

# Federal and State Endangered and Threatened Species Expenditures

*Fiscal Year 1998*



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## EXECUTIVE SUMMARY

### What is the purpose of this report?

Section 18 of the Endangered Species Act (Act) of 1973 requires the Secretary of the Interior (working through the Fish and Wildlife Service) to annually report certain expenditures for the conservation of threatened and endangered species. This report presents the reported expenditures for Fiscal Year 1998 (October 1997 - September 1998).

### What expenditures are reported?

Only those expenditures that are reasonably identifiable for a listed species are to be reported. All Federal agencies and those States receiving section 6 grant-in-aid funds pursuant to the Act are asked to report. Since only a few foreign species are receiving expenditures from U.S. governmental agencies, we restrict these annual reports to a discussion concerning listed U.S. species.

Expenditures are identified by species and reported separately for the Fish and Wildlife Service (Service), the States, and in aggregate for all other reporting Federal agencies. The Service and 19 other Federal agencies identified expenditures for the conservation of individual threatened and endangered species. Two additional Federal agencies responded that their expenditures were not reasonably identifiable to species. We included responses from all Federal agencies in Appendix 1.

### What expenditures are not included?

The Federal and State agencies involved made a good faith effort to develop species-by-species expenditures for this report. However, a significant portion of threatened and endangered species conservation activities includes law enforcement, consultation, recovery coordination, and other actions that are not easily or reasonably identified to species. Accounting procedures by all agencies for most staff salaries, operations, maintenance, and other support services are not recorded to species and are not required to be for purposes of this report.

### What are the expenditures reported for FY 1998?

- C Total Expenditures reported: \$454,324,309 (\$71,670,132 for land acquisition--Table 3, \$382,654,177 all other expenditures--Table 1)
- C Percent of threatened and endangered species with expenditures reported: 97.6 percent
- C The median and maximum total general (non-land) expenditure for species with at least \$100 reported expenditures:
  - Median - \$14,200
  - Maximum species total - \$34.95 million
- C The range of general (non-land) expenditures: \$0 to \$35,000,000 (Table 2)
- C Number of species with 50 percent of expenditures: 9 species (.77 percent of the list) (Table 2)
- C Number of species with 90 percent of expenditures: 86 species (7.4 percent of the list) (Table 2).

### How does the 1998 expenditure report compare to other years?

Due to differences in reporting methods, this report cannot be easily compared to the 1989 or subsequent expenditure reports. These year-to-year differences include changes in the number of States reporting, changes in how expenditures are calculated, and changes in the agencies' ability to track expenditures. Therefore, real dollar increases or decreases cannot be accurately calculated or inferred from the overall or individual totals.

Taking into account the limits of this reporting system and excluding land acquisition expenditures, the 1998 reported expenditures increased by approximately \$116.7 million from the FY 1997 report, an increase of 44 percent. Of the increase in reported expenditures since FY 1997, over \$60 million is attributable to three steelhead stocks added to the list in FY 1998. For an additional comparison of the FY 1

**ENDANGERED SPECIES EXPENDITURES  
FISCAL YEAR 1998**

**PURPOSE**

The Endangered Species Act of 1973 (16 U.S.C. 1531 *et seq.*) (Act) was reauthorized and amended on October 7, 1988, under Public Law 100-478. A new section 18 was added to the Act that requires the Fish and Wildlife Service (Service) on behalf of the Secretary of the Interior to report on certain expenditures on a species-by-species basis. The section reads:

SEC. 18. On or before January 15, 1990, and each January 15 thereafter, the Secretary of the Interior, acting through the Fish and Wildlife Service, shall submit to the Congress an annual report covering the preceding fiscal year which shall contain

(1) the accounting on a species-by-species basis of all reasonably identifiable Federal expenditures made primarily for the conservation of endangered or threatened species pursuant to this Act; and

(2) an accounting on a species-by-species basis of all reasonably identifiable expenditures made primarily for the conservation of endangered or threatened species pursuant to this Act by States receiving grants under section 6.

This document constitutes the tenth report by the Service pursuant to the requirements of section 18 of the Act. The report covers Fiscal Year 1998(October 1997- September 1998), although some States may be reporting for a different fiscal year period (without duplicating previous year's reported data).

The term "State" as used in this report is defined in section 3(17) of the Act to mean any of the several States, the District of Columbia, the Commonwealth of Puerto Rico, American Samoa, the Virgin Islands, Guam, and the Trust Territory of the Pacific Islands.

The term "conservation," as defined in section 3(3) of the Act, means the use of all methods and procedures necessary to bring any endangered or threatened species to the point where the measures provided for by the Act are no longer necessary--including, but not limited to, research, census, law enforcement, habitat acquisition and maintenance, propagation, live trapping, and transplantation. For the purposes of this report, the definition of conservation is further expanded to include any and all actions taken by Federal and State agencies on behalf of threatened or endangered species listed pursuant to the Act.

**BACKGROUND**

What does "Reasonably Identifiable Expenditures" mean?

The purpose of the above 1988 amendment was to obtain information with which to assess claims that a disproportionate effort is being made to conserve a few, highly visible species at the expense of numerous, less well-known species that may have greater need for protection. At the time of the first report, the Service met with staff of the House Merchant Marine and Fisheries Committee and the Senate Environment and Public Works Committee for clarification of the intent and purpose of the amendment. As a result of these discussions, the Service determined that a good faith effort was expected to develop and obtain data that are "reasonably identifiable" (Appendix 2). No extensive or extraordinary measures to develop exceptionally precise data were sought, nor were the reporting agencies expected to "pro-rate" staff salaries and other normal operational and maintenance costs not directed towards a particular species.

What is not included in the report?

Since it is recognized that certain expenditures would not be included, this report is not a complete representation of all Federal and State expenditures for the conservation of specific listed species. The expenditures reported in this and the preceding reports do not necessarily constitute all expenditures made for each species. This report does not present cost accounting in the sense of an accountant's ledger of credits and debits of all Federal and State funds available and their expenditure.

In FY 1998, a few species listed as endangered or threatened outside of the United States, but also occur in the United States are not included (e.g., short-tailed albatross, northern swift fox) in the tabulation. Expenditures for candidate species or other species not listed at 50 CFR Part 17 as of September 30, 1998, were excluded unless the species was listed during the year. The report also does not include unrealized revenues from unsold water, timber, power, or other resources by the agencies reporting.

#### What is included in the report?

This report does represent a compilation of those reasonably identifiable expenditures reported independently by the various Federal and the State agencies. Expenditures for FY 1998 (Tables 1 and 3) are reported here for 1,137 threatened and endangered species (97.6 percent) of the 1,166 species that were listed under United States jurisdiction at 50 CFR Part 17 on September 30, 1998. Expenditures are identified by species and reported separately for the Service and in aggregate for all other Federal agencies reporting and for the States (Tables 1 and 3).

Some vertebrate species (as defined under the Act) have more than a single listing in 50 CFR 17.11 where one population is listed as endangered and the other threatened (for example the gray wolf, or green sea turtle). For the purposes of reporting expenditures, we combined such multiple listings. We listed subspecies separately (for example, the Hawaiian common moorhen and Mariana common moorhen) when one or more other subspecies are not listed.

The Service did not report land acquisition funds in the tables of expenditures for FY 1989. However, other Federal agencies reported land acquisition costs in that report, and even more were reported in the 1990, 1991, and, most noticeably, 1992 tabulations. Beginning with the FY 1993 report, the Service has tabulated the known expenditures for land acquisition separately (Table 3) from all other expenditures. The Service's land acquisitions expenditures (\$35.66 million) have been included in this report, when they were identifiable to a species (Table 3). The States' reported land acquisition expenditures (\$3.31 million) are also reported in Table 3. In this report for FY 1998, total reported land acquisition expenditures for 139 species represent 13.2 percent of the total gross expenditures. Only one species (short-leaved rosemary) had only land acquisition costs reported in FY 1998 (Tables 1 and 3).

### **SECTION 18(1), FEDERAL EXPENDITURES**

#### What expenditures are reported by the Fish and Wildlife Service?

The Service's operational categories of expenditures include fisheries, refuges, land acquisition, law enforcement, research, and Regional and field operations for listing, recovery, consultation, environmental contaminant and habitat conservation activities. All reasonably identifiable expenditures that could be attributed to individual species that were made by these activities have been included.

For example, reasonably identifiable expenditures for research programs included large sums for species where an intensive effort is underway to save a species from extinction (e.g., whooping crane, California condor) and smaller sums where only a minor research effort exists. The Refuge program identified specific listed species as a major responsibility of certain refuges. The Columbian white-tailed deer, Key deer, Hawaiian monk seal, and masked bobwhite quail are examples of listed species where the respective National Wildlife Refuge is devoted nearly entirely to their management and

recovery. Other listed species use these and many other refuges for all or part of their life cycles. Only "dedicated" refuge expenditures that are reasonably identifiable to species are included in this report.

Listed fish species benefit from fisheries programs, but costs are seldom identifiable to a particular species. For example, the Dexter National Fish Hatchery in Arizona has achieved a remarkable record in the propagation and maintenance of listed southwestern fishes. Attributing costs on a species-by-species basis for the dozen or so species managed at this facility is difficult. Few species-specific expenditures could be reasonably identified in the Law Enforcement program for specific endangered species. The Federal Aid portion under section 6 of the Act for each species is included in the FWS TOTAL in Table 1. The State share for each species for which a Federal contribution was made is included in the STATE TOTAL column of Table 1, as reported to the International Association of Fish and Wildlife Agencies (IAFWA).

A significant portion of the Service's funds for consultations, listing, and recovery are incorporated into salaries, operations and maintenance costs. As a result, they are not reasonably identifiable to species. Only salary, operation, and maintenance costs towards individual species coordinators (e.g., whooping crane, red wolf, grizzly bear, sea turtles, sea otter) are included in this report.

#### What expenditures are reported by Other Federal Agencies?

The Director of the Service sent a request to other Federal agencies identified as likely to have some species-specific expenditures under the Act to report. The Service provided background information identifying what constitutes reasonably identifiable expenditures and how these were to be reported (Appendix 2). Two agencies responded with letters indicating that they did not have any reasonably identifiable expenditures for individual species. Correspondence from all responding agencies is included in Appendix 1. The data identified by those responding Federal agencies for individual species have been tabulated in the OTHER FED column of this report (Tables 1 and 3).

### **SECTION 18(2), STATE EXPENDITURES**

#### What is included in the State expenditures?

The Committees' staffs anticipated that not all States would be willing to voluntarily submit their expenditures for a variety of reasons. As a result, the Secretary was expected to only submit those expenditure figures that were voluntarily provided. In order to maximize the return of information, the assistance of the IAFWA was sought by the Service to coordinate the reporting of reasonably identifiable expenditures made by States.

The States' report to the IAFWA, and the latter tabulates the data by species and provides the totals to the Service, based on the best available information provided by the States. The States' reported \$16.337 million for general (non-land) expenditures (Table 1) and \$3.317 million for land acquisition expenditures (Table 3).

### **SUMMARY OF DATA**

#### What is the format for the report's tables?

Table 1 reports the reasonably identifiable expenditures for each species by the Service, other Federal agencies, and the States; expenditures for land acquisitions are not included in this tabulation or used in the ranking. We grouped species in the same general order as they appear in 50 CFR Part 17. Tables 1 and 3 also provide the rank for each species from Table 2. Table 2 ranks each species in descending order by the SPECIES TOTAL of Table 1; a cumulative, or running, total and percentage of the \$382.6 million total (general (non-land) expenditures) is also provided to assist the reader. Land acquisition expenditures are included only in Table 3.

What are the expenditures reported for FY 1998?

Total Expenditures reported: \$454,324,309 (\$71,670,132 for land acquisition--Table 3,  
\$382,654,177 all other expenditures--Table 1).

Percent of threatened and endangered species with reported expenditures: 97.6%

The median and maximum total general (non-land) expenditure for species with at least \$100 reported expenditures: Median - \$14,200

Maximum species total - \$34.95 million

The range of general (non-land) expenditures: \$0 to \$35,000,000 (Table 2)

Number of species with general (non-land) expenditures exceeding \$1million: 55 species (including five with both endangered and threatened vertebrate populations) (Table 2)

Number of species with 50 percent of expenditures: 9 species (0.77 percent of the list) (Table 2)  
Six are threatened species.

Number of species with 90 percent of expenditures: 86 species (7.4 percent of the list) (Table 2)



What are the 10 species with the highest reported expenditures in Fiscal Year 1998 (from Table 2)?

1998 RANK	SPECIES (50 CFR Part 17)	STATUS	TOTAL (\$000s)	1997 RANK
1	Salmon, coho	T	34,944.97	6
2	Salmon, chinook, Snake R. spring/summer run	T	29,036.67	1
3	Salmon, chinook, Snake R. fall run	T	27,045.34	2
4	Salmon, sockeye (=red, =blueback), Snake R.	E	24,720.00	3
5	Steelhead (Snake R. Basin)	T	22,549.22	Not listed
6	Steelhead (lower Columbia R.)	T	19,738.99	Not listed
7	Steelhead (southern CA coast)	E	18,201.86	Not listed
8	Woodpecker, red-cockaded	E	11,262.99	5
9	Owl, northern spotted	T	9,510.03	4
10	Flycatcher, southwestern willow	E	7,260.46	13

How do the expenditures compare among species?

Taking into account the limits of this reporting system, less than 1 percent of all listed species received approximately half of the reasonably identifiable funding (Table 2). This conclusion was expected. The Congress and some State legislatures identify specific appropriations for most of these species, and State and Federal natural resource managers use the public interest in these high-profile species to help protect other species in the same habitats or imperiled by the same threats. The species identified by Congress as deserving of specific appropriations are the same species that drive interest and participation in the considerable State and private sector efforts on behalf of all listed species. It is also important to note that 97.7 percent of the listed species had reported expenditures, including land acquisition expenditures.

## **COMPARISON TO PREVIOUS REPORTS**

Why are comparisons with other reports difficult?

A good faith effort was made to develop species-by-species expenditures for this report. However, the information presented each year does not reflect the total governmental (Federal and State) effort toward threatened and endangered species conservation, because not all actions can be easily identified or funding directly calculated per species. Therefore, the reader is cautioned against making comparisons with other reports on threatened and endangered species expenditures beyond those which are provided below. A significant portion of threatened and endangered species conservation activities at all levels includes law enforcement, consultation, recovery coordination, and other actions that are not easily or reasonably funded in a species-by-species manner. Accounting procedures for staff salaries and operational, maintenance, and other support services are not normally creditable towards individual species totals. In addition, as the Service, States and other Federal agencies move

to actions and planning efforts that benefit multi-species, dividing costs by the species benefitting also becomes more difficult.

Also, there exists significant variability among some Federal and State agency reports that are compiled to produce this report. Agencies reported gross totals for those other expenditures that could not be identified to species; this reporting is not included within the summary tables because they cannot be itemized by species. However, this information is available on the individual agency reports under Appendix 1 (Reports Provided by Other Federal Agencies).

The amendment to the Act requiring this report was passed in the first quarter of FY 1989. The Service, other Federal agencies, and State agencies gathered the best available data with little opportunity for advance planning and coordination in that year. Subsequent reports have greatly benefited by the FY 1989 experience in planning and coordination with the reporting agencies to track such expenditures. Therefore, due to differences in reporting methods, this report cannot be easily compared to the 1989 or subsequent expenditure reports. These year-to-year differences include changes in the States' reporting, changes in how expenditures are calculated, and changes in the agencies' ability to track expenditures. Thus, real dollar increases or decreases cannot be accurately calculated or inferred from the overall or individual totals.

When requested by the House Appropriations Committee staff, the Service has provided reports on allocations of current or anticipated funding by species. The reader of this report is cautioned that there are important differences in the assumptions that led to each of these reports. The data in this report are more precise than previous reports on estimated allocations, since land acquisition costs are separated from general expenditures. However, they may be biased, since they only include reasonably identifiable expenditures. The following table includes data from the present and previous expenditure reports.

**SUMMARY OF FIGURES  
(Amounts \$000)**

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Federal Total	\$39,638.7	\$96,642.5	\$112,684.8	\$160,060.3	\$204,501.8	\$234,933.9	\$286,445.0	\$268,778.5	\$288,661.49	\$434,669.12
State Total	\$4,086.1	\$5,701.2	\$64,126.7	\$131,450.7	\$17,698.5	\$9,643.6	\$11,231.0	\$16,935.2	\$12,269.81	\$19,655.19
Grand Total	\$43,724.8	\$102,343.7	\$176,811.5	\$291,510.9	\$222,200.3	\$244,577.5	\$297,676.0	\$285,713.7	\$300,931.30	\$454,324.31
Change from previous year	*****	\$58,618.90	\$74,467.80	\$114,699.40	-\$69,310.6	\$22,377.21	\$53,098.50	-\$11,962.30	\$15,217.60	\$153,393.01
No. listed species	554	591	639	728	809	914	957	963	1,111	1,166
No. reporting expenditures	347	477	570	679	749	819	925	895	1,060	1,137
Max. reported amount	\$3,108.6	\$9,687.2	\$24,651.3	\$73,578.6	\$18,518.66	\$24,280.56	\$35,942.47	\$40,777.26	\$28,545.27	\$34,944.97
Median for species equal to or greater than \$100	\$11.75	\$13.15	\$12.20	\$16.00	\$12.94	\$23.00	\$30.00	\$15.00	\$13.80	\$14.20
No. with 50% of expenditures (percentage of no. listed)	12 2.2%	10 1.7%	7 1.1%	5 0.7%	10 1.2%	9 1.1%	6 0.63%	5 0.52%	10 0.9%	9 0.8%
No. with 90% of expenditures (percentage of no. listed)	63 11.4%	58 9.8%	54 8.5%	59 8.1%	79 9.8%	103 11.0%	131 14.0%	77 8.0%	101 9.1%	86 7.4%

NOTES:  
 All figures include land acquisition expenditures, except those that are shaded. In 1993 the Service began to tabulate these costs separately.  
 The Federal and Grand Totals for 1993 differ from those published in the 1993 report due to an error made in the 1993 report for the desert tortoise.  
 The Federal and Grand Totals shown here for 1995 differ from those published in the 1995 report by \$32,002.50 less than what was reported for the FWS total due to an error.

Table 1. Reasonably Identifiable Federal and State Expenditures during FY 1998

The list of species in Table 1 essentially follows the taxonomic and nomenclatural conventions used in 50 CFR Part 17 for the identification and sequence of names. For ease of reference, the alphabetized, inverted common name is provided within each group (usually Class) of animals. Thus, the gray bat is found with other bats under "Bat, gray" within mammals, and Tar River spiny mussel is found under "Spiny mussel, Tar River" within the clams. Groups of animals follow the sequence: Mammals, Birds, Reptiles, Amphibians, Fishes, and Invertebrates, which include Clams, Snails, Insects, Arachnids, and Cestaceans. Groups of plants follow the sequence: Flowering Plants, Conifers, Ferns, and Lichens. If no common name exists for the species, then the scientific name is used.

If a reader should need other information about the names, historical range, or status of an endangered or threatened species, the species can be found in 50 CFR 17.11 (wildlife) or 17.12 (plants), or through our web site at <http://endangered.fws.gov>. The STATUS column indicates whether the species is endangered (E), threatened (T) or with two United States populations under separate classifications (E,T) [for purposes of this report, the latter are counted as one species in the number listed].

Service expenditures (FWS TOTAL) and other Federal agencies expenditures (OTHER FED) are totaled in the FED TOTAL column. The STATES TOTAL is the amount reported by the IAFWA to the Service. None of these reported totals include known costs for land acquisition; see Table 3 for land acquisitions reported to the Service.

The RANK is from Table 2, and indicates each species rank by identifiable expenditures, where 1 is the highest expenditure.

**TABLE 1. FY 1998 REPORTED EXPENDITURES (\$000) FOR ENDANGERED AND THREATENED SPECIES, NOT INCLUDING LAND ACQUISITION COSTS**

RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	FWS TOTAL	OTHER FED	FED TOTAL	STATES TOTAL	SPECIES TOTAL (\$000)
	<b>MAMMALS</b>							
78	Bat, gray	Myotis grisescens	E	192.9	315.3	508.2	33.0	541.20
246	Bat, Hawaiian hoary	Lasiurus cinereus semotus	E	12.5	46.0	58.5	0.0	58.50
33	Bat, Indiana	Myotis sodalis	E	314.5	1381.7	1696.2	157.9	1,854.12
103	Bat, lesser long-nosed	Leptonycteris curasoae yerbabuena	E	28.5	244.0	272.5	32.5	305.00
502	Bat, little Mariana fruit	Pteropus tokodae	E	17.5	0.0	17.5	0.0	17.50
257	Bat, Mariana fruit	Pteropus mariannus mariannus	E	36.5	17.5	54.0	0.0	54.00
419	Bat, Mexican long-nosed	Leptonycteris nivalis	E	10.5	10.6	21.1	3.5	24.60
209	Bat, Ozark big-eared	Plecotus townsendii ingens	E	29.5	47.8	77.3	3.3	80.60
306	Bat, Virginia big-eared	Plecotus townsendii virginianus	E	20.9	16.4	37.3	1.5	38.77
15	Bear, grizzly	Ursus arctos	T	819.4	3356.8	4176.2	833.1	5,009.31
87	Bear, Louisiana black	Ursus americanus luteolus	T	266.0	180.7	446.7	0.0	446.67
98	Caribou, woodland	Rangifer tarandus caribou	E	229.0	49.0	278.0	72.2	350.23
1095	Cougar, eastern	Felis concolor cougar	E	1.1	0.0	1.1	0.0	1.10
161	Deer, Columbian white-tailed	Odocoileus virginianus leucurus	E	46.0	86.4	132.4	3.6	136.06
118	Deer, key	Odocoileus virginianus clavium	E	117.0	126.0	243.0	0.8	243.80
35	Ferret, black-footed	Mustela nigripes	E	392.4	1132.9	1525.3	209.1	1,734.42
65	Fox, San Joaquin kit	Vulpes macrotis mutica	E	137.3	664.6	801.9	0.0	801.86
272	Jaguar	Panthera onca	E	13.0	27.2	40.2	9.5	49.72
229	Jaguarundi	Felis yagouaroundi cacomitti	E	38.0	28.0	66.0	0.0	66.00
285	Jaguarundi	Felis yagouaroundi tolteca	E	34.0	9.1	43.1	0.5	43.60
174	Kangaroo rat, Fresno	Dipodomys nitratoides exilis	E	53.3	69.0	122.3	0.0	122.30
149	Kangaroo rat, giant	Dipodomys ingens	E	81.3	70.6	151.9	0.0	151.90
707	Kangaroo rat, Morro Bay	Dipodomys heermanni morroensis	E	2.0	7.0	9.0	0.0	9.00
116	Kangaroo rat, San Bernardino Merriam's	Dipodomys merriami parvus	E	2.0	255.0	257.0	0.0	257.00
170	Kangaroo rat, Stephens'	Dipodomys stephensi	E	36.0	88.9	124.9	0.0	124.90
148	Kangaroo rat, Tipton	Dipodomys nitratoides nitratoides	E	109.3	44.0	153.3	0.0	153.30
39	Manatee, West Indian (=Florida)	Trichechus manatus	E	926.6	624.8	1551.4	13.3	1,564.68
363	Mountain beaver, Point Arena	Aplodontia rufa nigra	E	30.5	0.0	30.5	0.0	30.50
185	Mouse, Alabama beach	Peromyscus polionotus ammobates	E	102.5	1.0	103.5	6.7	110.17
757	Mouse, Anastasia Island beach	Peromyscus polionotus phasma	E	0.0	7.0	7.0	0.0	7.00
579	Mouse, Choctawahatchee beach	Peromyscus polionotus allophrys	E	14.0	0.0	14.0	0.0	14.00
487	Mouse, Key Largo cotton	Peromyscus gossypinus allapaticola	E	17.5	0.0	17.5	0.8	18.30
123	Mouse, Pacific pocket	Perognathus longimembris pacificus	E	103.0	120.0	223.0	0.0	223.00
329	Mouse, Perdido Key beach	Peromyscus polionotus trissyllepsis	E	25.0	8.2	33.2	0.9	34.10
48	Mouse, Preble's meadow jumping	Zapus hudsonius preblei	T	330.3	814.5	1144.8	29.3	1,174.06
162	Mouse, salt marsh harvest	Reithrodontomys raviventris	E	109.3	26.2	135.5	0.0	135.52

**TABLE 1. FY 1998 REPORTED EXPENDITURES (\$000) FOR ENDANGERED AND THREATENED SPECIES, NOT INCLUDING LAND ACQUISITION COSTS**

RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	FWS TOTAL	OTHER FED	FED TOTAL	STATES TOTAL	SPECIES TOTAL (\$000)
431	Mouse, southeastern beach	<i>Peromyscus polionotus niveiventris</i>	T	0.9	23.0	23.9	0.0	23.90
139	Ocelot	<i>Felis pardalis</i>	E	46.0	126.7	172.7	0.5	173.20
82	Otter, southern sea	<i>Enhydra lutris nereis</i>	T	97.0	398.0	495.0	0.0	495.00
17	Panther, Florida	<i>Felis concolor coryi</i>	E	579.0	2389.6	2968.6	1,834.8	4,803.42
100	Prairie dog, Utah	<i>Cynomys parvidens</i>	T	121.1	175.2	296.3	30.0	326.27
73	Pronghorn, Sonoran	<i>Antilocapra americana sonoriensis</i>	E	114.0	451.3	565.3	60.0	625.30
164	Rabbit, Lower Keys	<i>Sylvilagus palustris hefneri</i>	E	0.0	132.0	132.0	0.0	132.00
1033	Rice rat (=silver rice rat)	<i>Oryzomys palustris natator</i>	E	0.0	2.0	2.0	0.0	2.00
694	Seal, Caribbean monk	<i>Monachus tropicalis</i>	E	0.0	9.6	9.6	0.0	9.60
1138	Seal, guadalupe fur	<i>Arctocephalus townsendi</i>	T	0.0	0.0	0.0	0.0	-
40	Seal, Hawaiian monk	<i>Monachus schauinslandi</i>	E	0.0	1516.0	1516.0	0.0	1,516.00
23	Sea-lion, Steller	<i>Eumetopias jubatus</i>	E, T	0.0	3060.2	3060.2	19.0	3,079.18
749	Sheep, bighorn (Peninsular Ranges pop. in	<i>Ovis canadensis cremnobates</i>	E	2.0	5.4	7.4	0.0	7.37
570	Shrew, Dismal Swamp southeastern	<i>Sorex longirostris fisheri</i>	T	0.3	13.8	14.1	0.0	14.10
457	Squirrel, Carolina northern flying	<i>Glaucomys sabrinus coloratus</i>	E	12.2	4.8	17.0	3.0	19.99
151	Squirrel, Delmarva Peninsula fox	<i>Sciurus niger cinereus</i>	E	7.0	131.0	138.0	10.2	148.22
127	Squirrel, Mount Graham red	<i>Tamiasciurus hudsonicus grahamensis</i>	E	14.0	112.1	126.1	70.0	196.10
271	Squirrel, Virginia northern flying	<i>Glaucomys sabrinus fuscus</i>	E	5.0	44.8	49.8	0.4	50.16
1033	Vole, Amargosa	<i>Microtus californicus scirpensis</i>	E	2.0	0.0	2.0	0.0	2.00
1138	Vole, Florida salt marsh	<i>Microtus pennsylvanicus dukecampbelli</i>	E	0.0	0.0	0.0	0.0	-
178	Vole, Hualapai Mexican	<i>Microtus mexicanus hualpaiensis</i>	E	14.0	95.5	109.5	8.0	117.50
859	Whale, blue	<i>Balaenoptera musculus</i>	E	0.0	3.0	3.0	1.3	4.25
1089	Whale, bowhead	<i>Balaena mysticetus</i>	E	0.0	0.0	0.0	1.3	1.25
847	Whale, finback	<i>Balaenoptera physalus</i>	E	0.0	3.5	3.5	1.3	4.75
168	Whale, gray	<i>Eschrichtius robustus</i>	E	0.0	127.0	127.0	1.3	128.25
95	Whale, humpback	<i>Megaptera novaeangliae</i>	E	0.0	319.8	319.8	41.3	361.02
41	Whale, right	<i>Balaena glacialis</i> (incl. <i>australis</i> )	E	1.5	1456.9	1458.4	1.3	1,459.65
847	Whale, Sei	<i>Balaenoptera borealis</i>	E	0.0	3.5	3.5	1.3	4.75
847	Whale, sperm	<i>Physeter macrocephalus</i> (=catodon)	E	0.0	3.5	3.5	1.3	4.75
20	Wolf, gray	<i>Canis lupus</i>	E, T	2232.5	1885.2	4117.7	336.5	4,454.25
59	Wolf, red	<i>Canis rufus</i>	E	938.8	39.7	978.5	0.0	978.50
516	Woodrat, Key Largo	<i>Neotoma floridana smalli</i>	E	16.5	0.0	16.5	0.0	16.50
	<b>MAMMALS subtotals</b>	<b># of species:</b>	<b>68</b>	<b>8,902.90</b>	<b>22,409.21</b>	<b>31,312.11</b>	<b>3,833.91</b>	<b>35,146.02</b>
	<b>BIRDS</b>							
258	`Akepa, Hawaii (honeycreeper)	<i>Loxops coccineus coccineus</i>	E	47.5	6.3	53.8	0.0	53.79
221	`Akepa, Maui (honeycreeper)	<i>Loxops coccineus ochraceus</i>	E	71.5	0.0	71.5	0.0	71.50
536	`Akialoa, Kauai (honeycreeper)	<i>Hemignathus procerus</i>	E	15.5	0.0	15.5	0.0	15.50

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258	`Akiapola`au (honeycreeper)	Hemignathus munroi	E	47.5	6.3	53.8	0.0	53.79
492	`O`o, Kauai (= `o`o `a`a) (honeyeater)	Moho braccatus	E	15.5	2.7	18.2	0.0	18.20
536	`O`u (honeycreeper)	Psittirostra psittacea	E	15.5	0.0	15.5	0.0	15.50
132	Blackbird, yellow-shouldered	Agelaius xanthomus	E	104.5	53.9	158.4	26.9	185.26
64	Bobwhite, masked (quail)	Colinus virginianus ridgwayi	E	804.0	2.6	806.6	5.0	811.60
363	Broadbill, Guam	Myiagra freycineti	E	30.5	0.0	30.5	0.0	30.50
421	Caracara, Audubon's crested	Polyborus plancus audubonii	T	9.0	0.0	9.0	15.4	24.40
53	Condor, California	Gymnogyps californianus	E	1020.2	19.8	1040.0	18.0	1,058.00
171	Coot, Hawaiian (= `alae-ke`oke`o)	Fulica americana alai	E	34.5	87.3	121.8	3.0	124.80
61	Crane, Mississippi sandhill	Grus canadensis pulla	E	919.3	14.4	933.7	0.0	933.70
19	Crane, whooping	Grus americana	E	520.5	3993.4	4513.9	75.3	4,589.12
255	Creepers, Hawaii	Oreomystis mana	E	47.5	6.3	53.8	1.0	54.79
536	Creepers, Molokai (=kakawahie)	Paroreomyza flammea	E	15.5	0.0	15.5	0.0	15.50
369	Creepers, Oahu (=alauwahio)	Paroreomyza maculata	E	15.5	14.1	29.6	0.0	29.62
117	Crow, Hawaiian (= `alala)	Corvus hawaiiensis	E	207.5	14.5	222.0	27.0	249.00
114	Crow, Mariana	Corvus kubaryi	E	230.5	34.7	265.2	0.0	265.20
1138	Crow, white-necked	Corvus leucognaphalus	E	0.0	0.0	0.0	0.0	-
940	Curlew, Eskimo	Numenius borealis	E	0.1	3.1	3.2	0.0	3.20
79	Duck, Hawaiian (=koloa)	Anas wyvilliana	E	34.5	500.1	534.6	1.0	535.56
983	Duck, Laysan	Anas laysanensis	E	2.5	0.0	2.5	0.0	2.50
13	Eagle, bald	Haliaeetus leucocephalus	T	1448.9	3722.0	5170.9	828.5	5,999.43
99	Eider, spectacled	Somateria fischeri	T	225.5	120.5	346.0	0.5	346.45
104	Eider, Steller's	Polysticta stelleri	T	175.5	128.5	304.0	0.5	304.45
26	Falcon, American peregrine	Falco peregrinus anatum	E	573.3	1843.8	2417.1	341.9	2,759.09
83	Falcon, northern aplomado	Falco femoralis septentrionalis	E	16.0	478.4	494.4	0.5	494.90
521	Finch, Laysan (honeycreeper)	Telespyza cantans	E	15.5	0.8	16.3	0.0	16.30
536	Finch, Nihoa (honeycreeper)	Telespyza ultima	E	15.5	0.0	15.5	0.0	15.50
10	Flycatcher, southwestern willow	Empidonax traillii extimus	E	741.6	6418.7	7160.3	100.2	7,260.46
34	Gnatcatcher, coastal California	Polioptila californica californica	T	75.0	1737.5	1812.5	0.0	1,812.50
107	Goose, Aleutian Canada	Branta canadensis leucopareia	T	209.5	77.9	287.4	2.0	289.34
140	Goose, Hawaiian (=nene)	Nesochen sandvicensis	E	53.5	58.7	112.2	58.0	170.18
302	Hawk, Hawaiian (=io)	Buteo solitarius	E	31.5	8.3	39.8	0.0	39.75
316	Hawk, Puerto Rican broad-winged	Buteo platypterus brunnescens	E	31.0	5.3	36.3	0.0	36.30
406	Hawk, Puerto Rican sharp-shinned	Accipiter striatus venator	E	21.0	5.2	26.2	0.0	26.20
250	Honeycreeper, crested (= akohekohe)	Palmeria dolei	E	47.5	1.9	49.4	7.0	56.43
81	Jay, Florida scrub	Aphelocoma coerulescens coerulescens	T	168.1	340.8	508.9	3.2	512.09
273	Kingfisher, Guam Micronesian	Halcyon cinnamomina cinnamomina	E	35.5	14.0	49.5	0.0	49.50
206	Kite, Everglade snail	Rostrhamus sociabilis plumbeus	E	11.5	65.3	76.8	7.0	83.78

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502	Mallard, Mariana	Anas oustaleti	E	17.5	0.0	17.5	0.0	17.50
200	Megapode, Micronesian (=La Perouse's)	Megapodius laperouse	E	88.5	0.0	88.5	0.0	88.50
536	Millerbird, Nihoa (old world warbler)	Acrocephalus familiaris kingi	E	15.5	0.0	15.5	0.0	15.50
363	Monarch, Tinian (old world flycatcher)	Monarcha takatsukasae	T	30.5	0.0	30.5	0.0	30.50
196	Moorhen, Hawaiian common	Gallinula chloropus sandvicensis	E	34.5	60.4	94.9	2.0	96.86
265	Moorhen, Mariana common	Gallinula chloropus guami	E	17.5	35.0	52.5	0.0	52.50
11	Murrelet, marbled	Brachyramphus marmoratus marmoratus	T	1317.0	3953.1	5270.1	1,820.3	7,090.35
687	Nightjar, Puerto Rican	Caprimulgus noctitherus	E	10.0	0.0	10.0	0.0	10.00
176	Nukupu' u (honeycreeper)	Hemignathus lucidus	E	119.5	0.0	119.5	0.0	119.50
25	Owl, Mexican spotted	Strix occidentalis lucida	T	701.5	2178.4	2879.9	76.0	2,955.85
9	Owl, northern spotted	Strix occidentalis caurina	T	1510.5	7066.5	8577.0	933.0	9,510.03
186	Palila (honeycreeper)	Loxioides bailleui	E	64.5	6.3	70.8	35.0	105.79
49	Parrot, Puerto Rican	Amazona vittata	E	1054.0	79.2	1133.2	30.6	1,163.80
181	Parrotbill, Maui (honeycreeper)	Pseudonestor xanthophrys	E	103.5	1.9	105.4	7.0	112.43
155	Pelican, brown	Pelecanus occidentalis	E	109.4	36.7	146.1	1.5	147.57
668	Petrel, Hawaiian dark-rumped	Pterodroma phaeopygia sandwichensis	E	9.5	2.0	11.5	0.0	11.50
234	Pigeon, Puerto Rican plain	Columba inornata wetmorei	E	43.0	0.0	43.0	21.6	64.60
30	Plover, piping	Charadrius melodus	E, T	380.8	1747.6	2128.4	291.5	2,419.95
70	Plover, western snowy	Charadrius alexandrinus nivosus	T	93.8	639.1	732.9	25.7	758.55
144	Po'ouli (honeycreeper)	Melamprosops phaeosoma	E	103.5	0.0	103.5	55.0	158.50
101	Prairie-chicken, Attwater's greater	Tympanuchus cupido attwateri	E	220.0	91.8	311.8	7.5	319.29
68	Pygmy-owl, cactus ferruginous	Glaucidium brasilianum cactorum	E	46.0	594.5	640.5	132.5	773.00
97	Rail, California clapper	Rallus longirostris obsoletus	E	176.3	174.5	350.8	0.0	350.85
106	Rail, Guam	Rallus owstoni	E	275.5	15.0	290.5	0.0	290.50
494	Rail, light-footed clapper	Rallus longirostris levipes	E	4.0	14.1	18.1	0.0	18.14
131	Rail, Yuma clapper	Rallus longirostris yumanensis	E	2.0	178.4	180.4	9.0	189.40
459	Shearwater, Newell's Townsend's (formerly)	Puffinus auricularis newelli	T	9.5	5.3	14.8	5.0	19.81
38	Shrike, San Clemente loggerhead	Lanius ludovicianus mearnsi	E	2.0	1653.3	1655.3	2.0	1,657.34
62	Sparrow, Cape Sable seaside	Ammodramus maritimus mirabilis	E	166.7	707.1	873.8	0.1	873.90
183	Sparrow, Florida grasshopper	Ammodramus savannarum floridanus	E	18.0	68.2	86.2	25.2	111.33
1033	Sparrow, San Clemente sage	Amphispiza belli clementeae	T	2.0	0.0	2.0	0.0	2.00
120	Stilt, Hawaiian (=ae'o)	Himantopus mexicanus knudseni	E	34.5	196.3	230.8	5.0	235.80
77	Stork, wood	Mycteria americana	E	371.9	183.5	555.4	10.7	566.10
363	Swiftlet, Mariana gray (=vanikoro)	Aerodramus vanikorensis bartschi	E	30.5	0.0	30.5	0.0	30.50
56	Tern, California least	Sterna antillarum browni	E	140.0	842.0	982.0	0.0	982.04
58	Tern, least	Sterna antillarum	E	141.9	816.7	958.6	20.1	978.75
141	Tern, roseate	Sterna dougallii dougallii	E, T	28.1	71.1	99.2	66.0	165.23
536	Thrush, large Kauai	Myadestes myadestinus	E	15.5	0.0	15.5	0.0	15.50



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536	Thrush, Molokai (=oloma`o)	Myadestes lanaiensis rutha	E	15.5	0.0	15.5	0.0	15.50
204	Thrush, small Kauai (=puaiohi)	Myadestes palmeri	E	63.5	0.0	63.5	20.5	84.00
253	Towhee, Inyo California (=brown)	Pipilo crissalis eremophilus	T	19.5	35.5	55.0	0.0	55.00
50	Vireo, black-capped	Vireo atricapillus	E	47.0	1077.8	1124.8	3.1	1,127.90
32	Vireo, least Bell's	Vireo bellii pusillus	E	144.0	1756.0	1900.0	0.0	1,899.98
1069	Warbler, Bachman's	Vermivora bachmanii	E	0.5	0.8	1.3	0.0	1.30
55	Warbler, golden-cheeked	Dendroica chrysoparia	E	233.0	798.0	1031.0	2.5	1,033.50
75	Warbler, Kirtland's	Dendroica kirtlandii	E	405.5	125.5	531.0	60.5	591.52
396	Warbler, nightingale reed	Acrocephalus luscini	E	27.5	0.0	27.5	0.0	27.50
363	White-eye, bridled	Zosterops conspicillatus conspicillatus	E	30.5	0.0	30.5	0.0	30.50
1132	Woodpecker, ivory-billed	Campephilus principalis	E	0.2	0.0	0.2	0.0	0.20
8	Woodpecker, red-cockaded	Picoides borealis	E	1079.5	10121.1	11200.6	62.4	11,262.99
	<b>BIRDS subtotals</b>	<b># of species:</b>	<b>91</b>	<b>17,680.10</b>	<b>55,119.75</b>	<b>72,799.85</b>	<b>5,253.00</b>	<b>78,052.86</b>
	<b>REPTILES</b>							
1138	Anole, Culebra Island giant	Anolis roosevelti	E	0.0	0.0	0.0	0.0	-
733	Boa, Mona	Epicrates monensis monensis	T	7.0	0.0	7.0	1.0	8.00
283	Boa, Puerto Rican	Epicrates inornatus	E	35.5	8.3	43.8	0.5	44.30
733	Boa, Virgin Islands tree	Epicrates monensis granti	E	8.0	0.0	8.0	0.0	8.00
215	Crocodile, American	Crocodylus acutus	E	30.5	42.6	73.1	0.7	73.80
427	Gecko, Monito	Sphaerodactylus micropithecus	E	9.0	0.0	9.0	15.0	24.00
707	Iguana, Mona ground	Cyclura stejnegeri	T	7.4	0.0	7.4	1.6	9.00
137	Lizard, blunt-nosed leopard	Gambelia silus	E	134.3	39.9	174.2	0.0	174.20
261	Lizard, Coachella Valley fringe-toed	Uma inornata	T	36.0	17.1	53.1	0.0	53.09
422	Lizard, Island night	Xantusia riversiana	T	4.0	20.4	24.4	0.0	24.40
757	Lizard, St. Croix ground	Ameiva polops	E	7.0	0.0	7.0	0.0	7.00
230	Rattlesnake, New Mexican ridge-nosed	Crotalus willardi obscurus	T	6.0	12.8	18.8	46.9	65.68
978	Skink, bluetail mole	Eumeces egregius lividus	T	2.5	0.0	2.5	0.1	2.60
827	Skink, sand	Neoseps reynoldsi	T	2.5	2.6	5.1	0.1	5.20
947	Snake, Atlantic salt marsh	Nerodia clarkii taeniata	T	0.0	0.4	0.4	2.7	3.05
830	Snake, Concho water	Nerodia paucimaculata	T	3.0	2.0	5.0	0.0	5.00
227	Snake, copperbelly water (northern pop.)	Nerodia erythrogaster neglecta	T	60.0	0.2	60.2	7.0	67.16
138	Snake, eastern indigo	Drymarchon corais couperi	T	95.8	78.1	173.9	0.1	173.99
86	Snake, giant garter	Thamnophis gigas	T	166.3	284.1	450.4	0.0	450.38
243	Snake, San Francisco garter	Thamnophis sirtalis tetrataenia	E	59.3	0.0	59.3	0.0	59.30
16	Tortoise, desert	Gopherus agassizii	T	911.8	3935.8	4847.6	55.7	4,903.29
89	Tortoise, gopher	Gopherus polyphemus	T	158.5	264.0	422.5	0.0	422.49
282	Turtle, Alabama redbelly (=red-bellied)	Pseudemys alabamensis	E	32.0	7.5	39.5	5.0	44.50

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184	Turtle, bog (=Muhlenberg)	Clemmys muhlenbergii	T	34.5	31.0	65.5	45.5	111.04
675	Turtle, flattened musk	Sternotherus depressus	T	4.5	6.4	10.9	0.0	10.89
43	Turtle, green sea	Chelonia mydas	E, T	234.0	1109.3	1343.3	18.6	1,361.92
60	Turtle, hawksbill sea (=carey)	Eretmochelys imbricata	E	89.2	846.4	935.6	13.1	948.60
51	Turtle, Kemp's ridley sea	Lepidochelys kempii	E	132.7	972.7	1105.4	8.0	1,113.40
54	Turtle, leatherback sea	Dermodochelys coriacea	E	211.9	833.7	1045.6	10.6	1,056.21
37	Turtle, loggerhead sea	Caretta caretta	T	591.6	1038.4	1630.0	51.1	1,681.12
44	Turtle, olive ridley sea	Lepidochelys olivacea	E, T	35.0	1251.2	1286.2	0.0	1,286.20
579	Turtle, Plymouth redbelly (=red-bellied)	Pseudemys rubriventris bangsi	E	4.0	0.0	4.0	10.0	14.00
486	Turtle, ringed map (=sawback)	Graptemys oculifera	T	10.0	8.5	18.5	0.0	18.45
249	Turtle, yellow-blotched map (=sawback)	Graptemys flavimaculata	T	9.5	47.8	57.3	0.0	57.25
728	Whipsnake, (=striped racer) Alameda	Masticophis lateralis euryxanthus	T	8.3	0.0	8.3	0.0	8.30
	<b>REPTILES subtotals</b>	<b># of species:</b>	<b>35</b>	<b>3,141.60</b>	<b>10,861.02</b>	<b>14,002.62</b>	<b>293.19</b>	<b>14,295.81</b>
	<b>AMPHIBIANS</b>							
660	Coqui, golden	Eleutherodactylus jasperi	T	12.0	0.0	12.0	0.0	12.00
74	Frog, California red-legged	Rana aurora draytonii	T	230.8	370.8	601.6	0.0	601.62
733	Guajon	Eleutherodactylus cooki	T	8.0	0.0	8.0	0.0	8.00
189	Salamander, Barton Springs	Eurycea sosorum		105.0	0.0	105.0	0.0	105.00
509	Salamander, Cheat Mountain	Plethodon nettingi	T	2.0	13.5	15.5	1.4	16.87
1033	Salamander, desert slender	Batrachoseps aridus	E	2.0	0.0	2.0	0.0	2.00
223	Salamander, Red Hills	Phaeognathus hubrichti	T	22.0	48.0	70.0	0.0	70.00
386	Salamander, San Marcos	Eurycea nana	T	27.0	1.0	28.0	0.0	28.00
301	Salamander, Santa Cruz long-toed	Ambystoma macrodactylum croceum	E	40.0	0.0	40.0	0.0	40.00
1138	Salamander, Shenandoah	Plethodon shenandoah	E	0.0	0.0	0.0	0.0	-
425	Salamander, Sonoran tiger	Ambystoma tigrinum stebbinsi	E	4.0	10.1	14.1	10.0	24.10
386	Salamander, Texas blind	Typhlomolge rathbuni	E	27.0	1.0	28.0	0.0	28.00
63	Toad, Arroyo southwestern	Bufo microscaphus californicus	E	132.5	740.4	872.9	0.0	872.90
190	Toad, Houston	Bufo houstonensis	E	85.0	18.0	103.0	0.0	103.00
476	Toad, Puerto Rican crested	Peltophryne lemur	T	18.0	0.0	18.0	1.0	19.00
111	Toad, Wyoming	Bufo hemiophys baxteri	E	39.6	188.3	227.9	50.1	277.99
	<b>AMPHIBIANS subtotals</b>	<b># of species:</b>	<b>16</b>	<b>754.90</b>	<b>1,391.12</b>	<b>2,146.02</b>	<b>62.46</b>	<b>2,208.48</b>
	<b>FISHES</b>							
797	Catfish, Yaqui	Ictalurus pricei	T	2.0	0.0	2.0	4.0	6.00
1138	Cavefish, Alabama	Speoplatyrhinus poulsoni	E	0.0	0.0	0.0	0.0	-
238	Cavefish, Ozark	Amblyopsis rosae	T	51.0	2.3	53.3	10.0	63.25

**TABLE 1. FY 1998 REPORTED EXPENDITURES (\$000) FOR ENDANGERED AND THREATENED SPECIES,  
NOT INCLUDING LAND ACQUISITION COSTS**

RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	FWS TOTAL	OTHER FED	FED TOTAL	STATES TOTAL	SPECIES TOTAL (\$000)
47	Chub, bonytail	<i>Gila elegans</i>	E	134.4	1010.8	1145.2	32.7	1,177.94
818	Chub, Borax Lake	<i>Gila boraxobius</i>	E	4.0	1.5	5.5	0.0	5.50
778	Chub, Chihuahua	<i>Gila nigrescens</i>	T	3.0	2.0	5.0	1.5	6.50
42	Chub, humpback	<i>Gila cypha</i>	E	129.4	1275.6	1405.0	25.0	1,430.04
415	Chub, Hutton tui	<i>Gila bicolor ssp.</i>	T	25.0	0.0	25.0	0.0	25.00
928	Chub, Mohave tui	<i>Gila bicolor mohavensis</i>	E	2.0	1.3	3.3	0.0	3.30
136	Chub, Oregon	<i>Oregonichthys crameri</i>	E	46.0	132.1	178.1	0.0	178.14
425	Chub, Owens tui	<i>Gila bicolor snyderi</i>	E	23.5	0.6	24.1	0.0	24.10
182	Chub, Pahrnagat roundtail (=bonytail)	<i>Gila robusta jordani</i>	E	82.0	24.5	106.5	5.5	112.00
817	Chub, slender	<i>Erimystax cahni</i>	T	4.5	0.1	4.6	1.0	5.56
225	Chub, Sonora	<i>Gila ditaenia</i>	T	0.0	40.1	40.1	28.0	68.10
463	Chub, spotfin (=turquoise shiner)	<i>Cyprinella monacha</i>	T	15.4	1.7	17.1	2.5	19.56
91	Chub, Virgin River	<i>Gila robusta semidnuda</i>	E	356.0	26.0	382.0	22.8	404.75
658	Chub, Yaqui	<i>Gila purpurea</i>	E	2.0	6.1	8.1	4.0	12.10
24	Cui-ui	<i>Chasmistes cujus</i>	E	14.0	3012.0	3026.0	0.0	3,026.00
693	Dace, Ash Meadows speckled	<i>Rhinichthys osculus nevadensis</i>	E	8.0	0.0	8.0	1.7	9.65
247	Dace, blackside	<i>Phoxinus cumberlandensis</i>	T	28.5	28.8	57.3	1.0	58.30
231	Dace, Clover Valley speckled	<i>Rhinichthys osculus oligoporus</i>	E	65.0	0.0	65.0	0.0	65.00
344	Dace, desert	<i>Eremichthys acros</i>	T	4.0	27.5	31.5	0.0	31.50
415	Dace, Foskett speckled	<i>Rhinichthys osculus ssp.</i>	T	25.0	0.0	25.0	0.0	25.00
231	Dace, Independence Valley speckled	<i>Rhinichthys osculus lethoporus</i>	E	65.0	0.0	65.0	0.0	65.00
887	Dace, Kendall Warm Springs	<i>Rhinichthys osculus thermalis</i>	E	0.8	3.0	3.8	0.0	3.80
417	Dace, Moapa	<i>Moapa coriacea</i>	E	8.0	14.0	22.0	2.8	24.80
299	Darter, amber	<i>Percina antesella</i>	E	32.5	6.2	38.7	2.3	40.99
887	Darter, bayou	<i>Etheostoma rubrum</i>	T	2.0	1.8	3.8	0.0	3.80
774	Darter, bluemask (=jewel)	<i>Etheostoma (Doration) sp.</i>	E	5.6	0.0	5.6	1.0	6.60
336	Darter, boulder (=Elk River)	<i>Etheostoma wapiti</i>	E	19.2	8.0	27.2	6.0	33.20
110	Darter, Cherokee	<i>Etheostoma (Ulocentra) sp.</i>	T	30.7	250.3	281.0	0.3	281.25
570	Darter, duskytail	<i>Etheostoma (Catonotus) sp.</i>	E	11.7	1.4	13.1	1.0	14.10
263	Darter, Etowah	<i>Etheostoma etowahae</i>	E	21.5	31.2	52.7	0.3	52.95
313	Darter, fountain	<i>Etheostoma fonticola</i>	E	27.0	9.5	36.5	0.0	36.50
655	Darter, goldline	<i>Percina aurolineata</i>	T	6.0	0.2	6.2	6.3	12.45
226	Darter, leopard	<i>Percina pantherina</i>	T	33.0	33.5	66.5	1.4	67.90
1117	Darter, Maryland	<i>Etheostoma sellare</i>	E	0.0	0.0	0.0	0.5	0.50
201	Darter, Niangua	<i>Etheostoma nianguae</i>	T	81.0	5.0	86.0	0.0	86.00
69	Darter, Okaloosa	<i>Etheostoma okaloosae</i>	E	26.0	741.0	767.0	0.0	767.00
1132	Darter, relict	<i>Etheostoma chienense</i>	E	0.2	0.0	0.2	0.0	0.20
830	Darter, slackwater	<i>Etheostoma boschungii</i>	T	0.4	2.6	3.0	2.0	5.00

