
Darter, slackwater	4	T,CH	U	F	1	8	U	F	1	8									
Darter, snail	4	T	U	F	1	11	U	F	1	11									
Darter, watercress	4	E	I	R(2)	1	2	I	R(2)	1	2									
Gambusia, Big Bend	2	E	U	F	2	2	S	F	2	2									
Gambusia, Clear Creek	2	E	S	F	2	2	S	F	2	2									
Gambusia, Pecos	2	E	D	F	2	2	S	F	2	2									
Gambusia, San Marcos	2	E,CH	E	R(1)	1	2c	E	R(1)	1	2c									
Goby, tidewater	1	E	I	U	3	7c	I	U	3	7c									
Logperch, Conasauga	4	E,CH	S	F	1	5	S	F	1	5									
Logperch, Roanoke	5	E	S	F	1	5c	S	F	1	5c									
Madtom, Neosho	6	T	D	F	1	11c	S	F	1	11c									
Madtom, Scioto	3	E	U	NA	1	5	U	NA	1	2									
Madtom, pygmy	4	E	U	F	1	5	U	F	1	5									
Madtom, smoky	4	E,CH	I	F	1	5	I	F	1	5									
Madtom, yellowfin	4	T,CH	D	F	1	11	D	F	1	11									
Minnnow, Devils River	2	T	U	U	1	2													
Minnnow, Rio Grande silvery	2	E	D	F	1	2c	D	F	1	2c									
Minnnow, loach	2	T,CH	D	F	1	4c	D	F	1	4c									
Pikeminnow (=squawfish), Colorado	6	E,CH	I	RU(1)	2	8c	S	RD(1)	1	8c									
Poolfish, Pahrump	1	E	D	F	2	11	D	F	2	11									
Pupfish, Ash Meadows Amargosa	1	E,CH	I	F	4	15	I	F	4	15									
Pupfish, Comanche Springs	2	E	D	RU(1)	1	2	D	RU(1)	1	2									
Pupfish, Devils Hole	1	E	D	R(1)	2	11	D	R(1)	2	11									
Pupfish, Leon Springs	2	E,CH	I	F	2	2	D	F	1	2									
Pupfish, Owens	1	E	U	R(2)	1	2	S	R(2)	1	5									
Pupfish, Warm Springs	1	E	S	R(1)	2	9	S	R(1)	2	9									
Pupfish, desert	2	E,CH	S	F	1	2c	S	F	1	2c									
Sculpin, pygmy	4	T	S	F	1	8	S	F	1	8									
Shiner, Arkansas River -- (Arkansas R. Basin)	2	T	D	U	1	5c													
Shiner, Cahaba	4	E	I	F	1	2	I	F	1	2									
Shiner, Cape Fear	4	E,CH	S	F	2	5	S	F	2	5									
Shiner, Pecos bluntnose	2	T,CH	S	F	3	3	S	F	3	3									
Shiner, Topeka	6	E	U	U	1	8c													
Shiner, beautiful	2	T,CH	D	F	1	2	D	F	1	2									
Shiner, blue	4	T	S	F	1	8	S	F	1	8									
Shiner, palezone	4	E	S	F	1	5	S	F	1	5									
Silverside, Waccamaw	4	T,CH	S	F	1	8	S	F	1	8									
Smelt, delta	1	T,CH	U	F	1	2c	U	F	1	2c									
Spikedace	2	T,CH	D	F	1	4c	D	F	1	4c									
Spinedace, Big Spring	1	T,CH	D	F	1	3	D	F	2	3									
Spinedace, Little Colorado	2	T,CH	D	F	1	2	D	F	1	2									

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Spinedace, White River	1	E,CH	I	F	2	2c	I	F	1	2c
Splittail, Sacramento	1	T	U	F	1	1c				
Springfish, Hiko White River	1	E,CH	S	F	1	3c	S	F	1	3c
Springfish, Railroad Valley	1	T,CH	D	F	1	2c	S	F	1	2c
Springfish, White River	1	E,CH	S	F	1	3c	S	F	1	3c
Stickleback, unarmored threespine	1	E	U	RD(1)	1	3	U	RD(1)	1	3
Sturgeon, Alabama	4	E	U	U	1	5				
Sturgeon, Gulf	4	T	U	F	1	12	U	F	1	12
Sturgeon, Kootenai River white	1	E	D	F	1	3c	I	F	1	3c
Sturgeon, pallid	6	E	D	RU(1)	1	2c	D	RU(1)	1	2c
Sucker, June	6	E,CH	D	F	1	5c	D	D	1	5c
Sucker, Lost River	1	E	U	F	1	4c	U	F	1	4c
Sucker, Modoc	1	E,CH	I	NA	2	5	I	NA	2	5
Sucker, Santa Ana -- (3 CA river basins)	1	T	S	U	1	8				
Sucker, Warner	1	T,CH	S	F	1	2c	S	F	1	2c
Sucker, razorback	6	E,CH	U	RU(1)	1	1c	D	D	1	1c
Sucker, shortnose	1	E	U	F	1	8c	U	F	1	8c
Topminnow, Gila	2	E	D	RD(1)	1	9c	D	RD(1)	1	9c
Topminnow, Yaqui	2	E	D	RD(1)	2	2	D	RD(1)	2	2
Trout, Apache (=Arizona)	2	T	I	RD(2)	3	8	I	RD(2)	3	8
Trout, Gila	2	E	I	R(2)	3	2	S	R(2)	2	2
Trout, Lahontan cutthroat	1	T	U	RU(2)	1	3	U	RU(2)	1	2
Trout, Little Kern golden	1	T,CH	S	NA	2	9	I	NA	3	9
Trout, Paiute cutthroat	1	T	I	RU(1)	2	9	I	F	2	9
Trout, bull -- (U.S.A., coterminous, lower 48 st	1	T	S	U	1	9	U	U	1	9
Trout, greenback cutthroat	6	T	S	F	3	15	I	F	3	15
Woundfin	6	E	D	F	1	1c	D	F	1	18
Clams										
Acornshell, southern	4	E	D	D	1	5	D	D	1	5
Bankclimber (mussel), purple	4	T	U	D	1	11	U	D	1	11
Bean (mussel), purple	4	E	D	D	1	5	D	D	1	5
Clubshell	5	E	U	F	1	5	U	F	1	5
Clubshell, black (=Curtus' mussel)	4	E	U	F	1	5c	D	F	1	5c
Clubshell, ovate	4	E	D	D	1	5	D	D	1	5
Clubshell, southern	4	E	D	D	1	5	D	D	1	5
Combshell, Cumberlandian	4	E	D	D	1	5	D	D	1	5
Combshell, southern (=penitent mussel)	4	E	D	F	1	2c	D	F	1	2c
Combshell, upland	4	E	D	D	1	5	D	D	1	5
Elktoe, Appalachian	4	E	S	F	1	5	S	F	1	5
Elktoe, Cumberland	4	E	U	D	1	5	D	D	1	5
Fanshell	4	E	D	F	1	5	D	F	1	5
Fatmucket, Arkansas	4	T	U	F	1	8	U	F	1	8
Heelsplitter, Carolina	4	E	D	F	1	5	D	F	1	5
Heelsplitter, inflated	4	T	D	F	1	8c	D	F	1	8c
Kidneyshell, triangular	4	E	D	D	1	5	D	D	1	5
Lampmussel, Alabama	4	E	D	F	1	5	D	F	1	5
Moccasinshell, Alabama	4	T	D	D	1	8	D	D	1	8
Moccasinshell, Coosa	4	E	D	D	1	5	D	D	1	5
Moccasinshell, Gulf	4	E	U	D	1	5	U	D	1	5

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Moccasinshell, Ochlockonee	4	E	U	D	1	5	U	D	1	5
Mucket, orange-nacre	4	T	D	D	1	8	D	D	1	8
Mussel, dwarf wedge	5	E	S	F	2	5	S	F	2	5
Mussel, oyster	4	E	D	D	1	5	D	D	1	5
Mussel, ring pink	4	E	D	F	1	5	D	F	1	5
Mussel, winged mapleleaf	3	E	D	F	1	2c	S	F	1	2c
Pearlshell, Louisiana	4	T	U	F	2	8	U	F	2	8
Pearlymussel, Appalachian monkeyface	4	E	D	F	1	5	D	F	1	5
Pearlymussel, Cumberland bean	4	E	D	F	1	5c	D	F	1	5c
Pearlymussel, Cumberland monkeyface	4	E	D	F	1	5c	D	F	1	5c
Pearlymussel, Curtis'	3	E	D	F	1	6	D	F	1	6
Pearlymussel, Higgins' eye	3	E	D	RD(1)	2	5c	D	RU(1)	2	5c
Pearlymussel, birdwing	4	E	D	F	1	4c	D	F	1	4c
Pearlymussel, cracking	4	E	D	F	1	4	D	F	1	4
Pearlymussel, dromedary	4	E	D	F	1	4c	D	F	1	4c
Pearlymussel, green-blossom	4	E	D	F	1	6	D	F	1	6
Pearlymussel, little-wing	4	E	D	F	1	4	D	F	1	4
Pearlymussel, orange-foot pimpleback	4	E	D	F	1	5	D	F	1	5
Pearlymussel, pale lilliput	4	E	D	F	1	5	D	F	1	5
Pearlymussel, pink mucket	4	E	D	F	1	5	D	F	1	5
Pearlymussel, purple cat's paw	3	E	D	RU(1)	1	6	D	F	1	6
Pearlymussel, tubercled-blossom	4	E	E	F	1	6	E	F	1	6
Pearlymussel, turgid-blossom	4	E	E	F	1	5	E	F	1	5
Pearlymussel, white cat's paw	3	E	D	RU(1)	1	6c	D	F	1	6
Pearlymussel, white wartyback	4	E	D	F	1	5	D	F	1	5
Pearlymussel, yellow-blossom	4	E	E	F	1	6	E	F	1	5
Pigtoe, Cumberland	4	E	U	F	1	5	D	F	1	5
Pigtoe, dark	4	E	D	D	1	5	D	D	1	5
Pigtoe, fine-rayed	4	E	D	F	1	5	D	F	1	5
Pigtoe, flat (=Marshall's mussel)	4	E	D	F	1	5	D	F	1	5
Pigtoe, heavy (=Judge Tait's mussel)	4	E	D	F	1	5c	D	F	1	5c
Pigtoe, oval	4	E	U	D	1	5	U	D	1	5
Pigtoe, rough	4	E	D	F	1	5	D	F	1	5
Pigtoe, shiny	4	E	D	F	1	5	D	F	1	5
Pigtoe, southern	4	E	D	D	1	5	D	D	1	5
Pocketbook, fat	4	E	I	R(1)	2	2c	I	R(1)	2	2c
Pocketbook, fine-lined	4	T	D	D	1	8	D	D	1	8
Pocketbook, shinyrayed	4	E	U	D	1	5	U	D	1	5
Pocketbook, speckled	4	E	U	F	1	5	U	F	1	5
Rabbitsfoot, rough	4	E	D	D	1	6	D	D	1	5
Riffleshell, northern	5	E	D	F	1	6	D	F	1	6
Riffleshell, tan	4	E	D	F	1	5	D	F	1	5
Rock-pocketbook, Ouachita	2	E	D	D	1	4c	D	D	1	4c
Slabshell, Chipola	4	T	U	D	1	11	U	D	1	11
Spinymussel, James River (=Virginia)	5	E	U	F	1	5	U	F	1	5
Spinymussel, Tar River	4	E	D	R(1)	2	5	D	R(1)	2	5
Stirrupshell	4	E	D	F	1	5	D	F	1	5
Three-ridge (mussel), fat	4	E	U	D	1	5	U	D	1	5