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RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	FWS TOTAL	OTHER FED	FED TOTAL	STATES TOTAL	SPECIES TOTAL (\$000)
423	Darter, snail	Percina tanasi	T	7.1	15.0	22.1	2.3	24.35
1090	Darter, watercress	Etheostoma nuchale	E	1.0	0.2	1.2	0.0	1.20
368	Gambusia, Big Bend	Gambusia gaigei	E	1.0	29.1	30.1	0.0	30.09
1097	Gambusia, Clear Creek	Gambusia heterochir	E	1.0	0.0	1.0	0.0	1.00
67	Gambusia, Pecos	Gambusia nobilis	E	758.0	15.0	773.0	2.5	775.50
325	Gambusia, San Marcos	Gambusia georgei	E	27.0	7.5	34.5	0.0	34.50
150	Goby, tidewater	Eucyclogobius newberryi	E	105.0	45.0	150.0	0.0	150.00
401	Logperch, Conasauga	Percina jenkinsi	E	24.5	1.2	25.7	1.3	26.95
173	Logperch, Roanoke	Percina rex	E	29.0	94.6	123.6	0.0	123.60
191	Madtom, Neosho	Noturus placidus	T	52.9	44.8	97.7	4.6	102.25
818	Madtom, pygmy	Noturus stanauli	E	4.5	0.0	4.5	1.0	5.50
673	Madtom, Scioto	Noturus trautmani	E	11.0	0.0	11.0	0.0	11.00
672	Madtom, Smoky	Noturus baileyi	E	7.2	2.0	9.2	2.0	11.20
531	Madtom, yellowfin	Noturus flavipinnis	T	11.7	2.1	13.8	2.0	15.76
129	Minnow, loach	Rhinichthys cobitis	T	34.0	153.5	187.5	3.5	190.97
52	Minnow, Rio Grande silvery	Hybognathus amarus	E	582.0	518.0	1100.0	3.0	1,103.00
684	Poolfish, Pahrump	Empetrichthys latos	E	4.0	0.5	4.5	5.8	10.26
284	Pupfish, Ash Meadows Amargosa	Cyprinodon nevadensis mionectes	E	42.0	0.0	42.0	2.1	44.06
668	Pupfish, Comanche Springs	Cyprinodon elegans	E	10.0	1.5	11.5	0.0	11.50
143	Pupfish, desert	Cyprinodon macularius	E	120.0	31.5	151.5	12.0	163.49
125	Pupfish, Devils Hole	Cyprinodon diabolis	E	4.0	200.0	204.0	6.8	210.75
427	Pupfish, Leon Springs	Cyprinodon bovinus	E	24.0	0.0	24.0	0.0	24.00
455	Pupfish, Owens	Cyprinodon radiosus	E	19.5	0.7	20.2	0.0	20.20
746	Pupfish, Warm Springs	Cyprinodon nevadensis pectoralis	E	4.0	3.5	7.5	0.0	7.50
36	Salmon, chinook, Sacramento R. winter run	Oncorhynchus tshawytscha	T	2.0	1698.8	1700.8	0.0	1,700.79
3	Salmon, chinook, Snake R. fall run	Oncorhynchus tshawytscha	T	0.0	26262.5	26262.5	782.8	27,045.34
2	Salmon, chinook, Snake R. spring/summer	Oncorhynchus tshawytscha	T	0.0	28102.3	28102.3	934.4	29,036.67
1	Salmon, coho	Oncorhynchus (=Salmo) kisutch	T	0.0	34820.0	34820.0	125.0	34,944.97
4	Salmon, sockeye (=red, =blueback), Snake	Oncorhynchus nerka	E	0.0	24712.9	24712.9	7.1	24,720.00
813	Sculpin, pygmy	Cottus pygmaeus	T	5.5	0.2	5.7	0.0	5.70
797	Shiner, beautiful	Cyprinella formosa	T	1.0	1.0	2.0	4.0	6.00
208	Shiner, blue	Cyprinella caerulea	T	25.0	54.7	79.7	1.3	80.99
1027	Shiner, Cahaba	Notropis cahabae	E	1.0	1.2	2.2	0.0	2.20
374	Shiner, Cape Fear	Notropis mekistocholas	E	24.1	0.0	24.1	5.0	29.10
1097	Shiner, Palezone	Notropis sp.	E	0.0	0.0	0.0	1.0	1.00
88	Shiner, Pecos bluntnose	Notropis simus pecosensis	T	23.0	401.0	424.0	1.0	425.00
1090	Silverside, Waccamaw	Menidia extensa	T	0.2	0.0	0.2	1.0	1.20
156	Smelt, delta	Hypomesus transpacificus	T	114.3	29.3	143.6	0.0	143.61

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122	Spinedace	Meda fulgida	T	66.0	151.3	217.3	8.0	225.30
233	Spinedace, Big Spring	Lepidomeda mollispinis pratensis	T	11.0	50.7	61.7	3.0	64.70
172	Spinedace, Little Colorado	Lepidomeda vittata	T	4.0	0.0	4.0	120.0	124.00
290	Spinedace, White River	Lepidomeda albivallis	E	27.0	15.5	42.5	0.0	42.50
210	Springfish, Hiko White River	Crenichthys baileyi grandis	E	74.0	0.5	74.5	3.2	77.69
384	Springfish, Railroad Valley	Crenichthys nevadae	T	19.0	3.3	22.3	5.8	28.12
203	Springfish, White River	Crenichthys baileyi baileyi	E	74.0	0.0	74.0	10.9	84.90
18	Squawfish, Colorado	Ptychocheilus lucius	E	324.1	4332.0	4656.1	22.0	4,678.14
80	Steelhead (central CA coast)	Oncorhynchus (=Salmo) mykiss gilberti	T	0.0	520.1	520.1	0.0	520.06
72	Steelhead (Central Valley CA)	Oncorhynchus (=Salmo) mykiss gilberti	T	0.0	659.9	659.9	0.0	659.92
6	Steelhead (lower Columbia R.)	Oncorhynchus (=Salmo) mykiss gilberti	T	0.0	18945.3	18945.3	793.7	19,738.99
5	Steelhead (Snake R. Basin)	Oncorhynchus (=Salmo) mykiss gilberti	T	0.0	21758.7	21758.7	790.5	22,549.22
84	Steelhead (south central CA coast)	Oncorhynchus (=Salmo) mykiss gilberti	T	0.0	482.4	482.4	0.0	482.36
7	Steelhead (southern CA coast)	Oncorhynchus (=Salmo) mykiss gilberti	E	0.0	18201.9	18201.9	0.0	18,201.86
31	Steelhead (upper Columbia R. Basin)	Oncorhynchus (=Salmo) mykiss gilberti	E	0.0	1608.8	1608.8	686.1	2,294.84
160	Stickleback, unarmored threespine	Gasterosteus aculeatus williamsoni	E	2.0	135.0	137.0	0.0	137.00
90	Sturgeon, Gulf	Acipenser oxyrhynchus desotoi	T	253.5	142.2	395.7	17.1	412.86
46	Sturgeon, pallid	Scaphirhynchus albus	E	627.9	505.0	1132.9	47.4	1,180.32
66	Sturgeon, shortnose	Acipenser brevirostrum	E	370.1	421.5	791.6	0.0	791.64
22	Sturgeon, white (Kootenai River pop.)	Acipenser transmontanus	E	78.5	3504.5	3583.0	6.5	3,589.47
45	Sucker, June	Chasmistes liorus	E	42.0	1167.0	1209.0	33.0	1,242.00
27	Sucker, Lost River	Deltistes luxatus	E	52.0	2472.7	2524.7	4.1	2,528.84
287	Sucker, Modoc	Catostomus microps	E	8.0	35.2	43.2	0.0	43.17
12	Sucker, razorback	Xyrauchen texanus	E	771.1	5565.7	6336.8	46.0	6,382.81
28	Sucker, shortnose	Chasmistes brevirostris	E	49.0	2471.6	2520.6	4.1	2,524.71
222	Sucker, Warner	Catostomus warnerensis	T	30.0	37.0	67.0	3.5	70.47
57	Topminnow, Gila (incl. Yaqui)	Poeciliopsis occidentalis	E	635.0	226.2	861.2	118.0	979.20
241	Trout, Apache (=Arizona)	Oncorhynchus apache	T	2.0	38.5	40.5	20.0	60.50
14	Trout, bull (Columbia R. pop.)	Salvelinus confluentus	T	1189.6	3784.5	4974.1	616.1	5,590.16
187	Trout, bull (Jarbridge R. pop.)	Salvelinus confluentus	E	1.0	92.6	93.6	12.0	105.64
152	Trout, bull (Klamath R. pop.)	Salvelinus confluentus	T	24.5	120.1	144.6	3.3	147.93
153	Trout, Gila	Oncorhynchus gilae	E	76.0	50.1	126.1	21.7	147.83
102	Trout, greenback cutthroat	Oncorhynchus clarki stomias	T	77.0	114.2	191.2	118.0	309.17
76	Trout, Lahontan cutthroat	Oncorhynchus clarki henshawi	T	99.0	428.8	527.8	60.1	587.94
264	Trout, Little Kern golden	Oncorhynchus aguabonita whitei	T	6.3	46.5	52.8	0.0	52.80
676	Trout, Paiute cutthroat	Oncorhynchus clarki seleniris	T	7.3	3.5	10.8	0.0	10.80
29	Trout, Umpqua River cutthroat	Oncorhynchus clarki clarki	E	0.0	2322.0	2322.0	107.5	2,429.52
92	Woundfin	Plagopterus argentissimus	E	359.0	27.0	386.0	10.0	395.95

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RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	FWS TOTAL	OTHER FED	FED TOTAL	STATES TOTAL	SPECIES TOTAL (\$000)
	<b>FISHES subtotals</b>	<b># of species:</b>	<b>117</b>	<b>8,835.70</b>	<b>214,391.90</b>	<b>223,227.60</b>	<b>5,766.24</b>	<b>228,993.84</b>
	<b>VERTEBRATES subtotals</b>	<b># of species:</b>	<b>327</b>	<b>39,315.20</b>	<b>304,173.00</b>	<b>343,488.20</b>	<b>15,208.80</b>	<b>358,697.00</b>
	<b>INVERTEBRATES</b>							
	<b>CLAMS</b>							
516	Acornshell, southern	Epioblasma othcaloogensis	E	10.1	5.2	15.3	1.2	16.50
480	Bankclimber (mussel), purple	Elliptoideus sloatianus	T	12.0	6.8	18.8	0.0	18.82
692	Bean, purple (=Fine-rayed purple pearly m	Villosa perpurpurea	E	4.4	4.4	8.8	1.0	9.83
197	Clubshell	Pleurobema clava	E	62.6	5.4	68.0	28.0	95.99
1094	Clubshell, black (=Curtus' mussel)	Pleurobema curtum	E	1.0	0.1	1.1	0.0	1.13
268	Clubshell, ovate	Pleurobema perovatum	E	5.8	41.1	46.9	4.6	51.47
235	Clubshell, southern	Pleurobema decisum	E	22.3	40.1	62.4	2.1	64.47
640	Combshell, Cumberlandian	Epioblasma brevidens	E	6.4	4.2	10.6	2.4	12.98
458	Combshell, southern (=penitent mussel)	Epioblasma penita	E	1.7	17.9	19.6	0.3	19.88
381	Combshell, upland	Epioblasma metastrata	E	21.1	6.2	27.3	1.2	28.50
341	Elktoe, Appalachian	Alasmidonta raveneliana	E	16.2	12.0	28.2	4.0	32.24
677	Elktoe, Cumberland	Alasmidonta atropurpurea	E	4.5	5.2	9.7	1.0	10.67
462	Fanshell	Cyprogenia stegaria	E	6.7	2.0	8.7	11.0	19.70
890	Fatmucket, Arkansas	Lampsilis powelli	T	0.0	1.9	1.9	1.8	3.70
207	Heelsplitter, Carolina	Lasmigona decorata	E	16.4	10.4	26.8	56.5	83.30
377	Heelsplitter, inflated	Potamilus inflatus	T	20.2	5.9	26.1	2.8	28.86
279	Kidneyshell, triangular	Ptychobranthus greeni	E	19.6	24.6	44.2	1.2	45.36
430	Lampmussel, Alabama (=Pearly mussel, A	Lampsilis virescens	E	6.1	17.9	24.0	0.0	24.00
254	Moccasinshell, Alabama	Medionidus acutissimus	T	11.3	43.1	54.4	0.5	54.86
605	Moccasinshell, Coosa	Medionidus parvulus	E	7.1	6.2	13.3	0.2	13.50
440	Moccasinshell, Gulf	Medionidus penicillatus	E	20.0	1.8	21.8	0.0	21.82
660	Moccasinshell, Ochlockonee	Medionidus simpsonianus	E	12.0	0.0	12.0	0.0	12.00
277	Mucket, orange-nacre	Lampsilis perovalis	T	4.7	40.8	45.5	0.3	45.76
133	Mussel, dwarf wedge	Alasmidonta heterodon	E	136.0	26.6	162.6	19.0	181.54
513	Mussel, oyster	Epioblasma capsaeformis	E	9.8	4.2	14.0	2.7	16.66
534	Mussel, ring pink (=golf stick pearly)	Obovaria retusa	E	6.9	1.0	7.9	7.7	15.63
146	Mussel, winged mapleleaf	Quadrula fragosa	E	93.6	54.9	148.5	7.5	156.01
520	Pearlshell, Louisiana	Margaritifera hembeli	T	4.0	12.3	16.3	0.0	16.32
678	Pearlymussel, Appalachian monkeyface	Quadrula sparsa	E	8.6	0.0	8.6	2.0	10.60
563	Pearlymussel, birdwing	Conradilla caelata	E	8.9	3.5	12.4	2.0	14.36
696	Pearlymussel, cracking	Hemistena lata	E	6.5	2.0	8.5	1.0	9.50
400	Pearlymussel, Cumberland bean	Villosa trabalis	E	18.2	6.5	24.7	2.4	27.12

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641	Pearlymussel, Cumberland monkeyface	Quadrula intermedia	E	8.7	2.1	10.8	2.0	12.76
307	Pearlymussel, Curtis'	Epioblasma florentina curtisi	E	35.5	2.0	37.5	0.9	38.40
678	Pearlymussel, dromedary	Dromus dromas	E	9.6	0.0	9.6	1.0	10.60
774	Pearlymussel, green-blossom	Epioblasma torulosa gubernaculum	E	5.6	0.0	5.6	1.0	6.60
105	Pearlymussel, Higgins' eye	Lampsilis higginsii	E	127.0	135.0	262.0	39.7	301.61
251	Pearlymussel, little-wing	Pegias fabula	E	42.4	3.3	45.7	10.0	55.77
281	Pearlymussel, orange-foot pimpleback	Plethobasus cooperianus	E	7.0	36.6	43.6	1.0	44.60
707	Pearlymussel, pale lilliput	Toxolasma cylindrellus	E	7.8	0.2	8.0	1.0	9.00
179	Pearlymussel, pink mucket	Lampsilis abrupta	E	94.4	17.5	111.9	2.3	114.17
456	Pearlymussel, purple cat's paw	Epioblasma obliquata obliquata	E	8.6	0.4	9.0	11.0	20.00
680	Pearlymussel, tubercled-blossom	Epioblasma torulosa torulosa	E	9.5	0.0	9.5	1.0	10.50
774	Pearlymussel, turgid-blossom	Epioblasma turgidula	E	5.6	0.0	5.6	1.0	6.60
119	Pearlymussel, white cat's paw	Epioblasma obliquata perobliqua	E	228.0	0.0	228.0	10.0	238.00
745	Pearlymussel, white wartyback	Plethobasus cicatricosus	E	6.9	0.0	6.9	1.0	7.90
730	Pearlymussel, yellow-blossom	Epioblasma florentina florentina	E	7.1	0.0	7.1	1.0	8.10
328	Pigtoe (mussel), oval	Pleurobema pyriforme	E	23.0	11.2	34.2	0.0	34.20
623	Pigtoe, Cumberland (=Cumberland pigtoe)	Pleurobema gibberum	E	9.6	2.7	12.3	1.0	13.30
733	Pigtoe, dark	Pleurobema furvum	E	2.0	6.0	8.0	0.0	8.00
654	Pigtoe, fine-rayed	Fusconaia cuneolus	E	9.2	2.3	11.5	1.0	12.46
1025	Pigtoe, flat (=Marshall's mussel)	Pleurobema marshalli	E	1.7	0.2	1.9	0.3	2.22
891	Pigtoe, heavy (=Judge Tait's mussel)	Pleurobema taitianum	E	2.7	0.7	3.4	0.3	3.70
778	Pigtoe, rough	Pleurobema plenum	E	5.5	0.0	5.5	1.0	6.50
682	Pigtoe, shiny	Fusconaia cor	E	9.1	0.3	9.4	1.0	10.36
475	Pigtoe, southern	Pleurobema georgianum	E	9.1	9.8	18.9	0.2	19.06
666	Pocketbook (mussel), shinyrayed	Lampsilis subangulata	E	10.5	1.4	11.9	0.0	11.87
240	Pocketbook, fat	Potamilus capax	E	19.5	40.5	60.0	0.8	60.80
397	Pocketbook, fine-lined	Lampsilis altilis	T	14.3	9.7	24.0	3.3	27.31
1111	Pocketbook, speckled	Lampsilis streckeri	E	0.0	0.0	0.0	0.8	0.80
626	Rabbitsfoot, rough	Quadrula cylindrica strigillata	E	4.5	7.8	12.3	1.0	13.26
267	Riffleshell, northern	Epioblasma torulosa rangiana	E	34.1	7.1	41.2	10.4	51.56
275	Riffleshell, tan	Epioblasma walkeri	E	39.3	6.5	45.8	2.0	47.82
195	Rock-pocketbook, Ouachita (=Wheeler's pocketbook)	Arkansia wheeleri	E	89.0	4.2	93.2	3.9	97.05
1138	Slabshell, Chipola	Elliptio chipolaensis	T	0.0	0.0	0.0	0.0	-
379	Spinymussel, James River (=Virginia)	Pleurobema collina	E	19.0	9.7	28.7	0.0	28.70
382	Spinymussel, Tar River	Elliptio steinstansana	E	18.0	0.4	18.4	10.0	28.39
1025	Stirrupshell	Quadrula stapes	E	1.7	0.2	1.9	0.3	2.22
1097	Three-ridge (mussel), fat	Amblema neislerii	E	0.0	1.0	1.0	0.0	1.00

**TABLE 1. FY 1998 REPORTED EXPENDITURES (\$000) FOR ENDANGERED AND THREATENED SPECIES, NOT INCLUDING LAND ACQUISITION COSTS**

RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	FWS TOTAL	OTHER FED	FED TOTAL	STATES TOTAL	SPECIES TOTAL (\$000)
<b>SNAILS</b>								
194	Ambersnail, Kanab	Oxyloma haydeni kanabensis	E	11.0	76.3	87.3	10.0	97.30
320	Limpet, Banbury Springs	Lanx sp.	E	35.5	0.3	35.8	0.0	35.80
1097	Marstonia (snail), royal (=obese)	Pyrgulopsis ogmoraphe	E	0.0	0.0	0.0	1.0	1.00
853	Riversnail, Anthony's	Athearnia anthonyi	E	2.0	0.0	2.0	2.4	4.42
860	Shagreen, Magazine Mountain	Mesodon magazinensis	T	1.5	2.3	3.8	0.3	4.10
217	Snail, Bliss Rapids	Taylorconcha serpenticola	T	35.5	36.4	71.9	0.2	72.10
757	Snail, Chittenango ovate amber	Succinea chittenangoensis	T	4.0	0.0	4.0	3.0	7.00
892	Snail, flat-spined three-toothed	Triodopsis platysayoides	T	2.0	0.0	2.0	1.7	3.67
976	Snail, Iowa Pleistocene	Discus macclintocki	E	0.0	1.6	1.6	1.2	2.75
403	Snail, Morro shoulderband (=Banded dune)	Helminthoglypta walkeriana	E	19.5	7.0	26.5	0.0	26.50
1128	Snail, noonday	Mesodon clarki nantahala	T	0.4	0.0	0.4	0.0	0.40
1097	Snail, painted snake coiled forest	Anguispira picta	T	0.0	0.0	0.0	1.0	1.00
219	Snail, Snake River physa	Physa natricina	E	35.5	36.0	71.5	0.2	71.66
321	Snail, Stock Island tree	Orthalicus reses	T	35.5	0.0	35.5	0.0	35.50
532	Snail, tulotoma (=Alabama live-bearing)	Tulotoma magnifica	E	15.0	0.7	15.7	0.0	15.70
115	Snail, Utah valvata	Valvata utahensis	E	35.5	222.5	258.0	3.2	261.16
1138	Snail, Virginia fringed mountain	Polygyriscus virginianus	E	0.0	0.0	0.0	0.0	-
109	Snails, Oahu tree	Achatinella^ spp. (all species)	E	24.0	257.8	281.8	0.0	281.82
897	Springsnail, Alamosa	Tryonia alamosae	E	0.0	2.0	2.0	1.5	3.50
270	Springsnail, Bruneau Hot	Pyrgulopsis bruneauensis	E	35.5	9.0	44.5	6.4	50.94
219	Springsnail, Idaho	Fontelicella idahoensis	E	35.5	36.0	71.5	0.2	71.66
778	Springsnail, Socorro	Pyrgulopsis neomexicana	E	3.0	2.0	5.0	1.5	6.50
<b>INSECTS</b>								
130	Beetle, American burying (=giant carrion)	Nicrophorus americanus	E	17.2	144.0	161.2	28.4	189.61
579	Beetle, Coffin Cave mold	Batrisodes texanus	E	14.0	0.0	14.0	0.0	14.00
386	Beetle, Comal Springs dryopid	Stygoparnus comalensis	E	27.0	1.0	28.0	0.0	28.00
386	Beetle, Comal Springs riffle	Heterelmis comalensis	E	27.0	1.0	28.0	0.0	28.00
789	Beetle, delta green ground	Elaphrus viridis	T	5.3	1.0	6.3	0.0	6.30
495	Beetle, Hungerford's crawling water	Brychius hungerfordi	E	18.0	0.0	18.0	0.0	18.00
579	Beetle, Kretschmarr Cave mold	Texamaurops reddelli	E	14.0	0.0	14.0	0.0	14.00
1033	Beetle, Mount Hermon June	Polyphylla barbata	E	2.0	0.0	2.0	0.0	2.00
304	Beetle, northeastern beach tiger	Cicindela dorsalis dorsalis	T	18.5	16.5	35.0	3.9	38.90
481	Beetle, Puritan tiger	Cicindela puritana	T	7.5	0.2	7.7	11.0	18.65
579	Beetle, Tooth Cave ground	Rhadine persephone	E	14.0	0.0	14.0	0.0	14.00
124	Beetle, valley elderberry longhorn	Desmocerus californicus dimorphus	T	180.3	39.7	220.0	0.0	219.99
224	Butterfly, bay checkerspot	Euphydryas editha bayensis	T	69.3	0.0	69.3	0.0	69.30



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RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	FWS TOTAL	OTHER FED	FED TOTAL	STATES TOTAL	SPECIES TOTAL (\$000)
1117	Butterfly, Behren's silverspot	Speyeria zerene behrensii	E	0.5	0.0	0.5	0.0	0.50
789	Butterfly, callippe silverspot	Speyeria callippe callippe	E	5.3	1.0	6.3	0.0	6.30
262	Butterfly, El Segundo blue	Euphilotes battoides allyni	E	53.0	0.0	53.0	0.0	53.00
71	Butterfly, Karner blue	Lycaeides melissa samuelis	E	381.5	171.6	553.1	158.7	711.76
789	Butterfly, Lange's metalmark	Apodemia mormo langei	E	6.3	0.0	6.3	0.0	6.30
1117	Butterfly, lotis blue	Lycaeides argyrognomon lotis	E	0.5	0.0	0.5	0.0	0.50
293	Butterfly, mission blue	Icaricia icarioides missionensis	E	42.3	0.0	42.3	0.0	42.30
94	Butterfly, Mitchell's satyr	Neonympha mitchellii mitchellii	E	163.5	197.0	360.5	21.0	381.50
410	Butterfly, Myrtle's silverspot	Speyeria zerene myrtleae	E	25.3	0.0	25.3	0.0	25.31
177	Butterfly, Oregon silverspot	Speyeria zerene hippolyta	T	66.0	49.0	115.0	4.0	119.00
201	Butterfly, Palos Verdes blue	Glaucopsyche lygdamus palosverdesensis	E	36.0	50.0	86.0	0.0	86.00
199	Butterfly, Quino checkerspot	Euphydryas editha quino (=E. e. wrighti)	E	52.0	42.5	94.5	0.0	94.50
269	Butterfly, Saint Francis' satyr	Neonympha mitchellii francisci	E	1.2	50.0	51.2	0.0	51.20
821	Butterfly, San Bruno elfin	Callophrys mossii bayensis	E	5.3	0.0	5.3	0.0	5.30
310	Butterfly, Schaus swallowtail	Heraclides aristodemus ponceanus	E	35.5	0.8	36.3	0.3	36.64
1033	Butterfly, Smith's blue	Euphilotes enoptes smithi	E	2.0	0.0	2.0	0.0	2.00
338	Butterfly, Uncompahgre fritillary	Boloria acrocneuma	E	0.7	32.0	32.7	0.0	32.70
142	Dragonfly, Hine's (=Ohio) emerald	Somatochlora hineana	E	35.0	0.1	35.1	128.6	163.72
317	Fly, Delhi Sands flower-loving	Rhaphiomidas terminatus abdominalis	E	36.0	0.0	36.0	0.0	36.00
465	Grasshopper, Zayante band-winged	Trimerotropis infantilis	E	19.5	0.0	19.5	0.0	19.50
1055	Moth, Kern primrose sphinx	Euproserpinus euterpe	T	1.3	0.5	1.8	0.0	1.80
865	Naucorid, Ash Meadows	Ambrysus amargosus	T	4.0	0.0	4.0	0.0	4.00
495	Skipper, Laguna Mountains	Pyrgus ruralis lagunae	E	2.0	16.0	18.0	0.0	18.00
1061	Skipper, Pawnee montane	Hesperia leonardus montana	T	0.0	1.5	1.5	0.0	1.50
	<b>ARACHNIDS</b>							
579	Harvestman, Bee Creek Cave	Texella reddelli	E	14.0	0.0	14.0	0.0	14.00
579	Harvestman, Bone Cave	Texella reyesi	E	14.0	0.0	14.0	0.0	14.00
579	Pseudoscorpion, Tooth Cave	Microcreagris texana	E	14.0	0.0	14.0	0.0	14.00
886	Spider, spruce-fir moss	Microhexura montivaga	E	0.5	3.4	3.9	0.0	3.90
579	Spider, Tooth Cave	Leptoneta myopica	E	14.0	0.0	14.0	0.0	14.00
	<b>CRUSTACEANS</b>							
1138	Amphipod, Hay's Spring	Stygobromus hayi	E	0.0	0.0	0.0	0.0	-
447	Amphipod, Illinois cave	Gammarus acherondytes	E	20.0	0.0	20.0	0.8	20.80
386	Amphipod, Peck's cave	Stygobromus pecki (=Stygonectes p.)	E	27.0	1.0	28.0	0.0	28.00
1033	Crayfish, cave [no common name]	Cambarus aculabrum	E	2.0	0.0	2.0	0.0	2.00
696	Crayfish, cave [no common name]	Cambarus zophonastes	E	2.0	0.0	2.0	7.5	9.50

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623	Crayfish, Nashville	Orconectes shoupi	E	11.3	0.0	11.3	2.0	13.30
323	Crayfish, Shasta (=placid)	Pacifastacus fortis	E	33.3	1.7	35.0	0.0	35.04
333	Fairy shrimp, Conservancy	Branchinecta conservatio	E	21.3	12.0	33.3	0.0	33.30
239	Fairy shrimp, longhorn	Branchinecta longiantenna	E	60.3	2.0	62.3	0.0	62.30
154	Fairy shrimp, riverside	Streptocephalus woottoni	E	93.0	54.7	147.7	0.0	147.70
134	Fairy shrimp, San Diego	Branchinecta sandiegoensis	E	87.0	93.5	180.5	0.0	180.50
93	Fairy shrimp, vernal pool	Branchinecta lynchi	T	271.3	119.7	391.0	0.0	390.98
865	Isopod, Lee County cave	Lirceus usdagalun	E	4.0	0.0	4.0	0.0	4.00
1138	Isopod, Madison Cave	Antrolana lira	T	0.0	0.0	0.0	0.0	-
691	Isopod, Socorro	Thermosphaeroma thermophilus	E	3.0	2.0	5.0	4.8	9.83
375	Shrimp, Alabama cave	Palaemonias alabamae	E	9.0	20.0	29.0	0.0	29.00
243	Shrimp, California freshwater	Syncais pacifica	E	47.3	12.0	59.3	0.0	59.30
1138	Shrimp, Kentucky cave	Palaemonias ganteri	E	0.0	0.0	0.0	0.0	-
1138	Shrimp, Squirrel Chimney Cave (=Florida c	Palaemonetes cummingi	T	0.0	0.0	0.0	0.0	-
113	Tadpole shrimp, vernal pool	Lepidurus packardi	E	220.3	49.0	269.3	0.0	269.30
	<b>INVERTEBRATES subtotals</b>	<b># of species:</b>	<b>153</b>	<b>4,198.50</b>	<b>2,608.77</b>	<b>6,807.27</b>	<b>690.25</b>	<b>7,497.52</b>
	<b>PLANTS</b>							
	<b>FLOWERING PLANTS</b>							
829	`Aiakeakua, popolo	Solanum sandwicense	E	5.0	0.0	5.0	0.0	5.03
797	`Aiea	Nothoecstrum breviflorum	E	6.0	0.0	6.0	0.0	6.00
897	`Aiea	Nothoecstrum peltatum	E	3.5	0.0	3.5	0.0	3.50
558	`Akoko	Chamaesyce celastroides var. kaenana	E	14.5	0.0	14.5	0.0	14.50
605	`Akoko	Chamaesyce deppeana	E	13.5	0.0	13.5	0.0	13.50
643	`Akoko	Chamaesyce herbstii	E	12.5	0.0	12.5	0.0	12.50
643	`Akoko	Chamaesyce kuwaleana	E	12.5	0.0	12.5	0.0	12.50
375	`Akoko	Chamaesyce rockii	E	13.5	15.5	29.0	0.0	29.00
399	`Akoko	Euphorbia haeleeeleana	E	15.5	11.7	27.2	0.0	27.20
983	`Akoko, Ewa Plains	Chamaesyce skottsbergii var. kalaeloana	E	2.5	0.0	2.5	0.0	2.50
378	`Anaunau	Lepidium arbuscula	E	14.5	14.3	28.8	0.0	28.80
634	`Anunu	Sicyos alba	E	13.0	0.0	13.0	0.0	13.00
983	`Awikiwiki	Canavalia molokaiensis	E	2.5	0.0	2.5	0.0	2.50
558	`Awiwi	Centaurium sebaeoides	E	14.5	0.0	14.5	0.0	14.50
948	`Awiwi	Hedyotis cookiana	E	3.0	0.0	3.0	0.0	3.00
579	`Oha	Delissea rivularis	E	14.0	0.0	14.0	0.0	14.00
536	`Oha	Delissea subcordata	E	15.5	0.0	15.5	0.0	15.50
634	`Oha wai	Clermontia drepanomorpha	E	13.0	0.0	13.0	0.0	13.00

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373	`Oha wai	Clermontia lindseyana	E	3.0	26.3	29.3	0.0	29.30
948	`Oha wai	Clermontia oblongifolia ssp. brevipes	E	3.0	0.0	3.0	0.0	3.00
948	`Oha wai	Clermontia oblongifolia ssp. mauiensis	E	3.0	0.0	3.0	0.0	3.00
897	`Oha wai	Clermontia peleana	E	3.5	0.0	3.5	0.0	3.50
897	`Oha wai	Clermontia pyralaria	E	3.5	0.0	3.5	0.0	3.50
167	`Ohai	Sesbania tomentosa	E	14.5	115.0	129.5	0.0	129.50
404	`Ohe `ohe	Tetraplasandra gymnocarpa	E	13.5	12.9	26.4	0.0	26.40
983	`Olulu	Brighamia insignis	E	2.5	0.0	2.5	0.0	2.50
605	A`e	Zanthoxylum dipetalum var. tomentosum	E	13.5	0.0	13.5	0.0	13.50
865	A`e	Zanthoxylum hawaiiense	E	4.0	0.0	4.0	0.0	4.00
948	Abutilon eremitopetalum (=Sci name)	Abutilon eremitopetalum	E	3.0	0.0	3.0	0.0	3.00
643	Abutilon sandwicense (=Sci name)	Abutilon sandwicense	E	12.5	0.0	12.5	0.0	12.50
598	Achyranthes mutica (=Sci. name)	Achyranthes mutica	E	13.5	0.0	13.5	0.2	13.65
623	Agave, Arizona	Agave arizonica	E	7.0	6.3	13.3	0.0	13.30
948	Alani	Melicope adscendens	E	3.0	0.0	3.0	0.0	3.00
983	Alani	Melicope balloui	E	2.5	0.0	2.5	0.0	2.50
865	Alani	Melicope haupuensis	E	4.0	0.0	4.0	0.0	4.00
897	Alani	Melicope knudsenii	E	3.5	0.0	3.5	0.0	3.50
552	Alani	Melicope lydgatei	E	15.0	0.0	15.0	0.0	15.00
948	Alani	Melicope mucronulata	E	3.0	0.0	3.0	0.0	3.00
948	Alani	Melicope ovalis	E	2.5	0.0	2.5	0.5	3.00
897	Alani	Melicope pallida	E	3.5	0.0	3.5	0.0	3.50
865	Alani	Melicope quadrangularis	E	4.0	0.0	4.0	0.0	4.00
983	Alani	Melicope reflexa	E	2.5	0.0	2.5	0.0	2.50
605	Alani	Melicope saint-johnii	E	13.5	0.0	13.5	0.0	13.50
634	Alani	Melicope zahlbruckneri	E	13.0	0.0	13.0	0.0	13.00
1069	Allocarya, Calistoga	Plagiobothrys strictus	E	1.3	0.0	1.3	0.0	1.30
1055	Alopecurus, Sonoma	Alopecurus aequalis var. sonomensis	E	1.3	0.5	1.8	0.0	1.80
407	Alsinidendron obovatum (=Sci name)	Alsinidendron obovatum	E	13.0	11.7	24.7	1.3	26.00
479	Alsinidendron trinerve (=Sci name)	Alsinidendron trinerve	E	14.5	2.6	17.1	1.8	18.90
594	Alsinidendron viscosum (=Sci. name)	Alsinidendron viscosum	E	13.5	0.0	13.5	0.3	13.80
159	Amaranth, seabeach	Amaranthus pumilus	T	13.2	122.9	136.1	3.0	139.08
948	Amaranthus brownii (=Sci. name)	Amaranthus brownii	E	3.0	0.0	3.0	0.0	3.00
797	Ambrosia, south Texas	Ambrosia cheiranthifolia	E	4.0	2.0	6.0	0.0	6.00
362	Amphianthus, little	Amphianthus pusillus	T	26.5	1.0	27.5	3.0	30.54
830	Aristida chaseae (=Sci name)	Aristida chaseae	E	5.0	0.0	5.0	0.0	5.00
570	Arrowhead, bunched	Sagittaria fasciculata	E	11.1	0.0	11.1	3.0	14.10
236	Aster, decurrent false	Boltonia decurrens	T	57.0	5.6	62.6	1.2	63.72

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1117	Aster, Florida golden	Chrysopsis floridana	E	0.5	0.0	0.5	0.0	0.50
506	Aster, Ruth's golden	Pityopsis ruthii	E	8.2	9.1	17.3	0.0	17.30
865	Auerodendron pauciflorum (=Sci name)	Auerodendron pauciflorum	E	4.0	0.0	4.0	0.0	4.00
928	Aupaka	Isodendron hosakae	E	3.0	0.0	3.0	0.3	3.30
558	Aupaka	Isodendron laurifolium	E	14.5	0.0	14.5	0.0	14.50
605	Aupaka	Isodendron longifolium	T	13.5	0.0	13.5	0.0	13.50
420	Avens, spreading	Geum radiatum	E	8.6	15.9	24.5	0.0	24.50
1033	Ayenia, Texas	Ayenia limitaris	E	0.0	2.0	2.0	0.0	2.00
436	Baccharis, Encinitis	Baccharis vanessae	T	2.0	21.4	23.4	0.0	23.40
850	Barberry, island	Berberis pinnata ssp. insularis	E	2.0	2.5	4.5	0.0	4.50
1069	Barberry, Truckee	Berberis sonnei	E	1.3	0.0	1.3	0.0	1.30
830	Bariaco	Trichilia triacantha	E	5.0	0.0	5.0	0.0	5.00
828	Beaked-rush, Knieskern's	Rhynchospora knieskernii	T	0.0	5.0	5.0	0.1	5.10
1136	Beardtongue, Penland	Penstemon penlandii	E	0.0	0.1	0.1	0.0	0.10
1117	Beargrass, Britton's	Nolina brittoniana	E	0.5	0.0	0.5	0.0	0.50
529	Bear-poppy, dwarf	Arctomecon humilis	E	1.6	14.0	15.6	0.2	15.80
778	Beauty, Harper's	Harperocalis flava	E	3.5	3.0	6.5	0.0	6.50
928	Bedstraw, El Dorado	Galium californicum ssp. sierrae	E	3.3	0.0	3.3	0.0	3.30
948	Bedstraw, island	Galium buxifolium	E	2.0	1.0	3.0	0.0	3.00
1117	Bellflower, Brooksville	Campanula robinsiae	E	0.5	0.0	0.5	0.0	0.50
1138	Bidens, cuneate	Bidens cuneata	E	0.0	0.0	0.0	0.0	-
1137	Birch, Virginia round-leaf	Betula uber	T	0.0	0.1	0.1	0.0	0.06
165	Bird's beak, palmate-bracted	Cordylanthus palmatus	E	38.3	92.0	130.3	0.0	130.30
346	Bird's-beak, Pennell's	Cordylanthus tenuis ssp. capillaris	E	31.3	0.0	31.3	0.0	31.30
797	Bird's-beak, salt marsh	Cordylanthus maritimus ssp. maritimus	E	4.0	2.0	6.0	0.0	6.00
564	Bird's-beak, soft	Cordylanthus mollis ssp. mollis	E	3.3	11.0	14.3	0.0	14.30
983	Birds-in-a-nest, white	Macbridea alba	T	2.5	0.0	2.5	0.0	2.50
1132	Bittercress, small-anthered	Cardamine micranthera	E	0.2	0.0	0.2	0.0	0.20
750	Bladderpod, Dudley Bluffs	Lesquerella congesta	T	0.3	7.0	7.3	0.0	7.30
535	Bladderpod, kodachrome	Lesquerella tumulosa	E	0.4	15.0	15.4	0.2	15.60
1138	Bladderpod, lyrate	Lesquerella lyrata	T	0.0	0.0	0.0	0.0	-
216	Bladderpod, Missouri	Lesquerella filiformis	E	20.0	51.5	71.5	0.8	72.30
1029	Bladderpod, San Bernardino Mountains	Lesquerella kingii ssp. bernardina	E	2.0	0.0	2.0	0.0	2.05
1130	Bladderpod, Spring Creek	Lesquerella perforata	E	0.3	0.0	0.3	0.0	0.30
454	Bladderpod, white	Lesquerella pallida	E	19.0	1.3	20.3	0.0	20.30
757	Blazingstar, Ash Meadows	Mentzelia leucophylla	T	7.0	0.0	7.0	0.0	7.00
667	Blazingstar, Heller's	Liatis helleri	T	0.5	11.1	11.6	0.0	11.60
797	Blazingstar, scrub	Liatis ohlingerae	E	6.0	0.0	6.0	0.0	6.00

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RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	FWS TOTAL	OTHER FED	FED TOTAL	STATES TOTAL	SPECIES TOTAL (\$000)
1138	Bluecurls, Hidden Lake	<i>Trichostema austromontanum</i> ssp. <i>compact</i>	T	0.0	0.0	0.0	0.0	-
897	Bluegrass, Hawaiian	<i>Poa sandvicensis</i>	E	3.5	0.0	3.5	0.0	3.50
897	Bluegrass, Mann's	<i>Poa mannii</i>	E	3.5	0.0	3.5	0.0	3.50
1069	Bluegrass, Napa	<i>Poa napensis</i>	E	1.3	0.0	1.3	0.0	1.30
865	Bluegrass, San Bernardino	<i>Poa atropurpurea</i>	E	2.0	2.0	4.0	0.0	4.00
733	Blue-star, Kearney's	<i>Amsonia kearneyana</i>	E	1.0	7.0	8.0	0.0	8.00
720	Bluet, Roan Mountain	<i>Hedyotis purpurea</i> var. <i>montana</i>	E	8.6	0.1	8.7	0.0	8.70
338	Bonamia menziesii (=Sci name)	<i>Bonamia menziesii</i>	E	17.5	11.7	29.2	3.5	32.70
1097	Bonamia, Florida	<i>Bonamia grandiflora</i>	T	0.0	1.0	1.0	0.0	1.00
830	Boxwood, Vahl's	<i>Buxus vahlii</i>	E	5.0	0.0	5.0	0.0	5.00
1069	Brodiaea, Chinese Camp	<i>Brodiaea pallida</i>	T	1.3	0.0	1.3	0.0	1.30
1033	Broom, San Clemente Island	<i>Lotus dendroideus</i> ssp. <i>traskiae</i>	E	2.0	0.0	2.0	0.0	2.00
982	Buckwheat, cushenbury	<i>Eriogonum ovalifolium</i> var. <i>vineum</i>	E	2.5	0.0	2.5	0.0	2.55
1097	Buckwheat, scrub	<i>Eriogonum longifolium</i> var. <i>gnaphalifolium</i>	T	0.0	1.0	1.0	0.0	1.00
855	Buckwheat, steamboat	<i>Eriogonum ovalifolium</i> var. <i>williamsiae</i>	E	4.3	0.0	4.3	0.0	4.30
1093	Bulrush, Northeastern (=barbed bristle)	<i>Scirpus ancistrochaetus</i>	E	0.0	0.2	0.2	1.0	1.17
309	Bush-clover, prairie	<i>Lespedeza leptostachya</i>	T	28.0	0.1	28.1	9.0	37.13
750	Bush-mallow, San Clemente Island	<i>Malacothamnus clementinus</i>	E	2.0	5.3	7.3	0.0	7.30
983	Bush-mallow, Santa Cruz Island	<i>Malacothamnus fasciculatus</i> var. <i>nesioticus</i>	E	2.0	0.5	2.5	0.0	2.50
1090	Buttercup, autumn	<i>Ranunculus acriformis</i> var. <i>aestivalis</i>	E	1.0	0.0	1.0	0.2	1.20
180	Butterweed, Layne's	<i>Senecio layneae</i>	T	3.3	110.7	114.0	0.0	114.00
1055	Butterwort, Godfrey's	<i>Pinguicula ionantha</i>	T	1.5	0.3	1.8	0.0	1.80
796	Button, Mohr's Barbara	<i>Marshallia mohrii</i>	T	2.5	0.2	2.7	3.3	6.03
126	Button-celery, San Diego	<i>Eryngium aristulatum</i> var. <i>parishii</i>	E	53.0	152.2	205.2	0.0	205.20
671	Cactus, Arizona hedgehog	<i>Echinocereus triglochidiatus</i> var. <i>arizonicus</i>	E	1.0	10.3	11.3	0.0	11.30
305	Cactus, Bakersfield	<i>Opuntia treleasei</i>	E	33.3	5.5	38.8	0.0	38.80
1097	Cactus, black lace	<i>Echinocereus reichenbachii</i> var. <i>albertii</i>	E	0.0	0.0	0.0	1.0	1.00
499	Cactus, Brady pincushion	<i>Pediocactus bradyi</i>	E	0.0	17.9	17.9	0.0	17.90
687	Cactus, bunched cory	<i>Coryphantha ramillosa</i>	T	9.0	1.0	10.0	0.0	10.00
978	Cactus, Chisos Mtn. hedgehog	<i>Echinocereus chisoensis</i> var. <i>chisoensis</i>	T	1.0	1.6	2.6	0.0	2.60
1095	Cactus, Cochise pincushion	<i>Coryphantha robbinsorum</i>	T	1.0	0.1	1.1	0.0	1.10
1061	Cactus, Key tree	<i>Pilosocereus robinii</i>	E	1.5	0.0	1.5	0.0	1.50
570	Cactus, Knowlton	<i>Pediocactus knowltonii</i>	E	6.6	7.5	14.1	0.0	14.10
214	Cactus, Kuenzler hedgehog	<i>Echinocereus fendleri</i> var. <i>kuenzleri</i>	E	6.0	68.7	74.7	0.0	74.70
687	Cactus, Lee pincushion	<i>Coryphantha sneedii</i> var. <i>leei</i>	T	0.0	10.0	10.0	0.0	10.00
1097	Cactus, Lloyd's hedgehog	<i>Echinocereus lloydii</i>	E	1.0	0.0	1.0	0.0	1.00
707	Cactus, Lloyd's Mariposa	<i>Echinomastus mariposensis</i>	T	7.0	1.0	8.0	1.0	9.00
108	Cactus, Mesa Verde	<i>Sclerocactus mesae-verdae</i>	T	9.3	279.5	288.8	0.0	288.80

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1097	Cactus, Nellie cory	Escobaria minima	E	0.0	0.0	0.0	1.0	1.00
733	Cactus, Nichol's Turk's head	Echinocactus horzonthalonius var. nicholii	E	5.0	3.0	8.0	0.0	8.00
707	Cactus, Peebles Navajo	Pediocactus peeblesianus var. peeblesianus	E	1.0	8.0	9.0	0.0	9.00
158	Cactus, Pima pineapple	Coryphantha scheeri var. robustispina	E	63.0	79.3	142.3	0.0	142.30
413	Cactus, San Rafael	Pediocactus despainii	E	2.0	23.0	25.0	0.2	25.20
705	Cactus, Siler pincushion	Pediocactus sileri	T	4.0	5.0	9.0	0.2	9.20
342	Cactus, Sneed pincushion	Coryphantha sneedii var. sneedii	E	6.0	26.0	32.0	0.0	32.00
948	Cactus, star	Astrophytum asterias	E	3.0	0.0	3.0	0.0	3.00
385	Cactus, Tobusch fishhook	Ancistrocactus tobuschii	E	20.0	4.0	24.0	4.1	28.10
487	Cactus, Unita Basin hookless	Sclerocactus glaucus	T	2.8	15.3	18.1	0.2	18.30
274	Cactus, Winkler	Pediocactus winkleri	T	8.0	40.5	48.5	0.2	48.70
605	Cactus, Wright fishhook	Sclerocactus wrightiae	E	0.8	12.5	13.3	0.2	13.50
865	Calyptanthes thomasiana (=Sci name)	Calyptanthes thomasiana	E	4.0	0.0	4.0	0.0	4.00
405	Campion, fringed	Silene polypetala	E	26.0	0.0	26.0	0.3	26.30
811	Capa rosa	Callicarpa ampla	E	5.0	0.8	5.8	0.0	5.80
1097	Cat's-eye, Terlingua Creek	Cryptantha crassipes	E	1.0	0.0	1.0	0.0	1.00
346	Ceanothus, coyote (=California-lilac, Coyote)	Ceanothus ferrisae	E	31.3	0.0	31.3	0.0	31.30
928	Ceanothus, Pine Hill	Ceanothus roderickii	E	3.3	0.0	3.3	0.0	3.30
707	Centauray, spring-loving	Centaurium namophilum	T	9.0	0.0	9.0	0.0	9.00
818	Chaff-flower, round-leaved	Achyranthes splendens var. rotundata	E	4.5	0.0	4.5	1.0	5.50
157	Chaffseed, American	Schwalbea americana	E	30.2	107.4	137.6	5.7	143.28
830	Chamaecrista glandulosa var. mirabilis (=S)	Chamaecrista glandulosa var. mirabilis	E	5.0	0.0	5.0	0.0	5.00
897	Chamaesyce halemanui (=Sci name)	Chamaesyce halemanui	E	3.5	0.0	3.5	0.0	3.50
1069	Checker-mallow, Kenwood Marsh	Sidalcea oregana ssp. valida	E	1.3	0.0	1.3	0.0	1.30
128	Checker-mallow, Nelson's	Sidalcea nelsoniana	T	49.0	118.2	167.2	25.0	192.18
248	Checker-mallow, pedate	Sidalcea pedata	E	53.0	5.0	58.0	0.0	58.00
797	Chumbo, higo	Harrisia portoricensis	T	6.0	0.0	6.0	0.0	6.00
811	Chupacallos (=Chupagallo)	Pleodendron macranthum	E	5.0	0.8	5.8	0.0	5.80
668	Cinquefoil, Robbins'	Potentilla robbinsiana	E	0.0	11.5	11.5	0.0	11.50
465	Clarkia, Pismo	Clarkia speciosa ssp. immaculata	E	19.5	0.0	19.5	0.0	19.50
346	Clarkia, Presidio	Clarkia franciscana	E	31.3	0.0	31.3	0.0	31.30
658	Clarkia, Springville	Clarkia springvillensis	T	1.3	10.8	12.1	0.0	12.10
1069	Clarkia, Vine Hill	Clarkia imbricata	E	1.3	0.0	1.3	0.0	1.30
656	Cliff-rose, Arizona	Purshia subintegra	E	2.0	10.4	12.4	0.0	12.40
1033	Clover, Monterey (=Del Monte)	Trifolium trichocalyx	E	2.0	0.0	2.0	0.0	2.00
356	Clover, running buffalo	Trifolium stoloniferum	E	22.4	6.6	29.0	2.2	31.24
1055	Clover, showy Indian	Trifolium amoenum	E	1.8	0.0	1.8	0.0	1.80
228	Coneflower, smooth	Echinacea laevigata	E	13.8	51.8	65.6	1.5	67.13