Snails

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Ambersnail, Kanab	6	E	U	F	2	6c	U	F	2	6c
Campeloma, slender	4	E	U	U	1	5				
Elimia, lacy	4	T	D	U	1	8				
Limpet, Banbury Springs	1	E	S	F	1	8	S	F	1	8
Lioplax, cylindrical	4	E	D	U	1	8				
Marstonia (snail), royal (=obese)	4	E	S	F	2	5	S	F	1	5
Pebblesnail, flat	4	E	D	U	1	5				
Riversnail, Anthony's	4	E	S	F	1	5	S	F	1	5
Rocksnailed, painted	4	T	D	U	1	8				
Rocksnailed, plicate	4	E	D	U	1	5c				
Rocksnailed, round	4	T	D	U	1	8				
Shagreen, Magazine Mountain	4	T	S	F	4	8	S	F	3	8
Snail, Bliss Rapids	1	T	S	F	1	7c	S	F	1	7c
Snail, Chittenango ovate amber	5	T	D	RD(1)	1	5	D	RD(1)	1	5
Snail, Iowa Pleistocene	3	E	S	F	3	14	S	F	3	14
Snail, Morro shoulderband (=Banded dune)	1	E	I	F	1	8c	I	F	1	8c
Snail, Newcomb's	1	T	S	U	1	8c				
Snail, Snake River physa	1	E	D	F	1	5c	D	F	1	5c
Snail, Stock Island tree	4	T	U	RD(1)	1	3	D	RD(1)	1	3
Snail, Utah valvata	1	E	I	F	1	5	S	F	1	5
Snail, Virginia fringed mountain	5	E	S	F	1	4	S	F	1	4
Snail, armored	4	E	U	U	1	5				
Snail, flat-spined three-toothed	5	T	S	F	2	8	S	F	2	8
Snail, noonday	4	T	S	F	1	9	S	F	1	9
Snail, painted snake coiled forest	4	T	U	F	1	8	U	F	1	8
Snail, tulotoma (=Alabama live-bearing)	4	E	I	D	3	5	I	D	2	5
Snails, Oahu tree (29-41 spp.)	1	E	D	F	1	2	D	F	1	2
Springsnail, Alamosa	2	E	S	F	1	14	U	F	1	14
Springsnail, Bruneau Hot	1	E	D	U	1	2c	D	U	1	2
Springsnail, Idaho	1	E	I	F	1	5c	U	F	1	5c
Springsnail, Socorro	2	E	U	F	1	14	U	F	1	14

Insects

Beetle, American burying (=giant carrion)	5	E	S	F	2	5c	S	F	2	5c
Beetle, Coffin Cave mold	2	E	D	F	1	2c	U	F	1	2c
Beetle, Comal Springs dryopid	2	E	D	U	1	1c	D	U	1	1c
Beetle, Comal Springs riffle	2	E	D	U	1	2c	D	U	1	2c
Beetle, Hungerford's crawling water	3	E	U	U	1	5	U	U	1	5
Beetle, Kretschmarr Cave mold	2	E	D	F	1	2c	U	F	1	2c
Beetle, Mount Hermon June	1	E	U	F	1	8	U	F	1	8
Beetle, Puritan tiger	5	T	S	F	1	5	S	F	1	5
Beetle, Tooth Cave ground	2	E	D	F	1	2c	U	F	1	2c
Beetle, delta green ground	1	T,CH	U	RU(1)	2	8	U	RU(1)	2	8
Beetle, northeastern beach tiger	5	T	U	F	1	6	D	F	1	6
Beetle, valley elderberry longhorn	1	T,CH	U	F	1	9	U	F	1	9
Butterfly, Behren's silverspot	1	E	U	U	1	3	U	U	1	3
Butterfly, El Segundo blue	1	E	S	F	1	12	D	F	1	12
Butterfly, Fender's blue	1	E	D	U	1	3				
Butterfly, Karner blue	3	E	I	U	2	5	I	U	2	5
Butterfly, Lange's metalmark	1	E	D	F	3	9	I	F	3	9

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Butterfly, Mitchell's satyr	3	E	S	F	2	3	S	F	2	3
Butterfly, Myrtle's silverspot	1	E	U	F	1	9	U	F	1	9
Butterfly, Oregon silverspot	1	T,CH	D	RD(1)	2	3c	D	RU(1)	2	3c
Butterfly, Palos Verdes blue	1	E,CH	D	RU(1)	1	6	D	RU(1)	1	6
Butterfly, Quino checkerspot	1	E	D	U	1	3c	D	U	1	3c
Butterfly, Saint Francis' satyr	4	E	D	F	1	3	D	F	1	3
Butterfly, San Bruno elfin	1	E	S	F	2	9	S	F	2	9
Butterfly, Schaus swallowtail	4	E	I	RD(1)	1	3c	I	RD(1)	1	3c
Butterfly, Smith's blue	1	E	U	F	1	9	U	F	1	9
Butterfly, Uncompahgre fritillary	6	E	I	F	4	5c	I	F	4	5c
Butterfly, bay checkerspot	1	T	S	F	1	3c	D	F	1	3c
Butterfly, callippe silverspot	1	E	S	U	1	9c	S	U	1	9c
Butterfly, lotis blue	1	E	U	F	1	6c	U	F	1	6c
Butterfly, mission blue	1	E	S	F	2	9	U	F	2	9
Dragonfly, Hine's (=Ohio) emerald	3	E	S	D	1	5	S	U	1	5
Fly, Delhi Sands flower-loving	1	E	D	F	1	6c	D	F	1	6c
Grasshopper, Zayante band-winged	1	E	U	F	1	8	U	F	1	8
Moth, Blackburn's sphinx	1	E	S	U	1	2c				
Moth, Kern primrose sphinx	1	T	D	F	1	2	D	F	1	2
Naucorid, Ash Meadows	1	T,CH	I	F	2	8	I	F	2	8
Skipper, Laguna Mountains	1	E	D	U	1	3c	U	U	1	3c
Skipper, Pawnee montane	6	T	S	F	2	9c	S	F	2	9c

Arachnids

Harvestman, Bee Creek Cave	2	E	D	F	1	2c	U	F	1	2c
Harvestman, Bone (=Bee Creek) Cave	2	E	D	F	1	2c	U	F	1	2c
Pseudoscorpion, Tooth Cave	2	E	D	F	1	2c	U	F	1	2c
Spider, Kauai cave wolf or pe'e pe'e maka 'ole	1	E	S	U	1	1c				
Spider, Tooth Cave	2	E	D	F	1	2c	U	F	1	2c
Spider, spruce-fir moss	4	E	D	F	1	5	D	F	1	5

Crustaceans

Amphipod, Hay's Spring	5	E	I	NA	3	5	I	NA	3	5
Amphipod, Illinois cave	3	E	D	U	1	2	D	U	1	2
Amphipod, Kauai cave	1	E	S	U	1	1c				
Amphipod, Peck's cave	2	E	D	U	1	2c	D	U	1	2c
Crayfish, Nashville	4	E	S	F	1	11c	U	F	1	11c
Crayfish, Shasta (=placid)	1	E	D	F	1	5	D	F	1	5
Crayfish, cave (Cambarus aculabrum)	4	E	S	F	1	5	S	F	1	5
Crayfish, cave (Cambarus zophonastes)	4	E	S	F	1	5	S	F	1	5
Fairy shrimp, Conservancy	1	E	U	U	1	8	U	U	1	8
Fairy shrimp, Riverside	1	E	S	F	1	6c	D	F	1	6c
Fairy shrimp, San Diego	1	E	S	F	1	2c	D	F	1	2c
Fairy shrimp, longhorn	1	E	U	U	1	8	U	U	1	8
Fairy shrimp, vernal pool	1	T	D	U	1	2c	D	U	1	2c
Isopod, Lee County cave	5	E	U	F	1	8	U	F	1	8
Isopod, Madison Cave	5	T	I	F	2	4	I	F	2	4
Isopod, Socorro	2	E	S	F	4	2	S	F	4	2
Shrimp, Alabama cave	4	E	S	F	1	5	S	F	1	5
Shrimp, California freshwater	1	E	U	F	1	8c	U	F	1	8c

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Shrimp, Kentucky cave	4	E,CH	U	F	1	5	U	F	1	5
Shrimp, Squirrel Chimney Cave	4	T	D	NA	1	5c	D	NA	1	5c
Tadpole shrimp, vernal pool	1	E	D	U	1	2c	D	U	1	2c

Flowering Plants

A`e (Zanthoxylum dipetalum var. tomentosum)	1	E	D	F	1	6	D	F	1	6
A`e (Zanthoxylum hawaiiense)	1	E	U	F	1	2	U	F	1	2
Abutilon eremitopetalum [NCN]	1	E	S	F	1	2	S	F	1	2
Abutilon sandwicense [NCN]	1	E	S	F	1	8	S	F	1	8
Achyranthes mutica [NCN]	1	E	U	F	1	2	U	F	1	2
Agave, Arizona	2	E	U	U	1	17	U	U	1	17
Aiakeakua, popolo	1	E	U	F	1	2	U	F	1	2
Aiea (Nothoecstrum breviflorum)	1	E	U	F	1	5	U	F	1	5
Aiea (Nothoecstrum peltatum)	1	E	U	F	1	5	U	F	1	5
Akoko (Chamaesyce celastroides kaenana)	1	E	S	F	1	9	S	F	1	9
Akoko (Chamaesyce deppeana)	1	E	D	F	1	5	D	F	1	5
Akoko (Chamaesyce herbstii)	1	E	D	F	1	8	D	F	1	8
Akoko (Chamaesyce kuwaleana)	1	E	U	F	1	8	U	F	1	8
Akoko (Chamaesyce rockii)	1	E	U	F	1	8	U	F	1	8
Akoko (Euphorbia haeleleana)	1	E	D	F	1	5	D	F	1	5
Akoko, Ewa Plains	1	E	S	D	1	9	S	D	1	9
Alani	1	E	D	U	1	8				
Alani (Melicope adscendens)	1	E	D	F	1	5	S	F	1	5
Alani (Melicope balloui)	1	E	E	F	1	5	E	F	1	5
Alani (Melicope hauptuensis)	1	E	D	F	1	5	D	F	1	5
Alani (Melicope knudsenii)	1	E	D	F	1	5	D	F	1	5
Alani (Melicope lydgatei)	1	E	I	F	1	5	D	F	1	5
Alani (Melicope mucronulata)	1	E	D	F	1	5	U	F	1	5
Alani (Melicope ovalis)	1	E	U	F	1	5	U	F	1	5
Alani (Melicope pallida)	1	E	U	F	1	5	U	F	1	5
Alani (Melicope quadrangularis)	1	E	E	F	1	5	U	F	1	5
Alani (Melicope reflexa)	1	E	U	F	1	8	U	F	1	8
Alani (Melicope saint-johnii)	1	E	U	F	1	8	U	F	1	8
Alani (Melicope zahlbruckneri)	1	E	S	F	1	2	U	F	1	2
Allocarya, Calistoga	1	E	U	U	1	2c	U	U	1	2c
Alopecurus, Sonoma	1	E	U	U	1	9	U	U	1	9
Alsinidendron obovatum [NCN]	1	E	D	F	1	5	D	F	1	5
Alsinidendron trinerve [NCN]	1	E	D	F	1	5	D	F	1	5
Alsinodendron viscosum [NCN]	1	E	D	F	1	2	D	F	1	2
Amaranth, seabeach	4	T	D	F	1	8c	D	F	1	8c
Amaranthus brownii [NCN]	1	E	D	F	1	5	D	F	1	5
Ambrosia, south Texas	2	E	S	U	1	8	S	U	1	8
Amole, purple	1	T	U	U	1	8				
Amphianthus, little	4	T	S	F	1	13	S	F	1	13
Anaunau (Lepidium arbuscula)	1	E	U	F	1	8	U	F	1	8
Anunu (Sicyos alba)	1	E	D	F	1	2	U	F	1	2
Aristida chaseae [NCN]	4	E	S	F	1	5c	S	F	1	5c
Arrowhead, bunched	4	E	D	F	1	2c	D	F	1	2c
Aster, Florida golden	4	E	S	F	1	5	S	F	1	5
Aster, Ruth's golden	4	E	S	F	2	5c	D	F	1	8c

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Aster, decurrent false	3	T	S	F	3	8	S	F	3	9c
Auerodendron pauciflorum [NCN]	4	E	S	F	1	5	S	F	1	5
Aupaka (Isodendron hosakae)	1	E	D	F	1	5	D	F	1	5
Aupaka (Isodendron laurifolium)	1	E	D	F	1	8	D	F	1	8
Aupaka (Isodendron longifolium)	1	T	D	F	1	8	D	F	1	8
Avens, spreading	4	E	D	F	1	2	D	F	1	2
Awikiwiki	1	E	U	F	1	2	U	F	1	2
Awiwi (Centaurium sebaeoides)	1	E	D	F	1	2	D	F	1	2
Awiwi (Hedyotis cookiana)	1	E	D	F	1	5	D	F	1	5
Ayenia, Texas	2	E	S	U	1	5	S	U	1	5
Baccharis, Encinitis	1	T	D	U	1	5c	D	U	1	5c
Barberry, Nevin's	1	E	S	U	1	2				
Barberry, Truckee	1	E	S	F	4	14	S	F	4	14
Barberry, island	1	E	D	F	1	2	D	D	1	2
Bariaco	4	E	S	F	1	11	S	F	1	11
Beaked-rush, Knieskern's	5	T	S	F	2	14	S	F	2	14
Bear-poppy, dwarf	6	E	D	F	1	5c	D	F	1	5c
Beardtongue, Penland	6	E	S	F	1	14	S	F	1	14
Beargrass, Britton's	4	E	S	R(1)	2	8	D	R(1)	1	8
Beauty, Harper's	4	E	I	F	1	7	I	F	1	7
Bedstraw, El Dorado	1	E	U	D	1	6c	U	D	1	6c
Bedstraw, island	1	E	U	F	1	2	U	D	1	2
Bellflower, Brooksville	4	E	U	F	1	8	U	F	1	8
Birch, Virginia round-leaf	5	T	I	R(2)	4	14	I	R(2)	4	8
Bird's beak, palmate-bracted	1	E	S	F	1	2c	S	F	1	2c
Bird's-beak, Pennell's	1	E	U	F	1	6	U	F	1	2
Bird's-beak, salt marsh	1	E	S	F	2	6	S	F	2	6
Bird's-beak, soft	1	E	S	U	1	9c	S	U	1	3c
Birds-in-a-nest, white	4	T	U	F	1	8	U	F	1	8
Bittercress, small-anthered	4	E	D	F	1	5	D	F	1	5
Bladderpod, Dudley Bluffs	6	T	S	F	2	14	S	F	2	14
Bladderpod, Missouri	3	E	S	F	3	8	S	F	3	8
Bladderpod, San Bernardino Mountains	1	E	D	D	1	9	D	D	1	9
Bladderpod, Spring Creek	4	E	D	U	1	2	S	U	1	2
Bladderpod, Zapata	2	E	U	U	1	5c				
Bladderpod, kodachrome	6	E	S	D	2	11	S	D	2	11
Bladderpod, lyrate	4	T	S	F	1	8	S	F	1	8
Bladderpod, white	2	E	S	F	1	5	S	F	1	8
Blazingstar, Ash Meadows	1	T,CH	U	F	2	8	U	F	2	8
Blazingstar, Heller's	4	T	I	RD(1)	2	8	I	RD(1)	2	8
Blazingstar, scrub	4	E	I	RD(2)	2	2	U	RD(2)	2	2
Blue-star, Kearney's	2	E	U	F	1	2	U	F	1	2
Bluecurls, Hidden Lake	1	E	S	U	1	9	S	U	1	9
Bluegrass, Hawaiian	1	E	D	F	1	5	U	F	1	5
Bluegrass, Mann's	1	E	D	F	1	5	D	F	1	5
Bluegrass, Napa	1	E	U	U	1	2c	U	U	1	2c
Bluegrass, San Bernardino	1	E	D	U	1	2	D	U	1	2
Bluet, Roan Mountain	4	E	D	F	1	6	D	F	1	6
Bonamia menziesii [NCN]	1	E	D	F	1	5	U	F	1	5
Bonamia, Florida	4	T	I	R(1)	3	8	I	R(1)	3	8

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Boxwood, Vahl's	4	E	S	F	1	5	D	F	1	5
Brodiaea, Chinese Camp	1	T	U	U	1	2c	U	U	1	2c
Brodiaea, thread-leaved	1	T	S	U	1	2				
Broom, San Clemente Island	1	E	S	F	2	9	I	F	2	9
Buckwheat, Ione	1	E	U	U	1	2c				
Buckwheat, clay-loving wild	6	E,CH	S	F	2	5	S	F	2	5
Buckwheat, cushenbury	1	E	D	D	1	9	D	D	1	9
Buckwheat, gypsum wild	2	T,CH	S	F	2	8	S	F	2	8
Buckwheat, scrub	4	T	S	R(1)	2	15	D	R(1)	1	15
Buckwheat, steamboat	1	E	D	F	1	6c	D	F	1	6c
Bulrush, Northeastern (=barbed bristle)	5	E	S	F	3	14	S	F	3	14
Bush-clover, prairie	3	T	S	F	4	8	I	F	4	8
Bush-mallow, San Clemente Island	1	E	S	F	2	8	I	F	2	8
Bush-mallow, Santa Cruz Island	1	E	U	F	1	3	U	D	1	3
Buttercup, autumn	6	E	D	F	2	5	D	F	2	6
Butterweed, Layne's	1	T	U	D	1	5c	U	D	1	5c
Butterwort, Godfrey's	4	T	S	F	1	14	S	F	1	14
Button, Mohr's Barbara	4	T	I	F	1	14	I	F	1	14
Button-celery, San Diego	1	E	S	F	1	3c	D	F	1	3c
Cactus, Arizona hedgehog	2	E	U	U	1	5c	U	U	1	5c
Cactus, Bakersfield	1	E	S	F	1	3c	S	F	1	3c
Cactus, Brady pincushion	2	E	U	F	1	2	S	F	2	2
Cactus, Chisos Mtn. hedgehog	2	T	U	F	1	9	U	F	1	9
Cactus, Cochise pincushion	2	T	U	F	1	8	D	F	1	8
Cactus, Key tree	4	E	S	RD(1)	3	5c	S	RD(1)	3	5c
Cactus, Knowlton	2	E	S	F	2	2	U	F	2	2
Cactus, Kuenzler hedgehog	2	E	I	F	2	3	S	F	1	3
Cactus, Lee pincushion	2	T	S	F	2	3	S	F	2	3
Cactus, Lloyd's Mariposa	2	T	S	F	1	2	S	F	1	2
Cactus, Lloyd's hedgehog	2	E	U	NA	1	8	U	NA	1	8
Cactus, Mesa Verde	2	T	S	RU(1)	1	8c	S	F	1	8c
Cactus, Nellie cory	2	E	U	F	1	2	U	F	1	2
Cactus, Nichol's Turk's head	2	E	U	F	1	5c	U	F	1	5c
Cactus, Peebles Navajo	2	E	D	F	1	3	U	F	1	3
Cactus, Pima pineapple	2	E	U	U	1	8c	U	U	1	8c
Cactus, San Rafael	6	E	S	D	1	11	S	D	1	11
Cactus, Siler pincushion	2	T	S	F	3	8	S	F	3	8
Cactus, Sneed pincushion	2	E	S	F	2	9	S	F	2	9
Cactus, Tobusch fishhook	2	E	D	F	1	2	D	F	1	2
Cactus, Unita Basin hookless	6	T	S	F	4	14	S	F	4	14
Cactus, Winkler	6	T	D	D	1	11	D	D	1	11
Cactus, Wright fishhook	6	E	S	F	3	17	S	F	3	17
Cactus, black lace	2	E	U	F	1	3	U	F	1	3
Cactus, bunched cory	2	T	D	F	1	8	D	F	1	8
Cactus, star	2	E	U	D	1	2	U	D	1	2
Calyptranthes thomasiana [NCN]	4	E	U	F	1	11	U	F	1	11
Campion, fringed	4	E	D	D	1	8	D	D	1	8
Capa rosa	4	E	S	F	1	11	S	F	1	11
Cat's-eye, Terlingua Creek	2	E	D	F	1	5c	D	F	1	5c
Catesbaea melanocarpa [NCN]	4	E	D	D	1	5				