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983	Coneflower, Tennessee purple	Echinacea tennesseensis	E	2.3	0.2	2.5	0.0	2.50
757	Cordia bellonis	Cordia bellonis	E	7.0	0.0	7.0	0.0	7.00
1033	Cranichis ricartii (=Sci name)	Cranichis ricartii	E	2.0	0.0	2.0	0.0	2.00
1132	Cress, toad-flax	Schoenocrambe suffrutescens	E	0.0	0.0	0.0	0.2	0.20
1033	Crownbeard, big-leaved	Verbesina dissita	T	2.0	0.0	2.0	0.0	2.00
928	Cyanea macrostegia ssp. gibsonii (=Sci na	Cyanea macrostegia ssp. gibsonii	E	3.0	0.0	3.0	0.3	3.30
380	Cyanea superba (=Sci name)	Cyanea superba	E	15.0	11.7	26.7	1.9	28.60
865	Cyanea undulata (=Sci name)	Cyanea undulata	E	4.0	0.0	4.0	0.0	4.00
845	Cycladenia, Jones	Cycladenia humilis var. jonesii	T	0.2	4.5	4.7	0.2	4.90
732	Daisy, lakeside	Hymenoxys herbacea (=acaulis var. glabra	T	7.0	0.1	7.1	1.0	8.06
482	Daisy, Maguire	Erigeron maguirei var. maguirei	E	0.4	18.0	18.4	0.2	18.60
1029	Daisy, Parish's	Erigeron parishii	T	2.0	0.0	2.0	0.0	2.05
386	Daphnopsis hellerana (=Sci name)	Daphnopsis hellerana	E	28.0	0.0	28.0	0.0	28.00
295	Dawn-flower, Texas prairie	Hymenoxys texana	E	18.0	24.0	42.0	0.0	42.00
724	Delissea rhytidosperma (=Sci name)	Delissea rhytidosperma	E	4.0	0.0	4.0	4.5	8.50
789	Delissea undulata (=Sci name)	Delissea undulata	E	3.5	0.0	3.5	2.8	6.30
928	Dogweed, ashy	Thymophylla tephroleuca	E	3.0	0.3	3.3	0.0	3.30
706	Dropwort, Canby's	Oxypolis canbyi	E	4.7	1.2	5.9	3.2	9.10
897	Dubautia latifolia (=Sci name)	Dubautia latifolia	E	3.5	0.0	3.5	0.0	3.50
983	Dubautia pauciflorula (=Sci name)	Dubautia pauciflorula	E	2.5	0.0	2.5	0.0	2.50
465	Dudleya, Conejo	Dudleya abramsii ssp. parva	T	19.5	0.0	19.5	0.0	19.50
465	Dudleya, Marcescent	Dudleya cymosa ssp. marcescens	T	19.5	0.0	19.5	0.0	19.50
346	Dudleya, Santa Clara Valley	Dudleya setchellii	E	31.3	0.0	31.3	0.0	31.30
1033	Dudleya, Santa Cruz Island	Dudleya nesiotica	T	2.0	0.0	2.0	0.0	2.00
465	Dudleya, Verity's	Dudleya verityi	E	19.5	0.0	19.5	0.0	19.50
450	Dudleyea, Santa Monica Mountains	Dudleya cymosa ssp. ovatifolia	T	19.5	1.0	20.5	0.0	20.50
333	Dwarf-flax, Marin	Hesperolinon congestum	T	33.3	0.0	33.3	0.0	33.30
797	Erubia	Solanum drymophilum	E	6.0	0.0	6.0	0.0	6.00
757	Eugenia woodburyana (=Sci name)	Eugenia woodburyana	E	7.0	0.0	7.0	0.0	7.00
821	Evening-primrose, Antioch Dunes	Oenothera deltoides ssp. howellii	E	5.3	0.0	5.3	0.0	5.30
660	Evening-primrose, Eureka Valley	Oenothera avita ssp. eurekaensis	E	2.0	10.0	12.0	0.0	12.00
797	Evening-primrose, San Benito	Camissonia benitensis	T	6.0	0.0	6.0	0.0	6.00
821	Fiddleneck, Large-flowered	Amsinckia grandiflora	E	5.3	0.0	5.3	0.0	5.30
928	Flannelbush, Pine Hill	Fremontodendron californicum ssp. decumb	E	3.3	0.0	3.3	0.0	3.30
492	Fleabane, Rhizome	Erigeron rhizomatus	T	6.0	12.2	18.2	0.0	18.20
311	Four-o'clock, MacFarlane's	Mirabilis macfarlanei	E	18.5	17.1	35.6	1.0	36.60
595	Frankenia, Johnston's	Frankenia johnstonii	E	7.0	1.0	8.0	5.7	13.70
983	Fringepod (=lacepod), Santa Cruz Island	Thysanocarpus conchuliferus	E	2.0	0.5	2.5	0.0	2.50

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944	Gahnia lanaiensis (=Sci name)	Gahnia lanaiensis	E	3.0	0.0	3.0	0.1	3.10
311	Gardenia, Hawaiian (na`u)	Gardenia brighamii	E	35.5	0.0	35.5	1.1	36.60
707	Geocarpon minimum (=Sci name)	Geocarpon minimum	T	2.0	2.5	4.5	4.5	9.00
757	Geranium, Hawaiian red-flowered	Geranium arboreum	E	5.5	0.0	5.5	1.5	7.00
483	Gerardia, sandplain	Agalinis acuta	E	0.0	5.0	5.0	13.6	18.56
757	Gesneria pauciflora (=Sci name)	Gesneria pauciflora	T	7.0	0.0	7.0	0.0	7.00
774	Gilia, Hoffmann's slender-flowered	Gilia tenuiflora ssp. hoffmannii	E	2.0	4.6	6.6	0.0	6.60
465	Gilia, Monterey	Gilia tenuiflora ssp. arenaria	E	19.5	0.0	19.5	0.0	19.50
830	Goetzea, beautiful (matabuey)	Goetzea elegans	E	5.0	0.0	5.0	0.0	5.00
720	Goldenrod, Blue Ridge	Solidago spithamaea	T	8.6	0.1	8.7	0.0	8.70
278	Goldenrod, Houghton's	Solidago houghtonii	T	42.0	0.7	42.7	3.0	45.70
728	Goldenrod, Short's	Solidago shortii	E	8.3	0.0	8.3	0.0	8.30
634	Goldenrod, white-haired	Solidago albopilosa	T	7.1	5.9	13.0	0.0	13.00
719	Goldfields, Burke's	Lasthenia burkei	E	8.8	0.0	8.8	0.0	8.80
855	Goldfields, Contra Costa	Lasthenia conjugens	E	3.3	1.0	4.3	0.0	4.30
813	Gooseberry, Miccosukee (Florida)	Ribes echinellum	T	1.6	2.6	4.2	1.5	5.70
983	Gouania hillebrandii (=Sci name)	Gouania hillebrandii	E	2.5	0.0	2.5	0.0	2.50
605	Gouania meyenii (=Sci name)	Gouania meyenii	E	13.5	0.0	13.5	0.0	13.50
601	Gouania vitifolia (=Sci name)	Gouania vitifolia	E	13.5	0.0	13.5	0.1	13.60
1061	Gourd, Okeechobee	Cucurbita okeechobeensis ssp. okeechobee	E	0.5	1.0	1.5	0.0	1.50
245	Grass, California Orcutt	Orcuttia californica	E	59.0	0.0	59.0	0.0	59.00
750	Grass, Colusa	Neostapfia colusana	T	6.3	1.0	7.3	0.0	7.30
660	Grass, Eureka Dune	Swallenia alexandrae	E	2.0	10.0	12.0	0.0	12.00
1023	Grass, Solano	Tuctoria mucronata	E	1.3	1.0	2.3	0.0	2.30
794	Grass, Tennessee yellow-eyed	Xyris tennesseensis	E	2.7	3.4	6.1	0.0	6.10
532	Ground-plum, Guthrie's	Astragalus bibullatus	E	15.7	0.0	15.7	0.0	15.70
1128	Groundsel, San Francisco Peaks	Senecio franciscanus	T	0.0	0.4	0.4	0.0	0.40
757	Gumplant, Ash Meadows	Grindelia fraxino-pratensis	T	7.0	0.0	7.0	0.0	7.00
604	Ha`iwale	Cyrtandra crenata	E	13.5	0.0	13.5	0.1	13.55
411	Ha`iwale	Cyrtandra dentata	E	13.5	11.7	25.2	0.1	25.30
948	Ha`iwale	Cyrtandra giffardii	E	3.0	0.0	3.0	0.0	3.00
893	Ha`iwale	Cyrtandra limahuliensis	T	3.5	0.0	3.5	0.2	3.65
948	Ha`iwale	Cyrtandra munroi	E	3.0	0.0	3.0	0.0	3.00
564	Ha`iwale	Cyrtandra polyantha	E	14.0	0.0	14.0	0.3	14.30
519	Ha`iwale	Cyrtandra subumbellata	E	13.5	2.6	16.1	0.3	16.40
897	Ha`iwale	Cyrtandra tintinnabula	E	3.5	0.0	3.5	0.0	3.50
485	Ha`iwale	Cyrtandra viridiflora	E	14.0	4.5	18.5	0.0	18.50
579	Haha	Cyanea (=Rollandia) humboldtiana	E	13.5	0.0	13.5	0.5	14.00



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RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	FWS TOTAL	OTHER FED	FED TOTAL	STATES TOTAL	SPECIES TOTAL (\$000)
495	Haha	Cyanea (=Rollandia) st-johnii	E	13.5	4.5	18.0	0.0	18.00
445	Haha	Cyanea acuminata	E	13.5	7.1	20.6	0.5	21.10
865	Haha	Cyanea asarifolia	E	4.0	0.0	4.0	0.0	4.00
897	Haha	Cyanea copelandii ssp. copelandii	E	3.5	0.0	3.5	0.0	3.50
631	Haha	Cyanea dunbarii	E	13.0	0.0	13.0	0.1	13.05
548	Haha	Cyanea grimesiana spp. obatae	E	15.0	0.0	15.0	0.1	15.10
443	Haha	Cyanea grimesiana ssp. grimesiana	E	18.5	2.6	21.1	0.5	21.60
733	Haha	Cyanea hamatiflora ssp. carlsonii	E	7.5	0.0	7.5	0.5	8.00
370	Haha	Cyanea koolauensis	E	13.5	15.5	29.0	0.6	29.60
855	Haha	Cyanea lobata	E	2.5	0.0	2.5	1.8	4.30
579	Haha	Cyanea longiflora	E	13.5	0.0	13.5	0.5	14.00
983	Haha	Cyanea mannii	E	2.5	0.0	2.5	0.0	2.50
983	Haha	Cyanea mceldowneyi	E	2.5	0.0	2.5	0.0	2.50
629	Haha	Cyanea pinnatifida	E	13.0	0.0	13.0	0.1	13.10
605	Haha	Cyanea platyphylla	E	13.5	0.0	13.5	0.0	13.50
944	Haha	Cyanea procera	E	3.0	0.0	3.0	0.1	3.10
601	Haha	Cyanea recta	T	13.5	0.0	13.5	0.1	13.60
521	Haha	Cyanea remyi	E	13.5	0.0	13.5	2.8	16.30
896	Haha	Cyanea shipmannii	E	3.5	0.0	3.5	0.1	3.55
860	Haha	Cyanea stictophylla	E	3.5	0.0	3.5	0.6	4.10
564	Haha	Cyanea truncata	E	14.0	0.0	14.0	0.3	14.30
529	Hala pepe	Pleomele hawaiiensis	E	13.0	0.5	13.5	2.3	15.80
699	Haplostachys haplostachya (=Sci name)	Haplostachys haplostachya	E	3.0	6.3	9.3	0.2	9.44
1061	Harebells, Avon Park	Crotalaria avonensis	E	1.5	0.0	1.5	0.0	1.50
441	Harperella	Ptilimnium nodosum	E	7.3	9.7	17.0	4.8	21.79
567	Hau kuahiwi	Hibiscadelphus giffardianus	E	13.5	0.5	14.0	0.3	14.25
521	Hau kuahiwi	Hibiscadelphus woodii	E	14.0	0.0	14.0	2.3	16.30
511	Hau kuahiwi, Hualalai	Hibiscadelphus hualalaiensis	E	16.5	0.0	16.5	0.3	16.80
816	Heartleaf, dwarf-flowered	Hexastylis naniflora	T	4.2	0.4	4.6	1.0	5.59
724	Heather, mountain golden	Hudsonia montana	T	5.2	3.3	8.5	0.0	8.50
894	Heau	Exocarpos luteolus	E	3.5	0.0	3.5	0.1	3.60
628	Hedyotis degeneri (=Sci name)	Hedyotis degeneri	E	13.0	0.0	13.0	0.2	13.15
392	Hedyotis parvula (=Sci name)	Hedyotis parvula	E	12.5	15.2	27.7	0.1	27.82
983	Hedyotis, Na Pali beach	Hedyotis st.-johnii	E	2.5	0.0	2.5	0.0	2.50
360	Hesperomannia arborescens (=Sci name)	Hesperomannia arborescens	E	14.5	15.5	30.0	0.6	30.60
548	Hesperomannia arbuscula (=Sci name)	Hesperomannia arbuscula	E	14.5	0.0	14.5	0.6	15.10
897	Hesperomannia lydgatei (=Sci name)	Hesperomannia lydgatei	E	3.5	0.0	3.5	0.0	3.50
948	Hibiscus, Clay's	Hibiscus clayi	E	3.0	0.0	3.0	0.0	3.00

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RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	FWS TOTAL	OTHER FED	FED TOTAL	STATES TOTAL	SPECIES TOTAL (\$000)
830	Higuero de Sierra	Crescentia portoricensis	E	5.0	0.0	5.0	0.0	5.00
897	Holei	Ochrosia kilauaeaensis	E	3.5	0.0	3.5	0.0	3.50
1033	Holly, Cook's	Ilex cookii	E	2.0	0.0	2.0	0.0	2.00
135	Howellia, water	Howellia aquatilis	T	62.1	103.2	165.3	14.6	179.83
707	Hypericum, highlands scrub	Hypericum cumulicola	E	8.0	1.0	9.0	0.0	9.00
974	Ilex sintenisii (=Sci name)	Ilex sintenisii	E	2.0	0.8	2.8	0.0	2.80
897	Iliau, dwarf	Wilkesia hobbnyi	E	3.5	0.0	3.5	0.0	3.50
324	Indian paintbrush, San Clemente Island	Castilleja grisea	E	2.0	32.9	34.9	0.0	34.90
643	Ipomopsis, Holy Ghost	Ipomopsis sancti-spiritus	E	12.0	0.5	12.5	0.0	12.50
372	Iris, dwarf lake	Iris lacustris	T	22.0	1.4	23.4	6.0	29.40
1130	Irissette, white	Sisyrinchium dichotomum	E	0.3	0.0	0.3	0.0	0.30
860	Ischaemum, Hilo	Ischaemum byrone	E	2.5	1.0	3.5	0.6	4.10
757	Ivesia, Ash Meadows	Ivesia kingii var. eremica	T	7.0	0.0	7.0	0.0	7.00
1117	Jacquemontia, beach	Jacquemontia reclinata	E	0.5	0.0	0.5	0.0	0.50
252	Jewelflower, California	Caulanthus californicus	E	35.3	20.0	55.3	0.0	55.30
346	Jewelflower, Metcalf Canyon	Streptanthus albidus ssp. albidus	E	31.3	0.0	31.3	0.0	31.30
346	Jewelflower, Tiburon	Streptanthus niger	E	31.3	0.0	31.3	0.0	31.30
360	Joint-vetch, sensitive	Aeschynomene virginica	T	21.2	9.2	30.4	0.2	30.60
553	Kamakahala	Labordia cyrtandrae	E	14.0	0.0	14.0	0.8	14.80
860	Kamakahala	Labordia lydgatei	E	4.0	0.0	4.0	0.1	4.10
570	Kamakahala	Labordia tinifolia var. wahiawaensis	E	14.0	0.0	14.0	0.1	14.10
660	Kauai hau kuahiwi	Hibiscadelphus distans	E	6.5	0.0	6.5	5.5	12.00
545	Kauila	Colubrina oppositifolia	E	10.0	0.0	10.0	5.3	15.30
750	Kaulu	Pteralyxia kauaiensis	E	3.5	0.0	3.5	3.8	7.30
690	Kio`ele	Hedyotis coriacea	E	3.5	6.3	9.8	0.2	9.99
627	Kiponapona	Phyllostegia racemosa	E	13.0	0.0	13.0	0.2	13.20
773	Ko`oko`olau	Bidens micrantha ssp. kalealaha	E	2.5	0.0	2.5	4.4	6.90
983	Ko`oko`olau	Bidens wiebkei	E	2.5	0.0	2.5	0.0	2.50
948	Ko`oloa`ula	Abutilon menziesii	E	3.0	0.0	3.0	0.0	3.00
521	Koki`o (=hau-hele`ula or Hawaii tree cotton)	Kokia drynarioides	E	10.5	0.0	10.5	5.8	16.30
500	Koki`o, Cooke's	Kokia cookei	E	16.0	0.0	16.0	1.8	17.80
514	Koki`o, Kaula`i	Kokia kauaiensis	E	13.5	0.0	13.5	3.1	16.60
983	Koki`oke`oke`o	Hibiscus arnottianus ssp. immaculatus	E	2.5	0.0	2.5	0.0	2.50
605	Koki`oke`oke`o	Hibiscus waimeae ssp. hannerae	E	13.5	0.0	13.5	0.0	13.50
579	Kolea	Myrsine juddii	E	13.5	0.0	13.5	0.5	14.00
601	Kolea	Myrsine linearifolia	T	13.5	0.0	13.5	0.1	13.60
830	Kuahiwi, laukahi	Plantago hawaiensis	E	3.0	1.0	4.0	1.0	5.00
330	Kuahiwi, laukahi	Plantago princeps	E	15.0	18.8	33.8	0.2	34.00

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605	Kuawawaenuhu	Alsinidendron lychnooides	E	13.5	0.0	13.5	0.0	13.50
983	Kula, wahine noho	Isodendron pyriformium	E	2.5	0.0	2.5	0.0	2.50
327	Kulu`i	Nototrichium humile	E	12.5	21.8	34.3	0.1	34.42
319	Ladies'-tresses, Canelo Hills (=Madrean)	Spiranthes delitescens	E	1.0	34.8	35.8	0.0	35.80
213	Ladies'-tresses, Navasota	Spiranthes parksii	E	43.0	32.0	75.0	0.0	75.00
96	Ladies'-tresses, Ute	Spiranthes diluvialis	T	85.9	265.4	351.3	2.3	353.58
502	Lagu, Hyan	Serianthes nelsonii	E	17.5	0.0	17.5	0.0	17.50
1033	Larkspur, San Clemente Island	Delphinium variegatum ssp. kinkiense	E	2.0	0.0	2.0	0.0	2.00
634	Lau`ehu	Panicum niihauense	E	13.0	0.0	13.0	0.0	13.00
605	Laulihilihi (=Ma`oli`oli)	Schiedea stellarioides	E	13.5	0.0	13.5	0.0	13.50
165	Layia, beach	Layia carnosa	E	29.3	101.0	130.3	0.0	130.30
778	Lead-plant, Crenulate	Amorpha crenulata	E	6.5	0.0	6.5	0.0	6.50
948	Leather flower, Alabama	Clematis socialis	E	3.0	0.0	3.0	0.0	3.00
1138	Leather flower, Morefield's	Clematis morefieldii	E	0.0	0.0	0.0	0.0	-
865	Lepanthes eltoroensis (=Sci name)	Lepanthes eltoroensis	E	4.0	0.0	4.0	0.0	4.00
865	Leptocereus grantianus (=Sci name)	Leptocereus grantianus	E	4.0	0.0	4.0	0.0	4.00
1069	Lessingia, San Francisco	Lessingia germanorum (=L. g. var. germano)	E	1.3	0.0	1.3	0.0	1.30
510	Liliwai	Acaena exigua	E	3.5	13.3	16.8	0.1	16.85
464	Lily, Minnesota trout	Erythronium propullans	E	12.0	0.0	12.0	7.5	19.52
1069	Lily, Pitkin Marsh	Lilium pardalinum ssp. pitkinense	E	1.3	0.0	1.3	0.0	1.30
325	Lily, Western	Lilium occidentale	E	27.5	6.0	33.5	1.0	34.50
942	Lipochaeta venosa (=Sci name)	Lipochaeta venosa	E	3.0	0.0	3.0	0.2	3.15
1097	Liveforever, Santa Barbara Island	Dudleya traskiae	E	0.0	1.0	1.0	0.0	1.00
514	Lobelia gaudichaudii ssp. koolauensis, (=Lobelia gaudichaudii var. koolauensis)	Lobelia gaudichaudii var. koolauensis	E	13.5	2.6	16.1	0.5	16.60
568	Lobelia monostachya (=Sci. name)	Lobelia monostachya	E	14.0	0.0	14.0	0.2	14.20
340	Lobelia niihauensis (=Sci name)	Lobelia niihauensis	E	15.5	14.3	29.8	2.7	32.50
370	Lobelia oahuensis (=Sci name)	Lobelia oahuensis	E	14.5	14.3	28.8	0.8	29.60
570	Locoweed, Fassett's	Oxytropis campestris var. chartacea	T	8.0	5.1	13.1	1.0	14.10
175	Lomatium, Bradshaw's	Lomatium bradshawii	E	14.0	99.6	113.6	8.0	121.60
163	Loosestrife, rough-leaved	Lysimachia asperulaefolia	E	16.8	115.8	132.6	0.0	132.60
727	Loulu	Pritchardia affinis	E	3.0	1.0	4.0	4.4	8.40
642	Loulu	Pritchardia kaalae	E	12.5	0.0	12.5	0.1	12.60
939	Loulu	Pritchardia munroi	E	3.0	0.0	3.0	0.3	3.25
629	Loulu	Pritchardia napaliensis	E	12.5	0.0	12.5	0.6	13.10
595	Loulu	Pritchardia schattaueri	E	13.5	0.0	13.5	0.2	13.70
545	Loulu	Pritchardia viscosa	E	14.0	0.0	14.0	1.3	15.30
748	Lousewort, Furbish	Pedicularis furbishiae	E	5.0	0.6	5.6	1.9	7.50
631	Love grass, Fosberg's	Eragrostis fosbergii	E	13.0	0.0	13.0	0.1	13.05

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460	Lupine, clover	Lupinus tidestromii	E	18.8	1.0	19.8	0.0	19.80
850	Lupine, scrub	Lupinus aridorum	E	4.5	0.0	4.5	0.0	4.50
830	Lyonia truncata var. proctorii (=Sci name)	Lyonia truncata var. proctorii	E	5.0	0.0	5.0	0.0	5.00
897	Lysimachia filifolia (=Sci name)	Lysimachia filifolia	E	3.5	0.0	3.5	0.0	3.50
983	Lysimachia lydgatei (=Sci name)	Lysimachia lydgatei	E	2.5	0.0	2.5	0.0	2.50
507	Lysimachia maxima (=ternifolia) (=Sci. nar	Lysimachia maxima (=tenrnifolia)	E	17.0	0.0	17.0	0.1	17.10
337	Ma`ohau hele (=biscus, native yellow)	Hibiscus brackenridgei	E	18.0	6.6	24.6	8.2	32.80
622	Ma`aloa, Big Island	Neraudia ovata	E	13.0	0.0	13.0	0.4	13.40
983	Ma`oli`oli	Schiedea apokremnos	E	2.5	0.0	2.5	0.0	2.50
558	Ma`oli`oli	Schiedea kealiae	E	14.5	0.0	14.5	0.0	14.50
757	Mahoe	Alectryon macrococcus	E	4.0	0.0	4.0	3.0	7.00
865	Makou	Peucedanum sandwicense	T	2.5	0.0	2.5	1.5	4.00
983	Malacothrix, island	Malacothrix squalida	E	2.0	0.5	2.5	0.0	2.50
237	Mallow, Kern	Eremalche kernensis	E	38.3	25.0	63.3	0.0	63.30
733	Mallow, Peter's Mountain	Iliamna corei	E	6.5	1.5	8.0	0.0	8.00
701	Malocothrix, Santa Cruz Island	Malacothrix indecora	E	2.0	7.4	9.4	0.0	9.40
1138	Manaca, palma de	Calyptronoma rivalis	T	0.0	0.0	0.0	0.0	-
797	Manioc, Walker's	Manihot walkerae	E	5.0	1.0	6.0	0.0	6.00
437	Manzanita, Del Mar (=Costa Baja, =Eastw	Arctostaphylos glandulosa ssp. crassifolia	E	2.0	20.4	22.4	0.0	22.40
465	Manzanita, Morro	Arctostaphylos morroensis	T	19.5	0.0	19.5	0.0	19.50
928	Manzanita, pallid	Arctostaphylos pallida	T	3.3	0.0	3.3	0.0	3.30
1069	Manzanita, Presido (=Raven's)	Arctostaphylos hookeri var. ravenii	E	1.3	0.0	1.3	0.0	1.30
757	Manzanita, Santa Rosa Island	Arctostaphylos confertiflora	E	2.0	5.0	7.0	0.0	7.00
605	Mapele	Cyrtandra cyaneoides	E	13.5	0.0	13.5	0.0	13.50
346	Mariposa lily, Tiburon	Calochortus tiburonensis	T	31.3	0.0	31.3	0.0	31.30
948	Mariscus fauriei (=Sci name)	Mariscus fauriei	E	3.0	0.0	3.0	0.0	3.00
553	Mariscus pennatiformis (=Sci name)	Mariscus pennatiformis	E	14.5	0.0	14.5	0.3	14.80
1069	Meadowfoam, Butte County	Limnanthes floccosa ssp. californica	E	1.3	0.0	1.3	0.0	1.30
1069	Meadowfoam, Sebastopol	Limnanthes vinculans	E	1.3	0.0	1.3	0.0	1.30
418	Meadowrue, Cooley's	Thalictrum cooleyi	E	24.7	0.0	24.7	0.0	24.70
359	Mehamehame	Flueggea neowawraea	E	16.0	14.3	30.3	0.5	30.80
204	Mesa-mint, Otay	Pogogyne nudiuscula	E	84.0	0.0	84.0	0.0	84.00
211	Mesa-mint, San Diego	Pogogyne abramsii	E	53.0	24.3	77.3	0.0	77.30
778	Milkpea, Small's	Galactia smallii	E	6.5	0.0	6.5	0.0	6.50
218	Milk-vetch, Applegate's	Astragalus applegatei	E	52.0	0.0	52.0	20.0	72.00
757	Milk-vetch, Ash meadows	Astragalus phoenix	T	7.0	0.0	7.0	0.0	7.00
450	Milk-vetch, Braunton's	Astragalus brauntonii	E	19.5	1.0	20.5	0.0	20.50
1069	Milk-vetch, Clara Hunt's	Astragalus clarianus	E	1.3	0.0	1.3	0.0	1.30