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Ceanothus, Pine Hill	1	E	U	D	1	5c	U	D	1	5c
Ceanothus, Vail Lake	1	T	D	U	1	2				
Ceanothus, coyote	1	E	U	F	1	14	U	F	1	14
Centauray, spring-loving	1	T,CH	I	F	4	14	I	F	4	14
Chaff-flower, round-leaved	1	E	S	D	1	3	S	D	1	3
Chaffseed, American	5	E	S	F	1	7	S	F	1	7
Chamaecrista glandulosa var. mirabilis [NCN]	4	E	D	F	1	2	D	F	1	2
Chamaesyce halemanui [NCN]	1	E	S	F	1	5	S	F	1	5
Checker-mallow, Kenwood Marsh	1	E	U	U	1	3c	U	U	1	3c
Checker-mallow, Nelson's	1	T	D	F	1	5	D	F	1	5
Checker-mallow, pedate	1	E	D	F	1	5c	D	F	1	5c
Checkermallow, Keck's	1	E	S	U	2	8				
Checkermallow, Wenatchee Mountains	1	E	S	U	1	3				
Chumbo, higo	4	T	S	F	2	14	D	F	1	14
Chupacallos (=chupagallos)	4	E	S	F	1	8	S	F	1	8
Cinquefoil, Robbins'	5	E,CH	I	R(1)	4	2	I	R(1)	4	2
Clarkia, Pismo	1	E	D	F	1	2c	D	F	1	2c
Clarkia, Presidio	1	E	U	F	1	5	U	F	1	5
Clarkia, Springville	1	T	U	U	1	8	U	U	1	8
Clarkia, Vine Hill	1	E	U	U	1	5	U	U	1	5
Cliff-rose, Arizona	2	E	U	F	1	2	U	F	1	2
Clover, Monterey (=Del Monte)	1	E	U	U	1	8	U	U	1	8
Clover, running buffalo	3	E	I	RU(1)	3	2	I	RU(1)	3	2
Clover, showy Indian	1	E	D	U	1	2	D	U	1	2
Cobana negra	4	T	S	F	2	5	S	F	1	5
Coneflower, Tennessee purple	4	E	S	F	3	8	I	R(1)	4	8
Coneflower, smooth	4	E	D	F	1	5	D	F	1	5
Cordia bellonis [NCN]	4	E	S	F	1	5	D	F	1	5
Cranichis ricartii [NCN]	4	E	U	F	1	5	U	F	1	5
Cress, toad-flax	6	E	D	F	1	10c	D	F	1	10c
Crownbeard, big-leaved	1	T	D	U	1	3c	D	U	1	3c
Crownscale, San Jacinto Valley	1	E	D	U	1	3				
Cycladenia, Jones	6	T	S	U	1	8	S	U	1	8
Daisy, Maguire	6	T	S	F	3	14	S	F	3	14
Daisy, Parish's	1	T	D	D	1	8	D	D	1	8
Daisy, Willamette	1	E	D	U	1	3				
Daisy, lakeside	3	T	S	F	3	8	S	F	3	8
Daphnopsis hellerana [NCN]	4	E	D	F	1	5	D	F	1	5
Dawn-flower, Texas prairie	2	E	S	F	1	5c	S	F	1	8c
Delissea rhytidosperra [NCN]	1	E	D	F	1	5	U	F	1	5
Delissea undulata [NCN]	1	E	S	F	1	5	U	F	1	5
Diablo, pelos del	4	E	U	F	1	5c	U	F	1	5c
Dogweed, ashy	2	E	S	F	1	5	S	F	1	5
Dropwort, Canby's	4	E	S	F	2	5	S	F	2	5
Dubautia latifolia [NCN]	1	E	I	F	1	5	D	F	1	5
Dubautia pauciflora [NCN]	1	E	U	F	1	8	U	F	1	8
Dudleya, Conejo	1	T	D	D	1	2c	D	D	1	2c
Dudleya, Santa Clara Valley	1	E	D	F	1	2c	D	F	1	2c
Dudleya, Santa Cruz Island	1	T	U	F	1	8	U	D	1	8
Dudleya, Verity's	1	T	D	D	1	2c	U	D	1	8

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Dudleya, marcescent	1	T	U	D	1	9	U	D	1	9
Dudleyea, Santa Monica Mountains	1	T	D	D	1	6	U	D	1	6
Dwarf-flax, Marin	1	T	U	F	1	8c	U	F	1	8c
Erubia	4	E	S	F	1	2c	S	F	1	2c
Eugenia woodburyana [NCN]	4	E	S	F	1	5	S	F	1	5
Evening-primrose, Antioch Dunes	1	E,CH	D	F	1	9	D	F	2	9
Evening-primrose, Eureka Valley	1	E	S	F	2	9	S	F	2	9
Evening-primrose, San Benito	1	T	S	D	1	5	D	D	1	5
Fiddleneck, large-flowered	1	E,CH	D	F	2	5	D	F	2	5
Flannelbush, Mexican	1	E	S	U	1	2				
Flannelbush, Pine Hill	1	E	U	D	1	6c	U	D	1	6c
Fleabane, Rhizome	2	T	S	F	2	8	S	F	2	8
Four-o'clock, MacFarlane's	1	T	S	R(1)	2	8	S	RD(1)	2	8
Frankenia, Johnston's	2	E	S	F	4	5	I	F	4	5
Fringe-tree, pygmy	4	E	I	RD(2)	2	2	I	RD(2)	2	2
Fringepod (=lacepod), Santa Cruz Island	1	E	D	F	1	2	D	D	1	2
Fritillaria, Gentner's	1	E	D	U	1	5				
Gahnia lanaiensis [NCN]	1	E	S	F	1	5	S	F	1	5
Gardenia, Hawaiian (na'u)	1	E	S	D	1	2	S	R(1)	1	2
Geocarpon minimum [NCN]	4	T	S	F	1	13	S	F	1	13
Geranium, Hawaiian red-flowered (Geranium a	1	E	U	F	1	2	U	F	1	2
Gerardia, sandplain	5	E	S	RD(1)	2	5c	S	RD(1)	1	5c
Gesneria pauciflora [NCN]	4	T	U	F	1	11	U	F	1	11
Gilia, Hoffmann's slender-flowered	1	E	D	F	1	8	D	D	1	8
Gilia, Monterey	1	E	S	F	2	9	S	F	2	9
Goetzea, beautiful (matabuey)	4	E	S	F	1	5	S	F	1	5
Goldenrod, Blue Ridge	4	T	S	F	1	8	U	F	1	8
Goldenrod, Houghton's	3	T	S	F	2	8c	S	F	2	8c
Goldenrod, Short's	4	E	S	RU(1)	2	8	S	RU(1)	2	8
Goldenrod, white-haired	4	T	S	F	2	8	S	F	2	8
Goldfields, Burke's	1	E	D	U	1	2c	D	U	1	2c
Goldfields, Contra Costa	1	E	D	U	1	5c	D	U	1	5c
Gooseberry, Miccosukee (Florida)	4	T	S	NA	1	14	S	NA	1	14
Gouania hillebrandii [NCN]	1	E,CH	S	F	1	8	S	F	1	8
Gouania meyenii [NCN]	1	E	U	F	1	8	U	F	1	8
Gouania vitifolia [NCN]	1	E	S	F	1	5	U	F	1	5
Gourd, Okeechobee	4	E	U	D	1	3	S	D	1	3
Grass, California Orcutt	1	E	D	F	1	5c	D	F	1	5c
Grass, Colusa	1	T	D	U	1	2c	D	U	1	2c
Grass, Eureka Dune	1	E	U	F	1	7	S	F	1	7
Grass, Solano	1	E	D	RU(1)	1	2	D	RU(1)	1	2
Grass, Tennessee yellow-eyed	4	E	I	F	1	8	I	F	1	8
Ground-plum, Guthrie's	4	E	S	U	2	2	I	U	2	2
Groundsel, San Francisco Peaks	2	T,CH	U	F	1	8	S	F	2	8
Gumplant, Ash Meadows	1	T,CH	I	F	4	14	I	F	4	14
Ha'iwale (Cyrtandra crenata)	1	E	E	F	1	5	D	F	1	5
Ha'iwale (Cyrtandra dentata)	1	E	I	F	1	8	U	F	1	8
Ha'iwale (Cyrtandra giffardii)	1	E	U	F	1	2	U	F	1	2
Ha'iwale (Cyrtandra limahuliensis)	1	T	S	F	1	14	U	F	1	14
Ha'iwale (Cyrtandra munroi)	1	E	U	F	1	5	U	F	1	5

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Ha'iwale (Cyrtandra polyantha)	1	E	D	F	1	5	D	F	1	5
Ha'iwale (Cyrtandra subumbellata)	1	E	U	F	1	8	U	F	1	8
Ha'iwale (Cyrtandra tintinnabula)	1	E	D	F	1	5	U	F	1	5
Ha'iwale (Cyrtandra viridiflora)	1	E	D	F	1	5	D	F	1	5
Haha (Cyanea acuminata)	1	E	D	F	1	11	D	F	1	11
Haha (Cyanea asarifolia)	1	E	D	F	1	5	U	F	1	5
Haha (Cyanea copelandii copelandii)	1	E	E	F	1	6	E	F	1	6
Haha (Cyanea copelandii haleakalaensis)	1	E	D	U	1	6				
Haha (Cyanea crispa)	1	E	U	F	1	5	U	F	1	5
Haha (Cyanea dunbarii)	1	E	D	F	1	5	U	F	1	5
Haha (Cyanea glabra)	1	E	D	U	1	5				
Haha (Cyanea grimesiana ssp. grimesiana)	1	E	D	F	1	6	D	F	1	6
Haha (Cyanea grimesiana ssp. obatae)	1	E	D	F	1	6	D	F	1	6
Haha (Cyanea hamatiflora hamatiflora)	1	E	U	U	1	6				
Haha (Cyanea hamatiflora ssp. carlsonii)	1	E	U	F	1	6	U	F	1	6
Haha (Cyanea humboldtiana)	1	E	D	F	1	5	D	F	1	5
Haha (Cyanea koolauensis)	1	E	D	F	1	5	D	F	1	5
Haha (Cyanea lobata)	1	E	D	F	1	5	U	F	1	5
Haha (Cyanea longiflora)	1	E	S	F	1	11	D	F	1	11
Haha (Cyanea macrostegia ssp. gibsonii)	1	E	U	F	1	6	U	F	1	6
Haha (Cyanea mannii)	1	E	U	F	1	2	U	F	1	2
Haha (Cyanea mceldowneyi)	1	E	U	F	1	2	U	F	1	2
Haha (Cyanea pinnatifida)	1	E	D	F	1	5	D	F	1	5
Haha (Cyanea platyphylla)	1	E	D	F	1	2	D	F	1	2
Haha (Cyanea procera)	1	E	D	F	1	5	U	F	1	5
Haha (Cyanea recta)	1	T	U	F	1	2	U	F	1	2
Haha (Cyanea remyi)	1	E	U	F	1	2	U	F	1	2
Haha (Cyanea shipmannii)	1	E	D	F	1	2	D	F	1	2
Haha (Cyanea st-johnii)	1	E	D	F	1	5	D	F	1	5
Haha (Cyanea stictophylla)	1	E	D	F	1	2	U	F	1	2
Haha (Cyanea superba)	1	E	D	F	1	5	U	F	1	5
Haha (Cyanea truncata)	1	E	D	F	1	5	D	F	1	5
Haha (Cyanea undulata)	1	E	U	F	1	11	U	F	1	11
Hala pepe	1	E	D	F	1	2	D	F	1	2
Haplostachys haplostachya (=Honohono)	1	E	D	D	1	2	U	D	1	2
Harebells, Avon Park	4	E	D	RD(1)	1	2c	D	RD(1)	1	2c
Harperella	5	E	S	F	2	8	S	F	2	8
Hau kuahiwi (Hibiscadelphus giffardianus)	1	E	C	F	1	5	C	F	1	5
Hau kuahiwi (Hibiscadelphus hualalaiensis)	1	E	C	F	1	5	C	F	1	5
Hau kuahiwi (Hibiscadelphus woodii)	1	E	D	F	1	5	U	F	1	5
Hau kuahiwi, Kauai	1	E	D	F	1	2	U	F	1	2
Heartleaf, dwarf-flowered	4	T	I	NA	4	14	I	NA	4	14
Heather, mountain golden	4	T,CH	I	RD(1)	3	8	I	F	3	8
Heau	1	E	U	F	1	5	U	F	1	5
Hedyotis degeneri [NCN]	1	E	I	F	1	5	U	F	1	5
Hedyotis parvula [NCN]	1	E	S	F	1	5	U	F	1	5
Hedyotis, Na Pali beach	1	E	U	F	1	8	U	F	1	8
Hesperomannia arborescens [NCN]	1	E	U	F	1	5	U	F	1	5
Hesperomannia arbuscula [NCN]	1	E	U	F	1	5	U	F	1	5
Hesperomannia lydgatei [NCN]	1	E	U	F	1	11	U	F	1	11

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Hibiscus, Clay's	1	E	D	F	1	5	U	F	1	5
Higuero de Sierra	4	E	S	F	1	5	S	F	1	5
Holei	1	E	E	F	1	5	E	F	1	5
Holly, Cook's	4	E	U	F	1	5	U	F	1	5
Howellia, water	6	T	I	D	2	7	I	D	1	7
Hypericum, highlands scrub	4	E	S	RD(2)	3	2	D	RD(2)	3	2
Ilex sintenisii [NCN]	4	E	S	F	1	11	S	F	1	11
Iliau, dwarf	1	E	U	F	1	2	U	F	1	2
Indian paintbrush, San Clemente Island	1	E	S	F	1	8	I	F	1	8
Ipomopsis, Holy Ghost	2	E	S	D	1	5	D	D	1	5
Iris, dwarf lake	3	T	S	U	2	8c	S	U	2	8c
Irisette, white	4	E	D	F	1	8	D	F	1	8
Ischaemum, Hilo	1	E	I	F	1	5	S	F	1	8
Ivesia, Ash Meadows	1	T,CH	S	F	3	8	S	F	3	8
Jacquemontia, beach	4	E	I	RD(1)	1	2	U	RD(1)	1	2
Jewelflower, California	1	E	S	F	2	2	S	F	2	2
Jewelflower, Metcalf Canyon	1	E	D	F	1	3c	D	F	1	3c
Jewelflower, Tiburon	1	E	U	F	1	5c	U	F	1	2c
Joint-vetch, sensitive	5	T	U	F	1	2	U	F	1	2
Kamakahala (Labordia cyrtandrae)	1	E	D	F	1	5	D	F	1	5
Kamakahala (Labordia lydgatei)	1	E	D	F	1	11	U	F	1	11
Kamakahala (Labordia tinifolia lanaiensis)	1	E	D	U	1	6				
Kamakahala (Labordia tinifolia var. wahiawaen)	1	E	D	F	1	6	D	F	1	6
Kamakahala (Labordia triflora)	1	E	D	U	1	5				
Kaua'i Koki'o (Kokia kauaiensis)	1	E	D	F	1	5	D	F	1	5
Kauila	1	E	D	F	1	5	D	F	1	5
Kaulu	1	E	D	F	1	8	U	F	1	8
Kio'ele	1	E	D	F	1	2	U	F	1	2
Kiponapona	1	E	D	F	1	2	D	F	1	2
Ko'oko'olau (Bidens micrantha kalealaha)	1	E	S	F	1	9	S	F	1	9
Ko'oko'olau (Bidens wiebkei)	1	E	U	F	1	2	U	F	1	2
Ko'oloa'ula	1	E	S	F	1	2	S	F	1	2
Kohe malama malama o kanaloa	1	E	D	U	1	1				
Koki'o (=hau-hele'ula or Hawaii tree cotton)	1	E,CH	D	F	1	2	D	F	1	2
Koki'o ke'oke'o (Hibiscus arnottianus ssp. imm)	1	E	D	F	1	3	D	F	1	3
Koki'o ke'oke'o (Hibiscus waimeae ssp. hanne)	1	E	D	F	1	3	D	F	1	3
Kokio, Cooke's	1	E	C	F	1	5	C	NA	1	5
Kolea (Myrsine juddii)	1	E	U	F	1	8	U	F	1	8
Kolea (Myrsine linearifolia)	1	T	D	F	1	2	D	F	1	2
Kopa	1	E	D	U	1	6				
Kuahiwi, laukahi (Plantago hawaiiensis)	1	E	D	F	1	5	U	F	1	5
Kuahiwi, laukahi (Plantago princeps)	1	E	D	F	1	5	D	F	1	5
Kuawawaenohu	1	E	D	F	1	2	D	F	1	2
Kula, wahine noho	1	E	D	F	1	2	U	F	1	2
Kulu'i	1	E	S	F	1	8	S	F	1	8
Ladies'-tresses, Canelo Hills (=Madrean)	2	E	U	U	1	2c	D	U	1	2c
Ladies'-tresses, Navasota	2	E	D	F	1	2	D	F	1	2
Ladies'-tresses, Ute	6	T	U	D	1	2c	U	D	1	2c
Lagu, Hyan	1	E	U	F	1	2	D	F	1	2
Larkspur, Baker's	1	E	U	U	1	5				

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Larkspur, San Clemente Island	1	E	S	F	2	8	I	F	2	8
Larkspur, yellow	1	E	U	U	1	8c				
Lau `ehu	1	E	D	F	1	2	D	F	1	2
Laulihilihi (=Ma`oli`oli)	1	E	D	F	1	2	D	F	1	2
Layia, beach	1	E	I	F	1	8	S	F	1	8
Lead-plant, Crenulate	4	E	D	RD(1)	2	5c	D	RD(1)	2	5c
Leather flower, Alabama	4	E	S	F	1	2	S	F	1	2
Leather flower, Morefield's	4	E	S	F	1	5	S	F	1	5
Lepanthes eltoroensis [NCN]	4	E	S	F	2	5	S	F	1	5
Leptocereus grantianus [NCN]	4	E	S	F	1	5c	S	F	1	5c
Lessingia, San Francisco	1	E	I	U	1	2c	D	U	1	2c
Liliwai	1	E	E	F	1	5	D	F	1	5
Lily, Minnesota dwarf trout	3	E	S	F	4	8c	S	F	4	8c
Lily, Pitkin Marsh	1	E	D	U	1	5c	D	U	1	5c
Lily, Western	1	E	D	F	1	2	D	F	1	2
Liveforever, Laguna Beach	1	T	S	U	1	8				
Liveforever, Santa Barbara Island	1	E	I	F	2	8	I	F	2	8
Lobelia gaudichaudii ssp. koolauensis, [NCN]	1	E	U	F	1	6	U	F	1	6
Lobelia monostachya [NCN]	1	E	S	F	1	5	U	F	1	5
Lobelia niihauensis [NCN]	1	E	U	F	1	8	U	F	1	8
Lobelia oahuensis [NCN]	1	E	U	F	1	5	U	F	1	5
Locoweed, Fassett's	3	T	S	F	2	9	I	F	2	9
Lomatium, Bradshaw's	1	E	S	F	2	2	I	F	2	2
Loosestrife, rough-leaved	4	E	S	F	1	8	S	F	1	8
Loulu (Pritchardia affinis)	1	E	U	F	1	5	U	F	1	5
Loulu (Pritchardia kaalae)	1	E	U	F	1	5	U	F	1	5
Loulu (Pritchardia munroi)	1	E	S	F	1	5	S	F	1	5
Loulu (Pritchardia napaliensis)	1	E	U	F	1	5	U	F	1	5
Loulu (Pritchardia remota)	1	E	U	F	1	2	U	F	1	2
Loulu (Pritchardia schattaueri)	1	E	S	F	1	5	S	F	1	5
Loulu (Pritchardia viscosa)	1	E	S	F	1	5	U	F	1	5
Lousewort, Furbish	5	E	S	R(1)	3	14	S	R(1)	3	14
Love grass, Fosberg's	1	E	E	F	1	5	U	F	1	5
Lupine, Kincaid's	1	T	S	U	1	9				
Lupine, Nipomo Mesa	1	E	D	U	1	5				
Lupine, clover	1	E	S	F	1	5	S	F	1	5
Lupine, scrub	4	E	S	R(1)	2	2c	D	R(1)	2	2c
Lyonia truncata var. proctorii [NCN]	4	E	S	F	2	6	S	F	1	6c
Lysimachia filifolia [NCN]	1	E	U	F	1	2	U	F	1	2
Lysimachia lydgatei [NCN]	1	E	U	F	1	2	U	F	1	2
Lysimachia maxima (=ternifolia) [NCN]	1	E	U	F	1	5	U	F	1	5
Ma`o hau hele (=hibiscus, native yellow)	1	E	D	F	1	2	U	F	1	2
Ma`oli`oli (Schiedea apokremnos)	1	E	U	F	1	8	U	F	1	8
Ma`oli`oli (Schiedea kealiae)	1	E	D	F	1	8	D	F	1	8
Mahoe (Alectryon macrococcus)	1	E	D	F	1	5	D	F	1	5
Makou	1	T	U	F	1	8	U	F	1	8
Malacothrix, island	1	E	U	F	1	2	U	D	1	2
Mallow, Kern	1	E	S	F	2	2	S	F	2	2
Mallow, Peter's Mountain	5	E	S	F	3	5	S	F	3	5
Malacothrix, Santa Cruz Island	1	E	U	F	1	2	U	D	1	2