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1033	Milk-vetch, coastal dunes	<i>Astragalus tener</i> var. <i>titi</i>	E	2.0	0.0	2.0	0.0	2.00
1029	Milk-vetch, Cushenbury	<i>Astragalus albens</i>	E	2.0	0.0	2.0	0.0	2.05
707	Milk-vetch, heliotrope	<i>Astragalus montii</i>	T	8.0	0.8	8.8	0.2	9.00
409	Milk-vetch, Jesup's	<i>Astragalus robbinsii</i> var. <i>jesupi</i>	E	22.8	2.0	24.8	1.0	25.80
112	Milk-vetch, Mancos	<i>Astragalus humillimus</i>	E	0.2	275.3	275.5	0.0	275.50
701	Milk-vetch, Osterhout	<i>Astragalus osterhoutii</i>	E	0.3	9.1	9.4	0.0	9.40
683	Milk-vetch, Sentry	<i>Astragalus cremnophylax</i> var. <i>cremnophylax</i>	E	0.0	10.3	10.3	0.0	10.30
290	Milkweed, Mead's	<i>Asclepias meadii</i>	T	28.9	12.2	41.1	1.4	42.50
315	Milkweed, Welsh's	<i>Asclepias welshii</i>	T	0.4	35.8	36.2	0.2	36.40
897	Mint, Garrett's (=scrub, in part)	<i>Dicerandra christmanii</i>	E	3.5	0.0	3.5	0.0	3.50
1097	Mint, Lakela's	<i>Dicerandra immaculata</i>	E	1.0	0.0	1.0	0.0	1.00
1117	Mint, longspurred	<i>Dicerandra cornutissima</i>	E	0.5	0.0	0.5	0.0	0.50
897	Mint, scrub	<i>Dicerandra frutescens</i>	E	3.5	0.0	3.5	0.0	3.50
830	Mitracarpus maxwelliae (=Sci name)	<i>Mitracarpus maxwelliae</i>	E	5.0	0.0	5.0	0.0	5.00
830	Mitracarpus polycladus (=Sci name)	<i>Mitracarpus polycladus</i>	E	5.0	0.0	5.0	0.0	5.00
276	Monkey-flower, Michigan	<i>Mimulus glabratus</i> var. <i>michiganensis</i>	E	45.0	0.0	45.0	2.0	47.00
256	Monkshood, northern wild	<i>Aconitum noveboracense</i>	T	51.0	0.4	51.4	2.6	54.04
928	Morning-glory, Stebbins'	<i>Calystegia stebbinsii</i>	E	3.3	0.0	3.3	0.0	3.30
502	Mountain balm, Indian Knob	<i>Eriodictyon altissimum</i>	E	17.5	0.0	17.5	0.0	17.50
1033	Mountain-mahogany, Catalina Island	<i>Cercocarpus traskiae</i>	E	2.0	0.0	2.0	0.0	2.00
815	Munroidendron racemosum (=Sci name)	<i>Munroidendron racemosum</i>	E	2.5	0.0	2.5	3.1	5.60
897	Mustard, Carter's	<i>Warea carteri</i>	E	3.5	0.0	3.5	0.0	3.50
756	Mustard, Penland alpine fen	<i>Eutrema penlandii</i>	T	0.2	7.0	7.2	0.0	7.20
242	Mustard, slender-petaled	<i>Thelypodium stenopetalum</i>	E	53.0	6.7	59.7	0.0	59.70
948	Myrcia paganii (=Sci name)	<i>Myrcia paganii</i>	E	3.0	0.0	3.0	0.0	3.00
392	Na'ena'e	<i>Dubautia herbstobatae</i>	E	12.5	15.2	27.7	0.1	27.82
605	Nani wai'ale'ale	<i>Viola kauaiensis</i> var. <i>wahiawaensis</i>	E	13.5	0.0	13.5	0.0	13.50
344	Nanu	<i>Gardenia mannii</i>	E	15.5	15.5	31.0	0.5	31.50
977	Naupaka, dwarf	<i>Scaevola coriacea</i>	E	2.5	0.0	2.5	0.2	2.70
1069	Navarretia, few-flowered	<i>Navarretia leucocephala</i> ssp. <i>pauciflora</i>	E	1.3	0.0	1.3	0.0	1.30
928	Navarretia, many-flowered	<i>Navarretia leucocephala</i> ssp. <i>pliantha</i>	E	3.3	0.0	3.3	0.0	3.30
865	Negra, cobana	<i>Stahlia monosperma</i>	T	4.0	0.0	4.0	0.0	4.00
897	Nehe	<i>Lipochaeta fauriei</i>	E	3.5	0.0	3.5	0.0	3.50
983	Nehe	<i>Lipochaeta kamolensis</i>	E	2.5	0.0	2.5	0.0	2.50
643	Nehe	<i>Lipochaeta lobata</i> var. <i>leptophylla</i>	E	12.5	0.0	12.5	0.0	12.50
897	Nehe	<i>Lipochaeta micrantha</i>	E	3.5	0.0	3.5	0.0	3.50
593	Nehe	<i>Lipochaeta tenuifolia</i>	E	12.5	0.0	12.5	1.4	13.90
897	Nehe	<i>Lipochaeta waimeaensis</i>	E	3.5	0.0	3.5	0.0	3.50

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RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	FWS TOTAL	OTHER FED	FED TOTAL	STATES TOTAL	SPECIES TOTAL (\$000)
294	Neraudia angulata (=Sci name)	Neraudia angulata	E	12.5	29.5	42.0	0.0	42.02
643	Neraudia sericea (=Sci name)	Neraudia sericea	E	12.5	0.0	12.5	0.0	12.50
427	Nioi	Eugenia koolauensis	E	13.5	8.4	21.9	2.1	24.00
707	Niterwort, Amargosa	Nitrophila mohavensis	E	9.0	0.0	9.0	0.0	9.00
983	Nohoanu	Geranium multiflorum	E	2.5	0.0	2.5	0.0	2.50
1138	Oak, Hinckley	Quercus hinckleyi	T	0.0	0.0	0.0	0.0	-
547	Opuhe	Urera kaalae	E	12.5	2.6	15.1	0.1	15.20
147	Orchid, eastern prairie fringed	Platanthera leucophaea	T	139.2	9.1	148.3	7.0	155.24
121	Orchid, western prairie fringed	Platanthera praeclara	T	84.8	135.8	220.6	5.0	225.64
474	Orcutt grass, Greene's	Tuctoria greenei	E	18.3	1.0	19.3	0.0	19.30
487	Orcutt grass, hairy (=pilose)	Orcuttia pilosa	E	18.3	0.0	18.3	0.0	18.30
704	Orcutt grass, Sacramento	Orcuttia viscida	E	3.3	6.0	9.3	0.0	9.30
750	Orcutt grass, San Joaquin	Orcuttia inaequalis	T	6.3	1.0	7.3	0.0	7.30
308	Orcutt grass, slender	Orcuttia tenuis	T	22.3	16.0	38.3	0.0	38.30
750	Owl's-clover, fleshy	Castilleja campestris ssp. succulenta	T	6.3	1.0	7.3	0.0	7.30
1029	Oxytheca, cushenbury	Oxytheca parishii var. goodmaniana	E	2.0	0.0	2.0	0.0	2.05
1138	Paintbrush, ash-grey	Castilleja cinerea	T	0.0	0.0	0.0	0.0	-
297	Paintbrush, golden	Castilleja levisecta	T	24.0	15.7	39.7	1.9	41.51
570	Paintbrush, soft-leaved	Castilleja mollis	E	6.0	8.1	14.1	0.0	14.10
333	Paintbrush, Tiburon	Castilleja affinis ssp. neglecta	E	33.3	0.0	33.3	0.0	33.30
887	Palo colorado	Ternstroemia luquillensis	E	3.0	0.8	3.8	0.0	3.80
854	Palo de jazmin	Styrax portoricensis	E	3.0	1.4	4.4	0.0	4.40
865	Palo de Nigua	Cornutia obovata	E	4.0	0.0	4.0	0.0	4.00
948	Palo de Ramon	Banara vanderbiltii	E	3.0	0.0	3.0	0.0	3.00
978	Pamakani	Tetramolopium capillare	E	2.5	0.0	2.5	0.1	2.60
643	Pamakani	Viola chamissoniana ssp. chamissoniana	E	12.5	0.0	12.5	0.0	12.50
897	Panicgrass, Carter's	Panicum fauriei var. carteri	E	3.5	0.0	3.5	0.0	3.50
983	Pau'ala	Brighamia rockii	E	2.5	0.0	2.5	0.0	2.50
1117	Pawpaw, beautiful	Deeringothamnus pulchellus	E	0.5	0.0	0.5	0.0	0.50
778	Pawpaw, four-petal	Asimina tetramera	E	0.5	6.0	6.5	0.0	6.50
897	Pawpaw, Rugel's	Deeringothamnus rugelii	E	3.5	0.0	3.5	0.0	3.50
830	Pelos del diablo	Aristida portoricensis	E	5.0	0.0	5.0	0.0	5.00
527	Pennyroyal, Todsen's	Hedeoma todsenii	E	12.0	4.0	16.0	0.0	16.00
212	Penstemon, blowout	Penstemon haydenii	E	0.0	10.9	10.9	64.6	75.50
433	Pentachaeta, Lyon's	Pentachaeta lyonii	E	23.5	0.0	23.5	0.0	23.50
346	Pentachaeta, white-rayed	Pentachaeta bellidiflora	E	31.3	0.0	31.3	0.0	31.30
865	Peperomia, Wheeler's	Peperomia wheeleri	E	4.0	0.0	4.0	0.0	4.00
927	Phacelia, clay	Phacelia argillifera	E	1.0	2.2	3.2	0.2	3.40

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701	Phacelia, island	Phacelia insularis var. insularis	E	2.0	7.4	9.4	0.0	9.40
730	Phacelia, North Park	Phacelia formosula	E	0.1	8.0	8.1	0.0	8.10
476	Phlox, Texas trailing	Phlox nivalis ssp. texensis	E	19.0	0.0	19.0	0.0	19.00
948	Phyllostegia glabra var. lanaiensis (=Sci na	Phyllostegia glabra var. lanaiensis	E	3.0	0.0	3.0	0.0	3.00
442	Phyllostegia hirsuta (=Sci. name)	Phyllostegia hirsuta	E	13.5	7.1	20.6	1.1	21.70
525	Phyllostegia kaalaensis (=Sci. name)	Phyllostegia kaalaensis	E	13.5	2.6	16.1	0.0	16.10
544	Phyllostegia knudsenii , (=Sci. name)	Phyllostegia knudsenii	E	14.0	0.0	14.0	1.4	15.40
948	Phyllostegia mannii (=Sci name)	Phyllostegia mannii	E	3.0	0.0	3.0	0.0	3.00
548	Phyllostegia mollis (=Sci name)	Phyllostegia mollis	E	12.5	2.6	15.1	0.0	15.10
525	Phyllostegia parviflora (=Sci. name)	Phyllostegia parviflora	E	15.5	0.0	15.5	0.6	16.10
598	Phyllostegia velutina (=Sci. name)	Phyllostegia velutina	E	13.5	0.0	13.5	0.2	13.65
865	Phyllostegia waimeae (=Sci name)	Phyllostegia waimeae	E	4.0	0.0	4.0	0.0	4.00
598	Phyllostegia warshaueri (=Sci. name)	Phyllostegia warshaueri	E	13.5	0.0	13.5	0.2	13.65
605	Phyllostegia wawrana , (=Sci. name)	Phyllostegia wawrana	E	13.5	0.0	13.5	0.0	13.50
974	Pilo	Hedyotis mannii	E	2.5	0.0	2.5	0.3	2.80
512	Pink, swamp	Helonias bullata	T	6.1	7.1	13.2	3.5	16.75
450	Pinkroot, gentian	Spigelia gentianoides	E	20.5	0.0	20.5	0.0	20.50
973	Piperia, Yadon's	Piperia yadonii	E	2.0	0.9	2.9	0.0	2.90
797	Pitaya, Davis' green	Echinocereus viridiflorus var. davisii	E	5.0	0.0	5.0	1.0	6.00
680	Pitcher-plant, Alabama canebrake	Sarracenia rubra ssp. alabamensis	E	10.5	0.0	10.5	0.0	10.50
193	Pitcher-plant, green	Sarracenia oreophila	E	72.5	26.4	98.9	0.5	99.35
432	Pitcher-plant, mountain sweet	Sarracenia rubra ssp. jonesii	E	18.1	1.0	19.1	4.5	23.60
595	Platanthera holochila (=Sci. name)	Platanthera holochila	E	13.5	0.0	13.5	0.2	13.70
797	Plum, scrub	Prunus geniculata	E	6.0	0.0	6.0	0.0	6.00
733	Po' e	Portulaca sclerocarpa	E	3.0	5.0	8.0	0.0	8.00
865	Poa siphonoglossa (=Sci name)	Poa siphonoglossa	E	3.5	0.0	3.5	0.5	4.00
198	Pogonia, small whorled	Isotria medeoloides	T	11.0	81.6	92.6	2.2	94.74
1061	Polygala, Lewton's	Polygala lewtonii	E	0.5	1.0	1.5	0.0	1.50
778	Polygala, tiny	Polygala smallii	E	6.5	0.0	6.5	0.0	6.50
260	Pondberry	Lindera melissifolia	E	10.2	32.1	42.3	10.8	53.13
1138	Pondweed, Little Aguja Creek	Potamogeton clystocarpus	E	0.0	0.0	0.0	0.0	-
570	Popolo, ku mai (=Popolo, thorny)	Solanum incompletum	E	14.0	0.0	14.0	0.1	14.10
289	Poppy, Sacramento prickly	Argemone pleiacantha ssp. pinnatisecta	E	6.0	36.6	42.6	0.0	42.60
860	Poppy-mallow, Texas	Callirhoe scabruscula	E	4.0	0.1	4.1	0.0	4.10
286	Potato-bean, Price's	Apios priceana	T	8.3	34.9	43.2	0.0	43.20
1033	Potentilla, Hickman's	Potentilla hickmanii	E	2.0	0.0	2.0	0.0	2.00
830	Prairie-clover, leafy	Dalea foliosa	E	0.5	4.5	5.0	0.0	5.00
1117	Prickly-apple, fragrant	Cereus eriophorus var. fragrans	E	0.5	0.0	0.5	0.0	0.50

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1138	Prickly-ash, St. Thomas	Zanthoxylum thomsonianum	E	0.0	0.0	0.0	0.0	-
794	Primrose, Maguire	Primula maguirei	T	0.8	5.1	5.9	0.2	6.10
983	Pritchardia remota (=Sci name)	Pritchardia remota	E	2.5	0.0	2.5	0.0	2.50
556	Pu'uka`a	Cyperus trachysanthos	E	14.5	0.0	14.5	0.1	14.60
1054	Pussypaws, Mariposa	Calyptidium pulchellum	T	1.3	0.6	1.9	0.0	1.90
941	Rattleweed, hairy	Baptisia arachnifera	E	1.5	0.0	1.5	1.7	3.17
1060	Reed-mustard, Barneby	Schoenocrambe barnebyi	E	0.4	1.0	1.4	0.2	1.60
1114	Reed-mustard, clay	Schoenocrambe argillacea	T	0.4	0.0	0.4	0.2	0.60
897	Remya kauaiensis (=Sci name)	Remya kauaiensis	E	3.5	0.0	3.5	0.0	3.50
897	Remya montgomeryi (=Sci name)	Remya montgomeryi	E	3.5	0.0	3.5	0.0	3.50
944	Remya, Maui	Remya mauiensis	E	3.0	0.0	3.0	0.1	3.10
450	Rhododendron, Chapman	Rhododendron chapmanii	E	20.5	0.0	20.5	0.0	20.50
1114	Ridge-cress (=pepper-cress), Barneby	Lepidium barnebyanum	E	0.4	0.0	0.4	0.2	0.60
1113	Rock-cress	Arabis perstellata	E	0.5	0.2	0.7	0.0	0.70
948	Rock-cress, Hoffmann's	Arabis hoffmannii	E	2.0	1.0	3.0	0.0	3.00
317	Rock-cress, McDonald's	Arabis mcdonaldiana	E	29.0	7.0	36.0	0.0	36.00
330	Rockcress, Santa Cruz Island	Sibara filifolia	E	2.0	32.0	34.0	0.0	34.00
744	Rock-cress, shale barren	Arabis serotina	E	5.5	2.2	7.7	0.2	7.90
487	Rollandia crispa (=Sci name)	Rollandia crispa	E	13.5	4.5	18.0	0.3	18.30
757	Rosa, palo de	Ottoschulzia rhodoxylon	E	7.0	0.0	7.0	0.0	7.00
778	Rosemary, Apalachicola	Conradina glabra	E	6.5	0.0	6.5	0.0	6.50
1114	Rosemary, Cumberland	Conradina verticillata	T	0.0	0.6	0.6	0.0	0.60
1138	Rosemary, Etonia	Conradina etonia	E	0.0	0.0	0.0	0.0	-
1138	Rosemary, short-leaved	Conradina brevifolia	E	0.0	0.0	0.0	0.0	-
643	Roseroot, Leedy's	Sedum integrifolium ssp. leedyi	T	12.0	0.0	12.0	0.5	12.50
21	Rush-pea, slender	Hoffmannseggia tenella	E	4000.0	0.5	4000.5	5.5	4,006.00
948	Rush-rose, island	Helianthemum greenei	T	2.0	1.0	3.0	0.0	3.00
983	Sandalwood, Lanai or `iliihi	Santalum freycinetianum var. lanaiense	E	2.5	0.0	2.5	0.0	2.50
424	Sandbur, agrimony or Kamanomano	Cenchrus agrimonoides	E	12.5	11.7	24.2	0.0	24.20
948	Sandlace	Polygonella myriophylla	E	3.0	0.0	3.0	0.0	3.00
357	Sand-verbena, large-fruited	Abronia macrocarpa	E	31.0	0.0	31.0	0.0	31.00
1138	Sandwort, Bear Valley	Arenaria ursina	T	0.0	0.0	0.0	0.0	-
1111	Sandwort, Cumberland	Arenaria cumberlandensis	E	0.2	0.6	0.8	0.0	0.80
266	Sandwort, Marsh	Arenaria paludicola	E	51.5	0.0	51.5	0.2	51.70
383	Sanicula mariversa (=Sci name)	Sanicula mariversa	E	12.5	15.2	27.7	0.6	28.32
343	Sanicula purpurea (=Sci. name)	Sanicula purpurea	E	13.5	17.8	31.3	0.5	31.75
983	Schiedea haleakalensis (=Sci name)	Schiedea haleakalensis	E	2.5	0.0	2.5	0.0	2.50
605	Schiedea helleri , (=Sci. name)	Schiedea helleri	E	13.5	0.0	13.5	0.0	13.50



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398	Schiedea hookeri (=Sci. name)	Schiedea hookeri	E	12.5	14.3	26.8	0.5	27.30
553	Schiedea kaalae (=Sci name)	Schiedea kaalae	E	14.5	0.0	14.5	0.3	14.80
634	Schiedea kauaiensis (=Sci. name)	Schiedea kauaiensis	E	13.0	0.0	13.0	0.0	13.00
983	Schiedea lydgatei (=Sci name)	Schiedea lydgatei	E	2.5	0.0	2.5	0.0	2.50
605	Schiedea membranacea , (=Sci. name)	Schiedea membranacea	E	13.5	0.0	13.5	0.0	13.50
411	Schiedea nuttallii (=Sci. name)	Schiedea nuttallii	E	13.5	11.7	25.2	0.1	25.30
643	Schiedea sarmentosa (=Sci. name)	Schiedea sarmentosa	E	12.5	0.0	12.5	0.0	12.50
983	Schiedea spergulina var. leiopoda (=Sci na	Schiedea spergulina var. leiopoda	E	2.5	0.0	2.5	0.0	2.50
983	Schiedea spergulina var. spergulina (=Sci i	Schiedea spergulina var. spergulina	T	2.5	0.0	2.5	0.0	2.50
983	Schiedea verticillata (=Sci name)	Schiedea verticillata	E	2.5	0.0	2.5	0.0	2.50
897	Schiedea, Diamond Head	Schiedea adamantis	E	3.5	0.0	3.5	0.0	3.50
830	Schoepfia arenaria (=Sci name)	Schoepfia arenaria	T	5.0	0.0	5.0	0.0	5.00
1033	Seablite, California	Suaeda californica	E	2.0	0.0	2.0	0.0	2.00
665	Sedge, Navajo	Carex specuicola	T	1.0	10.7	11.7	0.2	11.90
1069	Sedge, white	Carex albida	E	1.3	0.0	1.3	0.0	1.30
978	Silene alexandri (=Sci name)	Silene alexandri	E	2.5	0.0	2.5	0.1	2.60
476	Silene hawaiiensis (=Sci name)	Silene hawaiiensis	T	19.0	0.0	19.0	0.0	19.00
444	Silene lanceolata (=Sci name)	Silene lanceolata	E	3.0	18.0	21.0	0.3	21.24
568	Silene perlmantii (=Sci name)	Silene perlmantii	E	14.0	0.0	14.0	0.2	14.20
558	Silversword, `Ahinahina Mauna Kea	Argyroxiphium sandwicense ssp. sandwicen	E	6.5	0.0	6.5	8.0	14.50
983	Silversword, Haleakala (`ahinahina)	Argyroxiphium sandwicense ssp. macroceph	E	2.5	0.0	2.5	0.0	2.50
516	Silversword, Ka`u	Argyroxiphium kauense	E	6.5	10.0	16.5	0.0	16.50
850	Skullcap, Florida	Scutellaria floridana	T	4.5	0.0	4.5	0.0	4.50
484	Skullcap, large-flowered	Scutellaria montana	E	2.2	16.3	18.5	0.0	18.51
707	Snakeroot	Eryngium cuneifolium	E	8.0	1.0	9.0	0.0	9.00
1061	Snowbells, Texas	Styrax texana	E	1.0	0.5	1.5	0.0	1.50
408	Spermolepis hawaiiensis (=Sci name)	Spermolepis hawaiiensis	E	14.0	11.7	25.7	0.2	25.90
433	Spineflower, Ben Lomond	Chorizanthe pungens var. hartwegiana	E	23.5	0.0	23.5	0.0	23.50
495	Spineflower, Howell's	Chorizanthe howellii	E	18.0	0.0	18.0	0.0	18.00
797	Spineflower, Monterey	Chorizanthe pungens var. pungens	T	6.0	0.0	6.0	0.0	6.00
288	Spineflower, Orcutt's	Chorizanthe orcuttiana	E	2.0	40.7	42.7	0.0	42.70
433	Spineflower, Robust (incl. Scotts Valley)	Chorizanthe robusta (incl. vars. robusta & ha	E	23.5	0.0	23.5	0.0	23.50
188	Spineflower, slender-horned	Dodecahema leptoceras	E	4.0	101.4	105.4	0.0	105.40
460	Spineflower, Sonoma	Chorizanthe valida	E	18.8	1.0	19.8	0.0	19.80
501	Spiraea, Virginia	Spiraea virginiana	T	13.7	3.5	17.2	0.3	17.53
778	Spurge, deltoid	Chamaesyce deltoidea ssp. deltoidea	E	6.5	0.0	6.5	0.0	6.50
720	Spurge, Garber's	Chamaesyce garberi	T	6.5	2.2	8.7	0.0	8.70
487	Spurge, Hoover's	Chamaesyce hooveri	T	18.3	0.0	18.3	0.0	18.30