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Manioc, Walker's	2	E	S	F	2	5	I	F	2	5
Manzanita, Del Mar (=Costa Baja, =Eastwood'	1	E	D	U	1	3c	D	U	1	3c
Manzanita, Ione	1	T	D	U	1	5c				
Manzanita, Morro	1	T	S	F	1	2c	S	F	1	2c
Manzanita, Presido (=Raven's)	1	E	S	RU(1)	1	12	S	RU(1)	2	12
Manzanita, Santa Rosa Island	1	E	D	F	1	2	U	D	1	2
Manzanita, pallid	1	T	D	U	1	5c	D	U	1	5c
Mapele	1	E	U	F	1	2	U	F	1	2
Mariposa lily, Tiburon	1	T	U	F	1	17	U	F	1	14
Mariscus fauriei [NCN]	1	E	U	F	1	14	U	F	1	14
Mariscus pennatifolius [NCN]	1	E	U	F	1	5	U	F	1	5
Maua (Xylosma crenatum)	1	E	S	F	1	5	U	F	1	5
Meadowfoam, Butte County	1	E	D	U	1	2c	D	U	1	2c
Meadowfoam, Sebastopol	1	E	D	U	1	2c	D	U	1	2c
Meadowrue, Cooley's	4	E	S	F	2	2	S	F	2	2
Mehamehame	1	E	D	F	1	5	D	F	1	5
Mesa-mint, Otay	1	E	S	F	1	2c	D	F	1	2c
Mesa-mint, San Diego	1	E	S	F	1	5	D	F	1	5
Milk-vetch, Applegate's	1	E	D	F	2	5	D	F	2	5
Milk-vetch, Ash meadows	1	T,CH	D	F	2	8	D	F	2	8
Milk-vetch, Braunton's	1	E	D	D	1	8	D	D	1	5
Milk-vetch, Clara Hunt's	1	E	U	U	1	5c	U	U	1	5c
Milk-vetch, Coachella Valley	1	E	D	U	1	6				
Milk-vetch, Cushenbury	1	E	D	D	1	8	D	D	1	8
Milk-vetch, Deseret	6	T	U	U	1	8				
Milk-vetch, Fish Slough	1	T	D	U	1	6c				
Milk-vetch, Jesup's	5	E	S	RU(1)	1	12	S	RU(1)	1	12
Milk-vetch, Lane Mountain	1	E	S	U	1	2c				
Milk-vetch, Mancos	2	E	S	F	2	5c	S	F	2	5c
Milk-vetch, Osterhout	6	E	S	F	1	2	S	F	1	2
Milk-vetch, Peirson's	1	T	U	U	1	3				
Milk-vetch, Sentry	2	E	U	D	1	3	U	D	1	3
Milk-vetch, coastal dunes	1	E	S	U	1	6	S	U	1	6
Milk-vetch, heliotrope	6	T,CH	U	D	3	8	S	D	3	8
Milk-vetch, triple-ribbed	1	E	D	U	1	2				
Milkpea, Small's	4	E	D	RD(1)	1	5c	D	RD(1)	1	5c
Milkweed, Mead's	3	T	D	U	1	8	D	U	1	8
Milkweed, Welsh's	6	T,CH	S	F	2	11	S	F	2	11
Mint, Garrett's (=scrub, in part)	4	E	S	RD(1)	1	2c	D	RD(1)	1	2c
Mint, Lakela's	4	E	S	RD(1)	2	2c	D	RD(1)	2	2c
Mint, longspurred	4	E	U	F	1	2c	D	F	1	2c
Mint, scrub	4	E	S	RD(1)	1	2	D	RD(1)	1	2
Mitracarpus maxwelliae [NCN]	4	E	S	F	1	5	S	F	1	5
Mitracarpus polycladus [NCN]	4	E	S	F	1	5	S	F	1	5
Monardella, willow	1	E	D	U	1	3				
Monkey-flower, Michigan	3	E	S	F	2	9c	S	F	2	9c
Monkshood, northern wild	3	T	S	F	3	8	S	F	3	8
Morning-glory, Stebbins'	1	E	U	D	1	5c	U	D	1	5c
Mountain balm, Indian Knob	1	E	S	F	2	8c	S	F	2	8c
Mountain-mahogany, Catalina Island	1	E	S	U	1	2	S	U	1	2

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Munroidendron racemosum [NCN]	1	E	U	F	1	5	U	F	1	5
Mustard, Carter's	4	E	S	RD(2)	1	2	D	RD(2)	1	2
Mustard, Penland alpine fen	6	T	S	D	1	11c	S	D	1	11c
Mustard, slender-petaled	1	E	D	F	1	5c	D	F	1	5c
Myrcia paganii [NCN]	4	E	U	F	1	8	U	F	1	8
Na'ena'e (Dubautia herbstobatae)	1	E	I	F	1	8	U	F	1	8
Na'ena'e (Dubautia plantaginea humilis)	1	E	D	U	1	8				
Nani wai'ale'ale	1	E	D	F	1	6	D	F	1	6
Nanu	1	E	D	F	1	5	D	F	1	5
Naupaka, dwarf	1	E	S	F	1	2	S	F	1	2
Navarretia, few-flowered	1	E	U	U	1	3	U	U	1	3
Navarretia, many-flowered	1	E	U	U	1	3	U	U	1	3
Navarretia, spreading	1	T	D	F	1	2				
Nehe (Lipochaeta fauriei)	1	E	U	F	1	5	U	F	1	5
Nehe (Lipochaeta kamolensis)	1	E	D	F	1	2	U	F	1	2
Nehe (Lipochaeta lobata var. leptophylla)	1	E	U	F	1	6	U	F	1	6
Nehe (Lipochaeta micrantha)	1	E	U	F	1	8	U	F	1	8
Nehe (Lipochaeta tenuifolia)	1	E	I	F	1	8	U	F	1	8
Nehe (Lipochaeta venosa)	1	E	D	F	1	5	D	F	1	5
Nehe (Lipochaeta waimeaensis)	1	E	U	F	1	2	U	F	1	2
Neraudia angulata [NCN]	1	E	D	F	1	5	U	F	1	5
Neraudia ovata [NCN]	1	E	D	F	1	5	U	F	1	5
Neraudia sericea [NCN]	1	E	U	F	1	5	U	F	1	5
Nioi	1	E	D	F	1	5	D	F	1	5
Niterwort, Amargosa	1	E,CH	U	F	1	8	U	F	1	8
Nohoanu (Geranium multiflorum)	1	E	U	F	1	8	U	F	1	8
Oak, Hinckley	2	T	U	F	1	8	U	F	1	8
Oha (Delissea rivularis)	1	E	D	F	1	5	D	F	1	5
Oha (Delissea subcordata)	1	E	D	F	1	5	D	F	1	5
Oha wai (Clermontia drepanomorpha)	1	E	D	F	1	2	D	F	1	2
Oha wai (Clermontia lindseyana)	1	E	U	F	1	2	U	F	1	2
Oha wai (Clermontia oblongifolia ssp. brevipes)	1	E	U	F	1	6	U	F	1	6
Oha wai (Clermontia oblongifolia ssp. mauiens)	1	E	D	F	1	6	U	F	1	6
Oha wai (Clermontia peleana)	1	E	C	F	1	5	U	F	1	5
Oha wai (Clermontia pyrularia)	1	E	D	F	1	2	U	F	1	2
Ohai	1	E	S	F	1	8	S	F	1	8
Ohe'ohe	1	E	U	F	1	5	U	F	1	5
Olulu	1	E	D	F	1	2	U	F	1	2
Onion, Munz's	1	E	S	U	1	2				
Opuhe	1	E	D	F	1	5	U	F	1	5
Orchid, eastern prairie fringed	3	T	U	F	1	8	U	D	1	8
Orchid, western prairie fringed	3	T	S	F	2	8c	S	F	2	8c
Orcutt grass, Greene's	1	E	D	U	1	2c	D	U	1	2c
Orcutt grass, Sacramento	1	E	D	U	1	5c	D	U	1	5c
Orcutt grass, San Joaquin	1	T	S	U	1	8	S	U	1	8
Orcutt grass, hairy (=pilose)	1	E	D	U	1	2c	D	U	1	2c
Orcutt grass, slender	1	T	S	U	1	8	S	U	1	8
Owl's-clover, fleshy	1	T	D	U	1	9	D	U	1	9
Oxytheca, cushenbury	1	E	D	D	1	9c	D	D	1	9c
Paintbrush, Tiburon	1	E	U	F	1	9c	U	F	1	9c

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Paintbrush, ash-grey	1	T	D	U	1	8	D	U	1	8
Paintbrush, golden	1	T	D	F	1	2	D	D	1	2
Paintbrush, soft-leaved	1	E	D	F	1	2	D	D	1	2
Palma de manaca	4	T	S	F	2	8	S	F	2	8
Palo colorado	4	E	S	F	1	11	S	F	1	11
Palo de Nigua	4	E	S	F	1	5	S	F	1	5
Palo de Ramon	4	E	U	F	1	5	U	F	1	5
Palo de jazmin	4	E	S	F	1	5	D	F	1	5
Palo de rosa	4	E	S	F	2	8	S	F	1	8
Pamakani (Tetramolopium capillare)	1	E	U	F	1	2	U	F	1	2
Pamakani (Viola chamissoniana ssp. chamisson)	1	E	I	F	1	3	U	F	1	3
Panicgrass, Carter's	1	E,CH	D	F	1	9	D	D	1	9
Pau'ala (=Alulu) (Brighamia rockii)	1	E	S	F	1	2	S	F	1	2
Pawpaw, Rugel's	4	E	D	F	1	2	D	F	1	2
Pawpaw, beautiful	4	E	D	RD(1)	1	2	D	RD(1)	1	2
Pawpaw, four-petal	4	E	S	RD(1)	2	11	D	RD(1)	2	11
Penny-cress, Kneeland Prairie	1	E	U	U	1	2c				
Pennyroyal, Todsens	2	E,CH	S	RD(1)	2	8	S	RD(1)	2	8
Penstemon, blowout	6	E	S	F	2	11c	S	F	2	11c
Pentachaeta, Lyon's	1	E	D	F	1	2c	D	F	1	2c
Pentachaeta, white-rayed	1	E	U	F	1	8	U	F	1	8
Peperomia, Wheeler's	4	E	S	F	1	5	S	F	1	5
Phacelia, North Park	6	E	S	F	2	5	S	F	2	5
Phacelia, clay	6	E	S	F	1	5	S	F	1	5
Phacelia, island	1	E	U	F	1	3	U	D	1	3
Phlox, Texas trailing	2	E	S	F	1	3	S	F	1	3
Phlox, Yreka	1	E	U	U	1	5c				
Phyllostegia glabra var. lanaiensis [NCN]	1	E	E	F	1	6	U	F	1	6
Phyllostegia hirsuta [NCN]	1	E	U	F	1	5	U	F	1	5
Phyllostegia kaalaensis [NCN]	1	E	D	F	1	5	U	F	1	5
Phyllostegia knudsenii [NCN]	1	E	D	F	1	5	U	F	1	5
Phyllostegia mannii [NCN]	1	E	D	F	1	5	D	F	1	5
Phyllostegia mollis [NCN]	1	E	U	F	1	5	U	F	1	5
Phyllostegia parviflora [NCN]	1	E	I	F	1	5	D	F	1	5
Phyllostegia velutina [NCN]	1	E	D	F	1	2	D	F	1	2
Phyllostegia waimeae [NCN]	1	E	E	F	1	5	U	F	1	5
Phyllostegia warshaueri [NCN]	1	E	D	F	1	5	D	F	1	5
Phyllostegia wawrana [NCN]	1	E	U	F	1	5	U	F	1	5
Pigeon-wings	4	T	S	RD(1)	1	14	D	RD(1)	1	14
Pilo	1	E	U	F	1	5	U	F	1	5
Pink, swamp	5	T	D	F	1	1c	D	F	1	1c
Pinkroot, gentian	4	E	D	U	1	2	D	U	1	2
Piperia, Yadon's	1	E	S	U	1	2	S	U	1	2
Pitaya, Davis' green	2	E	U	F	1	3	U	F	1	3
Pitcher-plant, Alabama canebrake	4	E	S	F	1	6	S	F	1	6
Pitcher-plant, green	4	E	S	R(2)	2	8	S	R(2)	2	8
Pitcher-plant, mountain sweet	4	E	D	F	1	3	S	F	2	3
Platanthera holochila [NCN]	1	E	D	F	1	5	D	F	1	5
Plum, scrub	4	E	S	R(1)	3	2	D	R(1)	2	2
Po'e	1	E	D	F	1	2	D	F	1	2