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RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	FWS TOTAL	OTHER FED	FED TOTAL	STATES TOTAL	SPECIES TOTAL (\$000)
983	Spurge, telephus	Euphorbia telephioides	T	2.5	0.0	2.5	0.0	2.50
699	Stenogyne angustifolia (=Sci name)	Stenogyne angustifolia	E	3.0	6.3	9.3	0.2	9.44
928	Stenogyne bifida (=Sci name)	Stenogyne bifida	E	3.0	0.0	3.0	0.3	3.30
865	Stenogyne campanulata (=Sci name)	Stenogyne campanulata	E	4.0	0.0	4.0	0.0	4.00
631	Stenogyne kanehoana (=Sci name)	Stenogyne kanehoana	E	13.0	0.0	13.0	0.1	13.05
1069	Stonecrop, Lake County	Parvisedum leiocarpum	E	1.3	0.0	1.3	0.0	1.30
145	Sumac, Michaux's	Rhus michauxii	E	24.2	131.3	155.5	1.2	156.67
1069	Sunburst, Hartweg's golden	Pseudobahia bahiifolia	E	1.3	0.0	1.3	0.0	1.30
1069	Sunburst, San Joaquin adobe	Pseudobahia peirsonii	T	1.3	0.0	1.3	0.0	1.30
85	Sunflower, Eggert's	Helianthus eggertii	T	9.0	443.7	452.7	0.0	452.70
346	Sunflower, San Mateo woolly	Eriophyllum latilobum	E	31.3	0.0	31.3	0.0	31.30
551	Sunflower, Schweinitz's	Helianthus schweinitzii	E	9.2	1.3	10.5	4.5	15.04
757	Sunray, Ash Meadows	Enceliopsis nudicaulis var. corrugata	T	7.0	0.0	7.0	0.0	7.00
821	Sunshine, Sonoma (=Stickyseed, Baker's)	Blennosperma bakeri	E	5.3	0.0	5.3	0.0	5.30
1059	Taraxacum, California	Taraxacum californicum	E	0.0	1.7	1.7	0.0	1.70
865	Ternstroemia sessilis (=Sci name)	Ternstroemia sessilis	E	4.0	0.0	4.0	0.0	4.00
942	Tetramolopium arenarium (=Sci name)	Tetramolopium arenarium	E	3.0	0.0	3.0	0.2	3.15
394	Tetramolopium filiforme (=Sci name)	Tetramolopium filiforme	E	12.5	15.2	27.7	0.0	27.72
438	Tetramolopium lepidotum ssp. lepidotum (=Sci name)	Tetramolopium lepidotum ssp. lepidotum	E	13.5	8.9	22.4	0.0	22.39
948	Tetramolopium remyi (=Sci name)	Tetramolopium remyi	E	3.0	0.0	3.0	0.0	3.00
983	Tetramolopium rockii (=Sci name)	Tetramolopium rockii	T	2.5	0.0	2.5	0.0	2.50
303	Thistle, Chorro Creek	Cirsium fontinale var. obispoense	E	19.5	20.0	39.5	0.0	39.50
346	Thistle, fountain	Cirsium fontinale var. fontinale	E	31.3	0.0	31.3	0.0	31.30
1069	Thistle, Loch Lomond coyote	Eryngium constancei	E	1.3	0.0	1.3	0.0	1.30
298	Thistle, Pitcher's	Cirsium pitcheri	T	27.0	9.0	36.0	5.0	41.00
448	Thistle, Sacramento Mountains	Cirsium vinaceum	T	6.0	14.6	20.6	0.0	20.60
1023	Thistle, Suisun	Cirsium hydrophilum var. hydrophilum	E	1.3	1.0	2.3	0.0	2.30
357	Thornmint, San Mateo	Acanthomintha obovata ssp. duttonii	E	31.0	0.0	31.0	0.0	31.00
694	Townsendia, Last Chance	Townsendia aprica	T	0.4	9.0	9.4	0.2	9.60
797	Tree, pygmy fringe	Chionanthus pygmaeus	E	6.0	0.0	6.0	0.0	6.00
605	Trematolobelia singularis (=Sci. name)	Trematolobelia singularis	E	13.5	0.0	13.5	0.0	13.50
821	Trillium, persistent	Trillium persistens	E	1.6	1.2	2.8	2.5	5.30
296	Trillium, relict	Trillium reliquum	E	34.6	6.0	40.6	1.3	41.85
788	Twinpod, Dudley Bluffs	Physaria obcordata	T	0.4	6.0	6.4	0.0	6.40
439	Uhiuhi	Caesalpinia kavaiense	E	13.0	0.0	13.0	8.9	21.90
846	Uvillo	Eugenia haematocarpa	E	4.0	0.8	4.8	0.0	4.80
757	Vernonia proctorii (=Sci name)	Vernonia proctorii	E	7.0	0.0	7.0	0.0	7.00
1069	Vervain, Red Hills	Verbena californica	T	1.3	0.0	1.3	0.0	1.30

**TABLE 1. FY 1998 REPORTED EXPENDITURES (\$000) FOR ENDANGERED AND THREATENED SPECIES, NOT INCLUDING LAND ACQUISITION COSTS**

RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	FWS TOTAL	OTHER FED	FED TOTAL	STATES TOTAL	SPECIES TOTAL (\$000)
720	Vetch, Hawaiian	<i>Vicia menziesii</i>	E	7.0	0.0	7.0	1.7	8.70
570	<i>Vigna o-wahuensis</i> (=Sci name)	<i>Vigna o-wahuensis</i>	E	14.0	0.0	14.0	0.1	14.10
894	<i>Viola helenae</i> (=Sci name)	<i>Viola helenae</i>	E	3.5	0.0	3.5	0.1	3.60
746	<i>Viola lanaiensis</i> (=Sci name)	<i>Viola lanaiensis</i>	E	7.5	0.0	7.5	0.0	7.50
448	<i>Viola oahuensis</i> (=Sci. Name)	<i>Viola oahuensis</i>	E	13.5	7.1	20.6	0.0	20.60
948	Wahane (=Hawane or loulu)	<i>Pritchardia aylmer-robinsonii</i>	E	3.0	0.0	3.0	0.0	3.00
465	Wallflower, Ben Lomond	<i>Erysimum teretifolium</i>	E	19.5	0.0	19.5	0.0	19.50
821	Wallflower, Contra Costa	<i>Erysimum capitatum</i> var. <i>angustatum</i>	E	5.3	0.0	5.3	0.0	5.30
169	Wallflower, Menzies'	<i>Erysimum menziesii</i>	E	26.0	100.0	126.0	0.0	126.00
1138	Walnut, West Indian or nogal	<i>Juglans jamaicensis</i>	E	0.0	0.0	0.0	0.0	-
696	Warea, wide-leaf	<i>Warea amplexifolia</i>	E	9.5	0.0	9.5	0.0	9.50
290	Watercress, Gambel's	<i>Rorippa gambellii</i>	E	42.5	0.0	42.5	0.0	42.50
1033	Water-plantain, Kral's	<i>Sagittaria secundifolia</i>	T	1.5	0.5	2.0	0.0	2.00
395	Water-umbel, Huachuca	<i>Lilaeopsis schaffneriana</i> ssp. <i>recurva</i>	E	14.0	13.6	27.6	0.0	27.60
1068	Water-willow, Cooley's	<i>Justicia cooleyi</i>	E	0.5	0.8	1.3	0.0	1.32
673	Whitlow-wort, papery	<i>Paronychia chartacea</i>	T	11.0	0.0	11.0	0.0	11.00
789	Wild-buckwheat, clay-loving	<i>Eriogonum pelinophilum</i>	E	0.3	6.0	6.3	0.0	6.30
1097	Wild-buckwheat, gypsum	<i>Eriogonum gypsophilum</i>	T	1.0	0.0	1.0	0.0	1.00
1138	Wild-buckwheat, southern mountain	<i>Eriogonum kennedyi</i> var. <i>austromontanum</i>	T	0.0	0.0	0.0	0.0	-
313	Wild-rice, Texas	<i>Zizania texana</i>	E	27.0	9.5	36.5	0.0	36.50
1117	Wings, Pigeon	<i>Clitoria fragrans</i>	T	0.5	0.0	0.5	0.0	0.50
733	Wire-lettuce, Malheur	<i>Stephanomeria malheurenensis</i>	E	5.5	2.5	8.0	0.0	8.00
733	Wireweed	<i>Polygonella basiramia</i>	E	8.0	0.0	8.0	0.0	8.00
330	Woodland-star, San Clemente Island	<i>Lithophragma maximum</i>	E	2.0	32.0	34.0	0.0	34.00
280	Woolly-star, Hoover's	<i>Eriastrum hooveri</i>	T	35.3	10.0	45.3	0.0	45.30
192	Woolly-star, Santa Ana River	<i>Eriastrum densifolium</i> ssp. <i>sanctorum</i>	E	2.0	100.0	102.0	0.0	102.00
300	Wooly-threads, San Joaquin	<i>Lembertia congdonii</i>	E	35.3	5.0	40.3	0.0	40.30
865	<i>Xylosma crenatum</i> (=Sci name)	<i>Xylosma crenatum</i>	E	4.0	0.0	4.0	0.0	4.00
897	Ziziphus, florida	<i>Ziziphus celata</i>	E	3.5	0.0	3.5	0.0	3.50
	<b>CONIFERS</b>							
1033	Cypress, Gowen	<i>Cupressus goveniana</i> ssp. <i>goveniana</i>	T	2.0	0.0	2.0	0.0	2.00
465	Cypress, Santa Cruz	<i>Cupressus abramsiana</i>	E	19.5	0.0	19.5	0.0	19.50
685	Torreya, Florida	<i>Torreya taxifolia</i>	E	10.0	0.0	10.0	0.2	10.20
	<b>FERNS AND ALLIES</b>							
1138	<i>Adiantum vivesii</i> (=Sci name)	<i>Adiantum vivesii</i>	E	0.0	0.0	0.0	0.0	-
643	<i>Asplenium fragile</i> var. <i>insulare</i> (=Sci name)	<i>Asplenium fragile</i> var. <i>insulare</i>	E	12.5	0.0	12.5	0.0	12.50

**TABLE 1. FY 1998 REPORTED EXPENDITURES (\$000) FOR ENDANGERED AND THREATENED SPECIES, NOT INCLUDING LAND ACQUISITION COSTS**

RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	FWS TOTAL	OTHER FED	FED TOTAL	STATES TOTAL	SPECIES TOTAL (\$000)
508	Diellia , asplenium-leaved	Diellia erecta	E	17.0	0.0	17.0	0.0	17.03
402	Diellia falcata (=Sci name)	Diellia falcata	E	12.5	14.3	26.8	0.0	26.80
855	Diellia pallida (=laciniata) (=Sci name)	Diellia pallida (=laciniata)	E	3.5	0.0	3.5	0.8	4.30
643	Diellia unisora (=Sci name)	Diellia unisora	E	12.5	0.0	12.5	0.0	12.50
556	Diplazium molokaiense (=Sci name)	Diplazium molokaiense	E	14.5	0.0	14.5	0.1	14.60
983	Elaphoglossum serpens (=Sci name)	Elaphoglossum serpens	E	2.5	0.0	2.5	0.0	2.50
1027	Fern, Alabama streak-sorus	Thelypteris pilosa var. alabamensis	T	0.0	2.2	2.2	0.0	2.20
1138	Fern, Aleutian shield	Polystichum aleuticum	E	0.0	0.0	0.0	0.0	-
686	Fern, American hart's-tongue	Asplenium scolopendrium var. americanum	T	7.0	0.0	7.0	3.0	10.04
1138	Fern, Elfin tree	Cyathea dryopteroides	E	0.0	0.0	0.0	0.0	-
579	Fern, pendant kihi	Adenophorus periens	E	14.0	0.0	14.0	0.0	14.00
897	Ihi`ihi	Marsilea villosa	E	3.5	0.0	3.5	0.0	3.50
413	Pauoa	Ctenitis squamigera	E	13.5	11.7	25.2	0.0	25.20
983	Polystichum calderonense (=Sci name)	Polystichum calderonense	E	2.5	0.0	2.5	0.0	2.50
445	Pteris lidgatei (=Sci name)	Pteris lidgatei	E	13.5	7.1	20.6	0.5	21.10
1061	Quillwort, black spored	Isoetes melanospora	E	0.5	1.0	1.5	0.0	1.50
322	Quillwort, Louisiana	Isoetes louisianensis	E	21.1	14.1	35.2	0.0	35.23
983	Quillwort, mat-forming	Isoetes tegetiformans	E	1.5	1.0	2.5	0.0	2.50
897	Tectaria estremerana (=Sci name)	Tectaria estremerana	E	3.5	0.0	3.5	0.0	3.50
983	Thelypteris inabonensis (=Sci name)	Thelypteris inabonensis	E	2.5	0.0	2.5	0.0	2.50
983	Thelypteris verecunda (=Sci name)	Thelypteris verecunda	E	2.5	0.0	2.5	0.0	2.50
983	Thelypteris yaucoensis (=Sci name)	Thelypteris yaucoensis	E	2.5	0.0	2.5	0.0	2.50
527	Wawa`iole	Lycopodium nutans	E	16.0	0.0	16.0	0.0	16.00
724	Wawae`iole	Huperzia mannii	E	4.0	4.5	8.5	0.0	8.50
	<b>LICHENS</b>							
707	Cladonia, Florida perforate	Cladonia perforata	E	3.0	6.0	9.0	0.0	9.00
657	Lichen, rock gnome	Gymnoderma lineare	E	0.6	11.6	12.2	0.0	12.20
	<b>PLANTS subtotals</b>	<b># of species:</b>	<b>686</b>	<b>10,609.00</b>	<b>5,411.75</b>	<b>16,020.75</b>	<b>438.91</b>	<b>16,459.66</b>
	<b>TOTALS</b>	<b># of species:</b>	<b>1,166</b>	<b>54,122.70</b>	<b>312,193.52</b>	<b>366,316.22</b>	<b>16,337.96</b>	<b>382,654.18</b>

Table 2. Species Ranked in Descending Order of Total Expenditures Reported

Species are arranged in descending rank order by total identifiable expenditures (Table 1). Cumulative totals and percentages of the grand total (\$382,654,177) are provided to assist the reader. None of these reported totals include known costs for land acquisition; see Table 3 for those costs reported to the Service.

For purposes of rank, the six vertebrate species that have both an endangered and a threatened population on the list are ranked as one species. The six are identifiable by the "E,T" in the STATUS column.

The cumulative total column is the sum of all higher ranked Species Totals (from Table 1) and the selected species entry; cumulative percent is based upon \$382,654,177. (Example: \$204,270.52 or 53.38% of all reported expenditures are for the top 10 species; see species Rank No. 10.)

**TABLE 2. SPECIES RANKED IN DESCENDING ORDER OF TOTAL FY 1998 REPORTED EXPENDITURES (\$000)**

RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	SPECIES TOTAL (\$000)	CUMULATIVE TOTAL	CUMULATIVE PERCENT
1	Salmon, coho	Oncorhynchus (=Salmo) kisutch	T	34,944.97	\$34,944.97	9.13%
2	Salmon, chinook, Snake R. spring/summer run	Oncorhynchus tshawytscha	T	29,036.67	\$63,981.64	16.72%
3	Salmon, chinook, Snake R. fall run	Oncorhynchus tshawytscha	T	27,045.34	\$91,026.98	23.79%
4	Salmon, sockeye (=red, =blueback), Snake R.	Oncorhynchus nerka	E	24,720.00	\$115,746.97	30.25%
5	Steelhead (Snake R. Basin)	Oncorhynchus (=Salmo) mykiss gilberti	T	22,549.22	\$138,296.19	36.14%
6	Steelhead (lower Columbia R.)	Oncorhynchus (=Salmo) mykiss gilberti	T	19,738.99	\$158,035.18	41.30%
7	Steelhead (southern CA coast)	Oncorhynchus (=Salmo) mykiss gilberti	E	18,201.86	\$176,237.04	46.06%
8	Woodpecker, red-cockaded	Picoides borealis	E	11,262.99	\$187,500.02	49.00%
9	Owl, northern spotted	Strix occidentalis caurina	T	9,510.03	\$197,010.06	51.49%
10	Flycatcher, southwestern willow	Empidonax traillii extimus	E	7,260.46	\$204,270.52	53.38%
11	Murrelet, marbled	Brachyramphus marmoratus marmoratus	T	7,090.35	\$211,360.86	55.24%
12	Sucker, razorback	Xyrauchen texanus	E	6,382.81	\$217,743.67	56.90%
13	Eagle, bald	Haliaeetus leucocephalus	T	5,999.43	\$223,743.11	58.47%
14	Trout, bull (Columbia R. pop.)	Salvelinus confluentus	T	5,590.16	\$229,333.27	59.93%
15	Bear, grizzly	Ursus arctos	T	5,009.31	\$234,342.58	61.24%
16	Tortoise, desert	Gopherus agassizii	T	4,903.29	\$239,245.87	62.52%
17	Panther, Florida	Felis concolor coryi	E	4,803.42	\$244,049.30	63.78%
18	Squawfish, Colorado	Ptychocheilus lucius	E	4,678.14	\$248,727.44	65.00%
19	Crane, whooping	Grus americana	E	4,589.12	\$253,316.56	66.20%
20	Wolf, gray	Canis lupus	E, T	4,454.25	\$257,770.81	67.36%
21	Rush-pea, slender	Hoffmannseggia tenella	E	4,006.00	\$261,776.81	68.41%
22	Sturgeon, white (Kootenai River pop.)	Acipenser transmontanus	E	3,589.47	\$265,366.28	69.35%
23	Sea-lion, Steller	Eumetopias jubatus	E, T	3,079.18	\$268,445.46	70.15%
24	Cui-ui	Chasmistes cujus	E	3,026.00	\$271,471.46	70.94%
25	Owl, Mexican spotted	Strix occidentalis lucida	T	2,955.85	\$274,427.31	71.72%
26	Falcon, American peregrine	Falco peregrinus anatum	E	2,759.09	\$277,186.39	72.44%
27	Sucker, Lost River	Deltistes luxatus	E	2,528.84	\$279,715.23	73.10%
28	Sucker, shortnose	Chasmistes brevirostris	E	2,524.71	\$282,239.95	73.76%
29	Trout, Umpqua River cutthroat	Oncorhynchus clarki clarki	E	2,429.52	\$284,669.47	74.39%
30	Plover, piping	Charadrius melodus	E, T	2,419.95	\$287,089.42	75.03%
31	Steelhead (upper Columbia R. Basin)	Oncorhynchus (=Salmo) mykiss gilberti	E	2,294.84	\$289,384.26	75.63%
32	Vireo, least Bell's	Vireo bellii pusillus	E	1,899.98	\$291,284.24	76.12%
33	Bat, Indiana	Myotis sodalis	E	1,854.12	\$293,138.36	76.61%
34	Gnatcatcher, coastal California	Poliopitila californica californica	T	1,812.50	\$294,950.86	77.08%

**TABLE 2. SPECIES RANKED IN DESCENDING ORDER OF TOTAL FY 1998 REPORTED EXPENDITURES (\$000)**

RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	SPECIES TOTAL (\$000)	CUMULATIVE TOTAL	CUMULATIVE PERCENT
35	Ferret, black-footed	<i>Mustela nigripes</i>	E	1,734.42	\$296,685.28	77.53%
36	Salmon, chinook, Sacramento R. winter run	<i>Oncorhynchus tshawytscha</i>	T	1,700.79	\$298,386.08	77.98%
37	Turtle, loggerhead sea	<i>Caretta caretta</i>	T	1,681.12	\$300,067.20	78.42%
38	Shrike, San Clemente loggerhead	<i>Lanius ludovicianus mearnsi</i>	E	1,657.34	\$301,724.53	78.85%
39	Manatee, West Indian (=Florida)	<i>Trichechus manatus</i>	E	1,564.68	\$303,289.22	79.26%
40	Seal, Hawaiian monk	<i>Monachus schauinslandi</i>	E	1,516.00	\$304,805.22	79.66%
41	Whale, right	<i>Balaena glacialis (incl. australis)</i>	E	1,459.65	\$306,264.87	80.04%
42	Chub, humpback	<i>Gila cypha</i>	E	1,430.04	\$307,694.91	80.41%
43	Turtle, green sea	<i>Chelonia mydas</i>	E, T	1,361.92	\$309,056.83	80.77%
44	Turtle, olive ridley sea	<i>Lepidochelys olivacea</i>	E, T	1,286.20	\$310,343.03	81.10%
45	Sucker, June	<i>Chasmistes liorus</i>	E	1,242.00	\$311,585.03	81.43%
46	Sturgeon, pallid	<i>Scaphirhynchus albus</i>	E	1,180.32	\$312,765.35	81.74%
47	Chub, bonytail	<i>Gila elegans</i>	E	1,177.94	\$313,943.29	82.04%
48	Mouse, Preble's meadow jumping	<i>Zapus hudsonius preblei</i>	T	1,174.06	\$315,117.35	82.35%
49	Parrot, Puerto Rican	<i>Amazona vittata</i>	E	1,163.80	\$316,281.15	82.65%
50	Vireo, black-capped	<i>Vireo atricapillus</i>	E	1,127.90	\$317,409.05	82.95%
51	Turtle, Kemp's ridley sea	<i>Lepidochelys kempii</i>	E	1,113.40	\$318,522.45	83.24%
52	Minnow, Rio Grande silvery	<i>Hybognathus amarus</i>	E	1,103.00	\$319,625.45	83.53%
53	Condor, California	<i>Gymnogyps californianus</i>	E	1,058.00	\$320,683.45	83.81%
54	Turtle, leatherback sea	<i>Dermochelys coriacea</i>	E	1,056.21	\$321,739.66	84.08%
55	Warbler, golden-cheeked	<i>Dendroica chrysoparia</i>	E	1,033.50	\$322,773.16	84.35%
56	Tern, California least	<i>Sterna antillarum browni</i>	E	982.04	\$323,755.19	84.61%
57	Topminnow, Gila (incl. Yaqui)	<i>Poeciliopsis occidentalis</i>	E	979.20	\$324,734.39	84.86%
58	Tern, least	<i>Sterna antillarum</i>	E	978.75	\$325,713.15	85.12%
59	Wolf, red	<i>Canis rufus</i>	E	978.50	\$326,691.65	85.38%
60	Turtle, hawksbill sea (=carey)	<i>Eretmochelys imbricata</i>	E	948.60	\$327,640.25	85.62%
61	Crane, Mississippi sandhill	<i>Grus canadensis pulla</i>	E	933.70	\$328,573.95	85.87%
62	Sparrow, Cape Sable seaside	<i>Ammodramus maritimus mirabilis</i>	E	873.90	\$329,447.85	86.10%
63	Toad, Arroyo southwestern	<i>Bufo microscaphus californicus</i>	E	872.90	\$330,320.75	86.32%
64	Bobwhite, masked (quail)	<i>Colinus virginianus ridgwayi</i>	E	811.60	\$331,132.35	86.54%
65	Fox, San Joaquin kit	<i>Vulpes macrotis mutica</i>	E	801.86	\$331,934.20	86.75%
66	Sturgeon, shortnose	<i>Acipenser brevirostrum</i>	E	791.64	\$332,725.84	86.95%
67	Gambusia, Pecos	<i>Gambusia nobilis</i>	E	775.50	\$333,501.34	87.15%
68	Pygmy-owl, cactus ferruginous	<i>Glaucidium brasilianum cactorum</i>	E	773.00	\$334,274.34	87.36%