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Poa siphonoglossa [NCN]	1	E	D	F	1	5	D	F	1	5		
Pogonia, small whorled	5	T	I	F	3	14	I	F	3	14		
Polygala, Lewton's	4	E	S	RD(1)	1	8	D	RD(1)	1	8		
Polygala, tiny	4	E	I	RD(1)	2	5c	S	RD(1)	2	5c		
Pondberry	4	E	S	F	2	8	S	F	2	8		
Pondweed, Little Aguja Creek	2	E	U	F	1	5	U	F	1	5		
Popcornflower, rough	1	E	D	U	2	2						
Popolo, ku mai (=Popolo, thorny)	1	E	S	F	1	5	S	F	1	5		
Poppy, Sacramento prickly	2	E	S	F	2	3	D	D	1	3		
Poppy-mallow, Texas	2	E	D	RU(1)	1	5c	D	RU(1)	1	5c		
Potato-bean, Price's	4	T	S	F	1	8	S	F	1	8		
Potentilla, Hickman's	1	E	D	U	1	2	D	U	1	2		
Prairie-clover, leafy	4	E	S	F	2	5	I	F	2	5		
Prickly-apple, fragrant	4	E	S	RD(1)	1	3	D	RD(1)	1	3		
Prickly-ash, St. Thomas	4	E	S	F	1	2c	S	F	1	2c		
Primrose, Maguire	6	T	S	F	3	5	S	F	3	5		
Pu`uka`a	1	E	U	F	1	5	D	F	1	2		
Pussypaws, Mariposa	1	T	D	U	1	8	D	U	1	8		
Rattleweed, hairy	4	E	D	F	1	8	D	F	1	8		
Reed-mustard, Barneby	6	E	S	F	1	11	S	F	1	11		
Reed-mustard, clay	6	T	U	F	1	17	U	F	1	17		
Remya kauaiensis [NCN]	1	E	U	F	1	5	U	F	1	5		
Remya montgomeryi [NCN]	1	E	U	F	1	5	U	F	1	5		
Remya, Maui	1	E	D	F	1	5	U	F	1	5		
Rhododendron, Chapman	4	E	S	F	1	8c	S	F	1	8c		
Ridge-cress (=pepper-cress), Barneby	6	E	U	F	1	5c	U	F	1	5c		
Rock-cress, Braun's (=small)	4	E	D	F	1	5	U	F	1	5		
Rock-cress, Hoffmann's	1	E	D	F	1	2	D	D	1	2		
Rock-cress, McDonald's	1	E	S	F	1	14c	U	F	2	14c		
Rock-cress, shale barren	5	E	S	F	2	11	S	F	2	11		
Rockcress, Santa Cruz Island	1	E	S	U	1	2	D	U	1	2		
Rosemary, Apalachicola	4	E	S	F	1	8	I	F	1	8		
Rosemary, Cumberland	4	T	S	F	1	8	U	F	1	8		
Rosemary, Etonia	4	E	S	F	1	2c	S	F	1	2c		
Rosemary, short-leaved	4	E	S	RD(1)	1	8c	U	RD(1)	1	8c		
Roseroot, Leedy's	3	T	S	F	1	9	S	F	1	9		
Rush-pea, slender	2	E	S	F	2	2	S	F	2	2		
Rush-rose, island	1	T	S	F	1	8	S	D	1	8		
Sand-verbena, large-fruited	2	E	S	F	1	2	S	F	1	2		
Sandalwood, Lanai or `iliahii	1	E	S	F	1	3	S	F	1	3		
Sandbur, agrimony or Kamanomano	1	E	I	F	1	5	D	F	1	5		
Sandlace	4	E	I	RD(1)	2	8	D	RD(1)	2	8		
Sandwort, Bear Valley	1	T	D	U	1	8	D	U	1	8		
Sandwort, Cumberland	4	E	I	F	1	8	U	F	1	8		
Sandwort, Marsh	1	E	U	F	1	5	D	F	1	5		
Sanicula mariversa [NCN]	1	E	D	F	1	5	U	F	1	5		
Sanicula purpurea [NCN]	1	E	D	F	1	5	D	F	1	5		
Schiedea haleakalensis [NCN]	1	E	U	F	1	2	U	F	1	2		
Schiedea helleri [NCN]	1	E	U	F	1	5	U	F	1	5		
Schiedea hookeri [NCN]	1	E	D	F	1	8	D	F	1	8		

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Common Name	Lead USFWS Region	Listing Status	Population Status - 2000	Recovery Stage - 2000	Recovery Achieved - 2000	Recovery Priority - 2000	Population Status - 1998	Recovery Stage - 1998	Recovery Achieved - 1998	Recovery Priority - 1998
Schiedea kaalae [NCN]	1	E	D	F	1	2	U	F	1	2
Schiedea kauaiensis [NCN]	1	E	D	F	1	5	D	F	1	5
Schiedea lydgatei [NCN]	1	E	U	F	1	8	U	F	1	8
Schiedea membranacea [NCN]	1	E	D	F	1	2	D	F	1	2
Schiedea nuttallii [NCN]	1	E	D	F	1	5	D	F	1	5
Schiedea sarmentosa [NCN]	1	E	U	F	1	8	U	F	1	8
Schiedea spergulina var. leiopoda [NCN]	1	E	U	F	1	6	U	F	1	6
Schiedea spergulina var. spergulina [NCN]	1	T	U	F	1	9	U	F	1	9
Schiedea verticillata [NCN]	1	E	S	F	1	2	S	F	1	2
Schiedea, Diamond Head	1	E	D	F	1	2	D	F	1	2
Schoepfia arenaria [NCN]	4	T	U	F	1	5c	U	F	1	5c
Seablite, California	1	E	U	U	1	8	U	U	1	8
Sedge, Navajo	2	T,CH	D	F	1	8	S	F	1	8
Sedge, white	1	E	U	U	1	5c	U	U	1	5c
Silene alexandri [NCN]	1	E	D	F	1	5	U	F	1	5
Silene hawaiiensis [NCN]	1	T	U	F	1	8	U	F	1	8
Silene lanceolata [NCN]	1	E	U	F	1	2	U	F	1	2
Silene perlmanii [NCN]	1	E	E	F	1	5	E	F	1	5
Silversword, Haleakala ('ahinahina)	1	T	S	F	3	9	S	F	2	9
Silversword, Ka'u	1	E	I	F	2	2	S	F	1	2
Silversword, Mauna Kea ('ahinahina)	1	E	I	F	2	6	I	F	1	6
Skullcap, Florida	4	T	D	F	1	2	D	F	1	2
Skullcap, large-flowered	4	E	I	F	2	8	S	F	1	8
Snakeroot	4	E	S	RD(2)	2	2	D	RD(2)	2	2
Sneezeweed, Virginia	5	T	S	D	1	2				
Snowbells, Texas	2	E	S	RU(1)	1	2	S	RU(1)	1	2
Spermolepis hawaiiensis [NCN]	1	E	U	F	1	5	U	F	1	5
Spineflower, Ben Lomond	1	E	D	F	1	9	D	F	1	9
Spineflower, Howell's	1	E	U	F	1	8	S	F	1	8
Spineflower, Monterey	1	T	S	F	2	15	S	F	2	15
Spineflower, Orcutt's	1	E	D	U	1	2	D	U	1	2
Spineflower, Sonoma	1	E	S	F	1	5	S	F	1	5
Spineflower, robust (incl. Scotts Valley)	1	E	D	F	1	3c	D	F	1	3c
Spineflower, slender-horned	1	E	D	U	1	1c	U	U	1	1c
Spiraea, Virginia	5	T	S	F	2	8	S	F	2	8
Spurge, Garber's	4	T	D	RD(1)	2	8	S	RD(1)	2	8
Spurge, Hoover's	1	T	D	U	1	2c	D	U	1	2c
Spurge, deltoid	4	E	D	RD(1)	2	6c	D	RD(1)	2	6c
Spurge, telephus	4	T	D	F	1	2	D	F	1	2
Stenogyne bifida [NCN]	1	E	D	F	1	2	U	F	1	2
Stenogyne campanulata [NCN]	1	E	D	F	1	5	U	F	1	5
Stenogyne kanehoana [NCN]	1	E	E	F	1	5	E	F	1	5
Stenogyne, narrow-leaved	1	E	S	F	1	2	S	D	1	2
Stonecrop, Lake County	1	E	U	U	1	2c	U	U	1	2c
Sumac, Michaux's	4	E	D	F	1	2	D	F	1	2
Sunburst, Hartweg's golden	1	E	U	U	1	2	U	U	1	2
Sunburst, San Joaquin adobe	1	T	U	U	1	2	U	U	1	2
Sunflower, Eggert's	4	T	I	F	3	14	I	D	2	14
Sunflower, Pecos	2	T	S	U	1	8				
Sunflower, San Mateo woolly	1	E	U	F	1	11	U	F	1	8

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Sunflower, Schweinitz's	4	E	D	F	1	5	D	F	1	5
Sunray, Ash Meadows	1	T,CH	S	F	4	15	S	F	4	15
Sunshine, Sonoma (=Stickseed, Baker's)	1	E	D	U	1	5c	D	U	1	5c
Taraxacum, California	1	E	D	U	1	5	D	U	1	5
Tarplant, Gaviota	1	E	D	U	1	3				
Tarplant, Otay	1	T	S	U	1	5				
Tarplant, Santa Cruz	1	T	S	U	1	8				
Ternstroemia subsessilis [NCN]	4	E	S	F	1	5	S	F	1	5
Tetramolopium arenarium [NCN]	1	E	D	F	1	5	D	F	1	5
Tetramolopium filiforme [NCN]	1	E	I	F	1	2	U	F	1	2
Tetramolopium lepidotum ssp. lepidotum [NCN]	1	E	U	F	1	3	U	F	1	3
Tetramolopium remyi [NCN]	1	E	D	F	1	2	D	F	1	2
Tetramolopium rockii [NCN]	1	T	U	F	1	14	U	F	1	14
Thelypody, Howell's spectacular	1	T	I	U	1	8				
Thistle, Chorro Creek bog	1	E	I	F	2	9	I	F	2	8
Thistle, La Graciosa	1	E	D	U	1	2				
Thistle, Loch Lomond coyote	1	E	D	U	2	14	S	U	4	14
Thistle, Pitcher's	3	T	U	U	1	8c	U	D	1	8c
Thistle, Sacramento Mountains	2	T	S	F	2	2	I	F	2	2
Thistle, Suisun	1	E	D	U	1	3c	U	U	1	3
Thistle, fountain	1	E	U	F	1	6	U	F	1	3
Thornmint, San Diego	1	T	S	U	1	2				
Thornmint, San Mateo	1	E	D	F	1	6c	D	F	1	6c
Townsendia, Last Chance	6	T	S	F	2	11c	S	F	2	11c
Trematolobelia singularis [NCN]	1	E	D	F	1	5	D	F	1	5
Trillium, persistent	4	E	S	F	2	8	S	F	2	8
Trillium, relict	4	E	S	F	4	8	I	F	4	8
Twinpod, Dudley Bluffs	6	T	S	F	2	14	S	F	2	14
Uhiuhi	1	E	D	F	1	2	D	F	1	2
Uvillo	4	E	S	F	1	8	S	F	1	8
Vernonia proctorii [NCN]	4	E	S	F	2	5c	S	F	1	5c
Vervain, Red Hills	1	T	U	U	1	8	U	U	1	8
Vetch, Hawaiian	1	E	D	F	1	2c	D	F	1	2c
Vigna o-wahuensis [NCN]	1	E	U	F	1	5	U	F	1	5
Viola helenae [NCN]	1	E	U	F	1	2	U	F	1	2
Viola lanaiensis [NCN]	1	E	U	F	1	2	U	F	1	2
Viola oahuensis [NCN]	1	E	D	F	1	5	D	F	1	5
Wahane (=Hawane or lo'ulu)	1	E	U	NA	1	5	U	NA	1	5
Wallflower, Ben Lomond	1	E	D	F	1	9	D	F	1	9
Wallflower, Contra Costa	1	E,CH	D	F	1	6	S	F	2	6
Wallflower, Menzies'	1	E	D	F	1	2c	D	F	1	2c
Walnut, West Indian or nogal	4	E	U	F	1	5	U	F	1	5
Warea, wide-leaf	4	E	D	F	1	2c	D	F	1	2c
Water-plantain, Kral's	4	T	S	F	1	5c	S	F	1	5c
Water-umbel, Huachuca	2	E	S	U	1	3c	S	U	1	3c
Water-willow, Cooley's	4	E	U	F	1	8	U	F	1	8
Watercress, Gambel's	1	E	U	F	1	2	U	F	1	2
Whitflow-wort, papery	4	T	I	RD(2)	3	8	S	RD(2)	3	8
Wild-buckwheat, southern mountain	1	T	D	U	1	3	D	U	1	3
Wild-rice, Texas	2	E,CH	D	R(1)	1	2c	D	R(1)	1	2c

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Wire-lettuce, Malheur	1	E,CH	S F	2 2	D F	2 2				
Wireweed	4	E	I RD(2)	3 2	D RD(2)	3 2				
Woodland-star, San Clemente Island	1	E	S U	1 2	D U	1 2				
Woolly-star, Hoover's	1	T	S F	3 2	S F	3 2				
Woolly-star, Santa Ana River	1	E	D U	1 3c	D U	1 3c				
Woolly-threads, San Joaquin	1	E	S F	1 1	S F	1 1				
Yerba santa, Lompoc	1	E	S U	1 2						
Ziziphus Florida	4	E	D RD(2)	2 5	D RD(2)	2 5				

Non-flowering Plants

Adiantum vivesii [NCN]	4	E	S F	1 5	D F	1 5				
Asplenium fragile var. insularae [NCN]	1	E	S F	1 6	S F	1 6				
Cladonia, Florida perforate	4	E	S RD(1)	1 2	S RD(1)	1 2				
Cypress, Gowen	1	T	S U	1 9	S U	1 9				
Cypress, Santa Cruz	1	E	S F	2 14	S F	2 14				
Diellia , asplenium-leaved	1	E	U F	1 2	U F	1 2				
Diellia falcata (Fern, NCN)	1	E	S F	1 8	U F	1 8				
Diellia pallida (Fern, NCN)	1	E	U F	1 5	U F	1 5				
Diellia unisora [NCN]	1	E	U F	1 11	U F	1 11				
Diplazium molokaiense [NCN]	1	E	I F	1 5	D F	1 5				
Elaphoglossum serpens [NCN]	4	E	U F	1 5	U F	1 5				
Fern, Alabama streak-sorus	4	T	S F	1 9	S F	1 9				
Fern, Aleutian shield	7	E	S F	1 8	S F	1 8				
Fern, American hart's-tongue	4	T	S F	2 9	S F	2 9				
Fern, Elfin tree	4	E	U F	1 5	U F	1 5				
Fern, pendant kihi	1	E	D F	1 11	S F	1 11				
Ihi`ihi	1	E	S F	1 8	S F	1 8				
Lichen, rock gnome	4	E	D F	1 5	D F	1 5				
Oha wai	1	E	D U	1 5						
Pauoa (Ctenitis squamigera)	1	E	I F	1 5	S F	1 5				
Polystichum calderonense [NCN]	4	E	U F	1 5	D F	1 5				
Pteris lidgatei [NCN]	1	E	U F	1 5	U F	1 5				
Quillwort, Louisiana	4	E	I F	2 8	I F	2 8				
Quillwort, black spored	4	E	S F	1 5	S F	1 5				
Quillwort, mat-forming	4	E	S F	1 8	S F	1 8				
Tectaria estremerana [NCN]	4	E	S F	1 8	S F	1 8				
Thelypteris inabonensis (Fern, NCN)	4	E	U F	1 5	U F	1 5				
Thelypteris verecunda (Fern, NCN)	4	E	U F	1 5	U F	1 5				
Thelypteris yaucoensis (Fern, NCN)	4	E	U F	1 5	U F	1 5				
Torreyia, Florida	4	E	D F	1 5	D F	1 5				
Wawae`iole (Phlegmariurus mannii)	1	E	U F	1 2	U F	1 2				
Wawae`iole (Phlegmariurus nutans)	1	E	U F	1 5	U F	1 6				

Endangered Species Program Contacts

Washington D.C. Office

Endangered Species Program
4401 N. Fairfax Drive, Room 420
Arlington, VA 22203
<http://endangered.fws.gov>

Chief, Division of Conservation and Classification: Christine Nolin, 703/358 2171

Chief, Division of Consultation, HCPs, Recovery, and State Grants: Patrick Leonard, 703/358 2171

Chief, Division of Partnerships and Outreach: Claire Cassel, 703/358 2390

Region One — Pacific

Eastside Federal Complex
911 N.E. 11th Avenue
Portland OR 97232-4181
<http://pacific.fws.gov/ecoservices/>

Chief, Division of Endangered Species: Wendi Weber, 503/231 6158

Jurisdiction: California, Hawaii, Idaho, Nevada, Oregon, Washington, American Samoa, Commonwealth of the Northern Mariana Islands, Guam, and the Pacific Trust Territories

Region Two — Southwest

P.O. Box 1306, Rm 4012
Albuquerque, NM 87102
<http://ifw2es.fws.gov/EndangeredSpecies>

Chief, Division of Endangered Species: Acting Stuart Leon, 505/248 6657

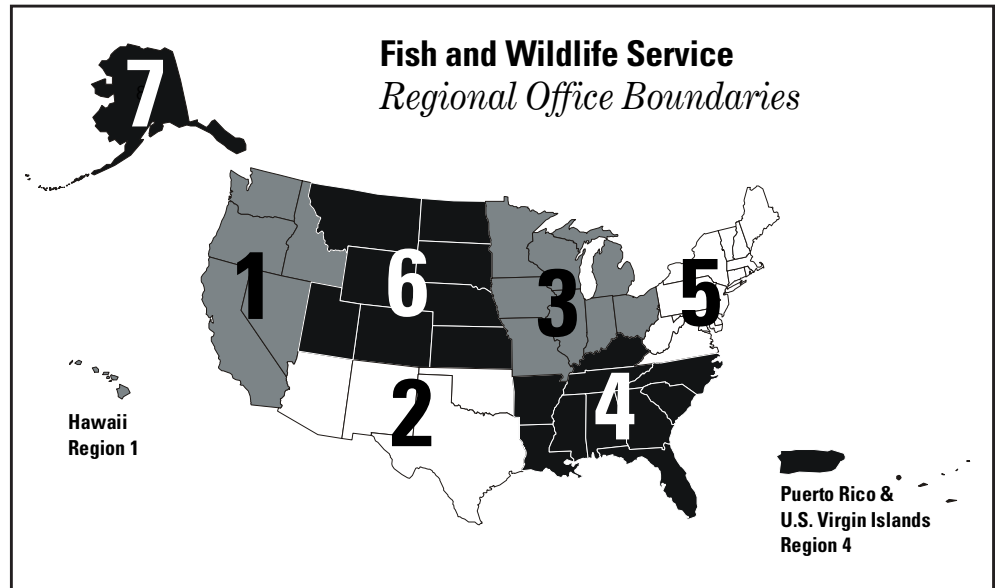
Jurisdiction: Arizona, New Mexico, Oklahoma, and Texas

Region Three — Great Lakes, Big Rivers

Bishop Henry Federal Building
One Federal Drive
Ft. Snelling, MN 55111-4056
<http://midwest.fws.gov/endangered/>

Chief, Ecological Services Operations: T.J. Miller, 612/713 5334

Jurisdiction: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, Ohio, and Wisconsin



Region Four — Southeast

1875 Century Boulevard, Suite 200
Atlanta, GA 30345
<http://southeast.fws.gov/es/>

Chief, Endangered Species: Gloria Bell, 404/679 7100

Jurisdiction: Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Puerto Rico, and the U.S. Virgin Islands

Region Five — Northeast

300 Westgate Center Drive
Hadley, MA 01035-9589
<http://northeast.fws.gov/ecologicalservices>

Chief, Division of Endangered Species: Paul Nickerson, 413/253 8615

Jurisdiction: Connecticut, Delaware, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, Virginia, and West Virginia

Region Six — Mountain Prairie

134 Union Boulevard
Lakewood CO 80228
<http://mountain-prairie.fws.gov/endspp>

Division of Ecological Services: Jill Parker, 303/236 7400 Ext. 242

Jurisdiction: Colorado, Kansas, Montana, Nebraska, North Dakota, South Dakota, Utah, and Wyoming

Region Seven — Alaska

1011 E. Tudor Road
Anchorage, AK 99503-6199
<http://alaska.fws.gov/es/te.cfm>

Division of Endangered Species: Sue Detwiler, 907/786 3868

Jurisdiction: Alaska

**U.S. Fish and Wildlife Service
Endangered Species Program**

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