**TABLE 2. SPECIES RANKED IN DESCENDING ORDER OF TOTAL FY 1998 REPORTED EXPENDITURES (\$000)**

RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	SPECIES TOTAL (\$000)	CUMULATIVE TOTAL	CUMULATIVE PERCENT
69	Darter, Okaloosa	Etheostoma okaloosae	E	767.00	\$335,041.34	87.56%
70	Plover, western snowy	Charadrius alexandrinus nivosus	T	758.55	\$335,799.89	87.76%
71	Butterfly, Karner blue	Lycaeides melissa samuelis	E	711.76	\$336,511.65	87.94%
72	Steelhead (Central Valley CA)	Oncorhynchus (=Salmo) mykiss gilberti	T	659.92	\$337,171.57	88.11%
73	Pronghorn, Sonoran	Antilocapra americana sonoriensis	E	625.30	\$337,796.87	88.28%
74	Frog, California red-legged	Rana aurora draytonii	T	601.62	\$338,398.49	88.43%
75	Warbler, Kirtland's	Dendroica kirtlandii	E	591.52	\$338,990.01	88.59%
76	Trout, Lahontan cutthroat	Oncorhynchus clarki henshawi	T	587.94	\$339,577.95	88.74%
77	Stork, wood	Mycteria americana	E	566.10	\$340,144.05	88.89%
78	Bat, gray	Myotis grisescens	E	541.20	\$340,685.25	89.03%
79	Duck, Hawaiian (=koloa)	Anas wyvilliana	E	535.56	\$341,220.81	89.17%
80	Steelhead (central CA coast)	Oncorhynchus (=Salmo) mykiss gilberti	T	520.06	\$341,740.87	89.31%
81	Jay, Florida scrub	Aphelocoma coerulescens coerulescens	T	512.09	\$342,252.96	89.44%
82	Otter, southern sea	Enhydra lutris nereis	T	495.00	\$342,747.96	89.57%
83	Falcon, northern aplomado	Falco femoralis septentrionalis	E	494.90	\$343,242.86	89.70%
84	Steelhead (south central CA coast)	Oncorhynchus (=Salmo) mykiss gilberti	T	482.36	\$343,725.21	89.83%
85	Sunflower, Eggert's	Helianthus eggertii	T	452.70	\$344,177.91	89.94%
86	Snake, giant garter	Thamnophis gigas	T	450.38	\$344,628.29	90.06%
87	Bear, Louisiana black	Ursus americanus luteolus	T	446.67	\$345,074.96	90.18%
88	Shiner, Pecos bluntnose	Notropis simus pecosensis	T	425.00	\$345,499.96	90.29%
89	Tortoise, gopher	Gopherus polyphemus	T	422.49	\$345,922.45	90.40%
90	Sturgeon, Gulf	Acipenser oxyrhynchus desotoi	T	412.86	\$346,335.31	90.51%
91	Chub, Virgin River	Gila robusta semidnuda	E	404.75	\$346,740.06	90.61%
92	Woundfin	Plagopterus argentissimus	E	395.95	\$347,136.01	90.72%
93	Fairy shrimp, vernal pool	Branchinecta lynchi	T	390.98	\$347,526.98	90.82%
94	Butterfly, Mitchell's satyr	Neonympha mitchellii mitchellii	E	381.50	\$347,908.48	90.92%
95	Whale, humpback	Megaptera novaeangliae	E	361.02	\$348,269.50	91.01%
96	Ladies'-tresses, Ute	Spiranthes diluvialis	T	353.58	\$348,623.08	91.11%
97	Rail, California clapper	Rallus longirostris obsoletus	E	350.85	\$348,973.93	91.20%
98	Caribou, woodland	Rangifer tarandus caribou	E	350.23	\$349,324.16	91.29%
99	Eider, spectacled	Somateria fischeri	T	346.45	\$349,670.61	91.38%
100	Prairie dog, Utah	Cynomys parvidens	T	326.27	\$349,996.87	91.47%
101	Prairie-chicken, Attwater's greater	Tympanuchus cupido attwateri	E	319.29	\$350,316.17	91.55%
102	Trout, greenback cutthroat	Oncorhynchus clarki stomias	T	309.17	\$350,625.33	91.63%



**TABLE 2. SPECIES RANKED IN DESCENDING ORDER OF TOTAL FY 1998 REPORTED EXPENDITURES (\$000)**

RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	SPECIES TOTAL (\$000)	CUMULATIVE TOTAL	CUMULATIVE PERCENT
103	Bat, lesser long-nosed	Leptonycteris curasoae yerbabuenae	E	305.00	\$350,930.33	91.71%
104	Eider, Steller's	Polysticta stelleri	T	304.45	\$351,234.78	91.79%
105	Pearlymussel, Higgins' eye	Lampsilis higginsii	E	301.61	\$351,536.39	91.87%
106	Rail, Guam	Rallus owstoni	E	290.50	\$351,826.89	91.94%
107	Goose, Aleutian Canada	Branta canadensis leucopareia	T	289.34	\$352,116.23	92.02%
108	Cactus, Mesa Verde	Sclerocactus mesae-verdae	T	288.80	\$352,405.03	92.09%
109	Snails, Oahu tree	Achatinella^ spp. (all species)	E	281.82	\$352,686.85	92.17%
110	Darter, Cherokee	Etheostoma (Ulocentra) sp.	T	281.25	\$352,968.10	92.24%
111	Toad, Wyoming	Bufo hemiophrys baxteri	E	277.99	\$353,246.09	92.31%
112	Milk-vetch, Mancos	Astragalus humillimus	E	275.50	\$353,521.59	92.39%
113	Tadpole shrimp, vernal pool	Lepidurus packardii	E	269.30	\$353,790.89	92.46%
114	Crow, Mariana	Corvus kubaryi	E	265.20	\$354,056.09	92.53%
115	Snail, Utah valvata	Valvata utahensis	E	261.16	\$354,317.25	92.59%
116	Kangaroo rat, San Bernardino Merriam's	Dipodomys merriami parvus	E	257.00	\$354,574.25	92.66%
117	Crow, Hawaiian (=alala)	Corvus hawaiiensis	E	249.00	\$354,823.25	92.73%
118	Deer, key	Odocoileus virginianus clavium	E	243.80	\$355,067.05	92.79%
119	Pearlymussel, white cat's paw	Epioblasma obliquata perobliqua	E	238.00	\$355,305.05	92.85%
120	Stilt, Hawaiian (=ae'o)	Himantopus mexicanus knudseni	E	235.80	\$355,540.85	92.91%
121	Orchid, western prairie fringed	Platanthera praeclara	T	225.64	\$355,766.49	92.97%
122	Spikedace	Meda fulgida	T	225.30	\$355,991.79	93.03%
123	Mouse, Pacific pocket	Perognathus longimembris pacificus	E	223.00	\$356,214.79	93.09%
124	Beetle, valley elderberry longhorn	Desmocerus californicus dimorphus	T	219.99	\$356,434.79	93.15%
125	Pupfish, Devils Hole	Cyprinodon diabolis	E	210.75	\$356,645.54	93.20%
126	Button-celery, San Diego	Eryngium aristulatum var. parishii	E	205.20	\$356,850.74	93.26%
127	Squirrel, Mount Graham red	Tamiasciurus hudsonicus grahamensis	E	196.10	\$357,046.84	93.31%
128	Checker-mallow, Nelson's	Sidalcea nelsoniana	T	192.18	\$357,239.01	93.36%
129	Minnow, loach	Rhinichthys cobitis	T	190.97	\$357,429.98	93.41%
130	Beetle, American burying (=giant carrion)	Nicrophorus americanus	E	189.61	\$357,619.59	93.46%
131	Rail, Yuma clapper	Rallus longirostris yumanensis	E	189.40	\$357,808.99	93.51%
132	Blackbird, yellow-shouldered	Agelaius xanthomus	E	185.26	\$357,994.25	93.56%
133	Mussel, dwarf wedge	Alasmidonta heterodon	E	181.54	\$358,175.78	93.60%
134	Fairy shrimp, San Diego	Branchinecta sandiegoensis	E	180.50	\$358,356.28	93.65%
135	Howellia, water	Howellia aquatilis	T	179.83	\$358,536.11	93.70%
136	Chub, Oregon	Oregonichthys crameri	E	178.14	\$358,714.25	93.74%

**TABLE 2. SPECIES RANKED IN DESCENDING ORDER OF TOTAL FY 1998 REPORTED EXPENDITURES (\$000)**

RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	SPECIES TOTAL (\$000)	CUMULATIVE TOTAL	CUMULATIVE PERCENT
137	Lizard, blunt-nosed leopard	Gambelia silus	E	174.20	\$358,888.45	93.79%
138	Snake, eastern indigo	Drymarchon corais couperi	T	173.99	\$359,062.44	93.83%
139	Ocelot	Felis pardalis	E	173.20	\$359,235.64	93.88%
140	Goose, Hawaiian (=nene)	Nesochen sandvicensis	E	170.18	\$359,405.83	93.92%
141	Tern, roseate	Sterna dougallii dougallii	E, T	165.23	\$359,571.05	93.97%
142	Dragonfly, Hine's (=Ohio) emerald	Somatochlora hineana	E	163.72	\$359,734.77	94.01%
143	Pupfish, desert	Cyprinodon macularius	E	163.49	\$359,898.26	94.05%
144	Po'ouli (honeycreeper)	Melamprosops phaeosoma	E	158.50	\$360,056.76	94.09%
145	Sumac, Michaux's	Rhus michauxii	E	156.67	\$360,213.43	94.14%
146	Mussel, winged mapleleaf	Quadrula fragosa	E	156.01	\$360,369.44	94.18%
147	Orchid, eastern prairie fringed	Platanthera leucophaea	T	155.24	\$360,524.68	94.22%
148	Kangaroo rat, Tipton	Dipodomys nitratoides nitratoides	E	153.30	\$360,677.98	94.26%
149	Kangaroo rat, giant	Dipodomys ingens	E	151.90	\$360,829.88	94.30%
150	Goby, tidewater	Eucyclogobius newberryi	E	150.00	\$360,979.88	94.34%
151	Squirrel, Delmarva Peninsula fox	Sciurus niger cinereus	E	148.22	\$361,128.11	94.37%
152	Trout, bull (Klamath R. pop.)	Salvelinus confluentus	T	147.93	\$361,276.04	94.41%
153	Trout, Gila	Oncorhynchus gilae	E	147.83	\$361,423.87	94.45%
154	Fairy shrimp, riverside	Streptocephalus woottoni	E	147.70	\$361,571.57	94.49%
155	Pelican, brown	Pelecanus occidentalis	E	147.57	\$361,719.14	94.53%
156	Smelt, delta	Hypomesus transpacificus	T	143.61	\$361,862.76	94.57%
157	Chaffseed, American	Schwalbea americana	E	143.28	\$362,006.03	94.60%
158	Cactus, Pima pineapple	Coryphantha scheeri var. robustispina	E	142.30	\$362,148.33	94.64%
159	Amaranth, seabeach	Amaranthus pumilus	T	139.08	\$362,287.41	94.68%
160	Stickleback, unarmored threespine	Gasterosteus aculeatus williamsoni	E	137.00	\$362,424.41	94.71%
161	Deer, Columbian white-tailed	Odocoileus virginianus leucurus	E	136.06	\$362,560.47	94.75%
162	Mouse, salt marsh harvest	Reithrodontomys raviventris	E	135.52	\$362,695.99	94.78%
163	Loosestrife, rough-leaved	Lysimachia asperulaefolia	E	132.60	\$362,828.59	94.82%
164	Rabbit, Lower Keys	Sylvilagus palustris hefneri	E	132.00	\$362,960.59	94.85%
165	Bird's beak, palmate-bracted	Cordylanthus palmatus	E	130.30	\$363,090.89	94.89%
165	Layia, beach	Layia carnosa	E	130.30	\$363,221.19	94.92%
167	`Ohai	Sesbania tomentosa	E	129.50	\$363,350.69	94.96%
168	Whale, gray	Eschrichtius robustus	E	128.25	\$363,478.94	94.99%
169	Wallflower, Menzies'	Erysimum menziesii	E	126.00	\$363,604.94	95.02%
170	Kangaroo rat, Stephens'	Dipodomys stephensi	E	124.90	\$363,729.84	95.05%

**TABLE 2. SPECIES RANKED IN DESCENDING ORDER OF TOTAL FY 1998 REPORTED EXPENDITURES (\$000)**

RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	SPECIES TOTAL (\$000)	CUMULATIVE TOTAL	CUMULATIVE PERCENT
171	Coot, Hawaiian (= `alae-ke`oke`o)	<i>Fulica americana alai</i>	E	124.80	\$363,854.64	95.09%
172	Spinedace, Little Colorado	<i>Lepidomeda vittata</i>	T	124.00	\$363,978.64	95.12%
173	Logperch, Roanoke	<i>Percina rex</i>	E	123.60	\$364,102.24	95.15%
174	Kangaroo rat, Fresno	<i>Dipodomys nitratooides exilis</i>	E	122.30	\$364,224.54	95.18%
175	Lomatium, Bradshaw's	<i>Lomatium bradshawii</i>	E	121.60	\$364,346.14	95.22%
176	Nukupu`u (honeycreeper)	<i>Hemignathus lucidus</i>	E	119.50	\$364,465.64	95.25%
177	Butterfly, Oregon silverspot	<i>Speyeria zerene hippolyta</i>	T	119.00	\$364,584.64	95.28%
178	Vole, Hualapai Mexican	<i>Microtus mexicanus hualpaiensis</i>	E	117.50	\$364,702.14	95.31%
179	Pearlymussel, pink mucket	<i>Lampsilis abrupta</i>	E	114.17	\$364,816.31	95.34%
180	Butterweed, Layne's	<i>Senecio layneae</i>	T	114.00	\$364,930.31	95.37%
181	Parrotbill, Maui (honeycreeper)	<i>Pseudonestor xanthophrys</i>	E	112.43	\$365,042.75	95.40%
182	Chub, Pahrnagat roundtail (=bonytail)	<i>Gila robusta jordani</i>	E	112.00	\$365,154.75	95.43%
183	Sparrow, Florida grasshopper	<i>Ammodramus savannarum floridanus</i>	E	111.33	\$365,266.08	95.46%
184	Turtle, bog (=Muhlenberg)	<i>Clemmys muhlenbergii</i>	T	111.04	\$365,377.12	95.48%
185	Mouse, Alabama beach	<i>Peromyscus polionotus ammobates</i>	E	110.17	\$365,487.29	95.51%
186	Palila (honeycreeper)	<i>Loxioides bailleui</i>	E	105.79	\$365,593.08	95.54%
187	Trout, bull (Jarbridge R. pop.)	<i>Salvelinus confluentus</i>	E	105.64	\$365,698.73	95.57%
188	Spineflower, slender-horned	<i>Dodecahema leptoceras</i>	E	105.40	\$365,804.13	95.60%
189	Salamander, Barton Springs	<i>Eurycea sosorum</i>	E	105.00	\$365,909.13	95.62%
190	Toad, Houston	<i>Bufo houstonensis</i>	E	103.00	\$366,012.13	95.65%
191	Madtom, Neosho	<i>Noturus placidus</i>	T	102.25	\$366,114.38	95.68%
192	Woolly-star, Santa Ana River	<i>Eriastrum densifolium ssp. sanctorum</i>	E	102.00	\$366,216.38	95.70%
193	Pitcher-plant, green	<i>Sarracenia oreophila</i>	E	99.35	\$366,315.73	95.73%
194	Ambersnail, Kanab	<i>Oxyloma haydeni kanabensis</i>	E	97.30	\$366,413.03	95.76%
195	Rock-pocketbook, Ouachita (=Wheeler's pearly)	<i>Arkansia wheeleri</i>	E	97.05	\$366,510.08	95.78%
196	Moorhen, Hawaiian common	<i>Gallinula chloropus sandvicensis</i>	E	96.86	\$366,606.94	95.81%
197	Clubshell	<i>Pleurobema clava</i>	E	95.99	\$366,702.93	95.83%
198	Pogonia, small whorled	<i>Isotria medeoloides</i>	T	94.74	\$366,797.67	95.86%
199	Butterfly, Quino checkerspot	<i>Euphydryas editha quino (=E. e. wrighti)</i>	E	94.50	\$366,892.17	95.88%
200	Megapode, Micronesian (=La Perouse's)	<i>Megapodius laperouse</i>	E	88.50	\$366,980.67	95.90%
201	Darter, Niangua	<i>Etheostoma nianguae</i>	T	86.00	\$367,066.67	95.93%
201	Butterfly, Palos Verdes blue	<i>Glaucoopsyche lygdamus palosverdesensis</i>	E	86.00	\$367,152.67	95.95%
203	Springfish, White River	<i>Crenichthys baileyi baileyi</i>	E	84.90	\$367,237.57	95.97%
204	Thrush, small Kauai (=puaiohi)	<i>Myadestes palmeri</i>	E	84.00	\$367,321.57	95.99%

**TABLE 2. SPECIES RANKED IN DESCENDING ORDER OF TOTAL FY 1998 REPORTED EXPENDITURES (\$000)**

RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	SPECIES TOTAL (\$000)	CUMULATIVE TOTAL	CUMULATIVE PERCENT
204	Mesa-mint, Otay	<i>Pogogyne nudiuscula</i>	E	84.00	\$367,405.57	96.02%
206	Kite, Everglade snail	<i>Rostrhamus sociabilis plumbeus</i>	E	83.78	\$367,489.35	96.04%
207	Heelsplitter, Carolina	<i>Lasmigona decorata</i>	E	83.30	\$367,572.65	96.06%
208	Shiner, blue	<i>Cyprinella caerulea</i>	T	80.99	\$367,653.64	96.08%
209	Bat, Ozark big-eared	<i>Plecotus townsendii ingens</i>	E	80.60	\$367,734.24	96.10%
210	Springfish, Hiko White River	<i>Crenichthys baileyi grandis</i>	E	77.69	\$367,811.93	96.12%
211	Mesa-mint, San Diego	<i>Pogogyne abramsii</i>	E	77.30	\$367,889.23	96.14%
212	Penstemon, blowout	<i>Penstemon haydenii</i>	E	75.50	\$367,964.73	96.16%
213	Ladies'-tresses, Navasota	<i>Spiranthes parksii</i>	E	75.00	\$368,039.73	96.18%
214	Cactus, Kuenzler hedgehog	<i>Echinocereus fendleri</i> var. <i>kuenzleri</i>	E	74.70	\$368,114.43	96.20%
215	Crocodile, American	<i>Crocodylus acutus</i>	E	73.80	\$368,188.23	96.22%
216	Bladderpod, Missouri	<i>Lesquerella filiformis</i>	E	72.30	\$368,260.53	96.24%
217	Snail, Bliss Rapids	<i>Taylorconcha serpenticola</i>	T	72.10	\$368,332.62	96.26%
218	Milk-vetch, Applegate's	<i>Astragalus applegatei</i>	E	72.00	\$368,404.62	96.28%
219	Snail, Snake River physa	<i>Physa natricina</i>	E	71.66	\$368,476.29	96.29%
219	Springsnail, Idaho	<i>Fontelicella idahoensis</i>	E	71.66	\$368,547.95	96.31%
221	Akepa, Maui (honeycreeper)	<i>Loxops coccyneus ochraceus</i>	E	71.50	\$368,619.45	96.33%
222	Sucker, Warner	<i>Catostomus warnerensis</i>	T	70.47	\$368,689.92	96.35%
223	Salamander, Red Hills	<i>Phaeognathus hubrichti</i>	T	70.00	\$368,759.92	96.37%
224	Butterfly, bay checkerspot	<i>Euphydryas editha bayensis</i>	T	69.30	\$368,829.22	96.39%
225	Chub, Sonora	<i>Gila ditaenia</i>	T	68.10	\$368,897.32	96.40%
226	Darter, leopard	<i>Percina pantherina</i>	T	67.90	\$368,965.21	96.42%
227	Snake, copperbelly water (northern pop.)	<i>Nerodia erythrogaster neglecta</i>	T	67.16	\$369,032.37	96.44%
228	Coneflower, smooth	<i>Echinacea laevigata</i>	E	67.13	\$369,099.50	96.46%
229	Jaguarundi	<i>Felis yagouaroundi cacomitli</i>	E	66.00	\$369,165.50	96.47%
230	Rattlesnake, New Mexican ridge-nosed	<i>Crotalus willardi obscurus</i>	T	65.68	\$369,231.18	96.49%
231	Dace, Clover Valley speckled	<i>Rhinichthys osculus oligoporus</i>	E	65.00	\$369,296.18	96.51%
231	Dace, Independence Valley speckled	<i>Rhinichthys osculus lethoporus</i>	E	65.00	\$369,361.18	96.53%
233	Spinedace, Big Spring	<i>Lepidomeda mollispinis pratensis</i>	T	64.70	\$369,425.88	96.54%
234	Pigeon, Puerto Rican plain	<i>Columba inornata wetmorei</i>	E	64.60	\$369,490.48	96.56%
235	Clubshell, southern	<i>Pleurobema decisum</i>	E	64.47	\$369,554.94	96.58%
236	Aster, decurrent false	<i>Boltonia decurrens</i>	T	63.72	\$369,618.66	96.59%
237	Mallow, Kern	<i>Eremalche kernensis</i>	E	63.30	\$369,681.96	96.61%
238	Cavefish, Ozark	<i>Amblyopsis rosae</i>	T	63.25	\$369,745.21	96.63%

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RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	SPECIES TOTAL (\$000)	CUMULATIVE TOTAL	CUMULATIVE PERCENT
239	Fairy shrimp, longhorn	Branchinecta longiantenna	E	62.30	\$369,807.51	96.64%
240	Pocketbook, fat	Potamilus capax	E	60.80	\$369,868.31	96.66%
241	Trout, Apache (=Arizona)	Oncorhynchus apache	T	60.50	\$369,928.81	96.67%
242	Mustard, slender-petaled	Thelypodium stenopetalum	E	59.70	\$369,988.51	96.69%
243	Snake, San Francisco garter	Thamnophis sirtalis tetrataenia	E	59.30	\$370,047.81	96.71%
243	Shrimp, California freshwater	Syncaris pacifica	E	59.30	\$370,107.11	96.72%
245	Grass, California Orcutt	Orcuttia californica	E	59.00	\$370,166.11	96.74%
246	Bat, Hawaiian hoary	Lasiurus cinereus semotus	E	58.50	\$370,224.61	96.75%
247	Dace, blackside	Phoxinus cumberlandensis	T	58.30	\$370,282.91	96.77%
248	Checker-mallow, pedate	Sidalcea pedata	E	58.00	\$370,340.91	96.78%
249	Turtle, yellow-blotched map (=sawback)	Graptemys flavimaculata	T	57.25	\$370,398.16	96.80%
250	Honeycreeper, crested (= akohekohe)	Palmeria dolei	E	56.43	\$370,454.60	96.81%
251	Pearlymussel, little-wing	Pegias fabula	E	55.77	\$370,510.36	96.83%
252	Jewelflower, California	Caulanthus californicus	E	55.30	\$370,565.66	96.84%
253	Towhee, Inyo California (=brown)	Pipilo crissalis eremophilus	T	55.00	\$370,620.66	96.86%
254	Moccasinshell, Alabama	Medionidus acutissimus	T	54.86	\$370,675.52	96.87%
255	Creepers, Hawaii	Oreomystis mana	E	54.79	\$370,730.31	96.88%
256	Monkshood, northern wild	Aconitum noveboracense	T	54.04	\$370,784.35	96.90%
257	Bat, Mariana fruit	Pteropus mariannus mariannus	E	54.00	\$370,838.35	96.91%
258	`Akepa, Hawaii (honeycreeper)	Loxops coccineus coccineus	E	53.79	\$370,892.14	96.93%
258	`Akiapola`au (honeycreeper)	Hemignathus munroi	E	53.79	\$370,945.94	96.94%
260	Pondberry	Lindera melissifolia	E	53.13	\$370,999.06	96.95%
261	Lizard, Coachella Valley fringe-toed	Uma inornata	T	53.09	\$371,052.16	96.97%
262	Butterfly, El Segundo blue	Euphilotes battoides allyni	E	53.00	\$371,105.16	96.98%
263	Darter, Etowah	Etheostoma etowahae	E	52.95	\$371,158.11	97.00%
264	Trout, Little Kern golden	Oncorhynchus aguabonita whitei	T	52.80	\$371,210.91	97.01%
265	Moorhen, Mariana common	Gallinula chloropus guami	E	52.50	\$371,263.41	97.02%
266	Sandwort, Marsh	Arenaria paludicola	E	51.70	\$371,315.11	97.04%
267	Riffleshell, northern	Epioblasma torulosa rangiana	E	51.56	\$371,366.66	97.05%
268	Clubshell, ovate	Pleurobema perovatum	E	51.47	\$371,418.13	97.06%
269	Butterfly, Saint Francis' satyr	Neonympha mitchellii francisci	E	51.20	\$371,469.33	97.08%
270	Springsnail, Bruneau Hot	Pyrgulopsis bruneauensis	E	50.94	\$371,520.27	97.09%
271	Squirrel, Virginia northern flying	Glaucomys sabrinus fuscus	E	50.16	\$371,570.43	97.10%
272	Jaguar	Panthera onca	E	49.72	\$371,620.15	97.12%

**TABLE 2. SPECIES RANKED IN DESCENDING ORDER OF TOTAL FY 1998 REPORTED EXPENDITURES (\$000)**

RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	SPECIES TOTAL (\$000)	CUMULATIVE TOTAL	CUMULATIVE PERCENT
273	Kingfisher, Guam Micronesian	<i>Halcyon cinnamomina cinnamomina</i>	E	49.50	\$371,669.65	97.13%
274	Cactus, Winkler	<i>Pediocactus winkleri</i>	T	48.70	\$371,718.35	97.14%
275	Riffleshell, tan	<i>Epioblasma walkeri</i>	E	47.82	\$371,766.17	97.15%
276	Monkey-flower, Michigan	<i>Mimulus glabratus</i> var. <i>michiganensis</i>	E	47.00	\$371,813.17	97.17%
277	Mucket, orange-nacre	<i>Lampsilis perovalis</i>	T	45.76	\$371,858.93	97.18%
278	Goldenrod, Houghton's	<i>Solidago houghtonii</i>	T	45.70	\$371,904.63	97.19%
279	Kidneyshell, triangular	<i>Ptychobranthus greeni</i>	E	45.36	\$371,949.99	97.20%
280	Woolly-star, Hoover's	<i>Eriastrum hooveri</i>	T	45.30	\$371,995.29	97.21%
281	Pearlymussel, orange-foot pimpleback	<i>Plethobasus cooperianus</i>	E	44.60	\$372,039.89	97.23%
282	Turtle, Alabama redbelly (=red-bellied)	<i>Pseudemys alabamensis</i>	E	44.50	\$372,084.39	97.24%
283	Boa, Puerto Rican	<i>Epicrates inornatus</i>	E	44.30	\$372,128.69	97.25%
284	Pupfish, Ash Meadows Amargosa	<i>Cyprinodon nevadensis mionectes</i>	E	44.06	\$372,172.75	97.26%
285	Jaguarundi	<i>Felis yagouaroundi tolteca</i>	E	43.60	\$372,216.35	97.27%
286	Potato-bean, Price's	<i>Apios priceana</i>	T	43.20	\$372,259.55	97.28%
287	Sucker, Modoc	<i>Catostomus microps</i>	E	43.17	\$372,302.72	97.29%
288	Spineflower, Orcutt's	<i>Chorizanthe orcuttiana</i>	E	42.70	\$372,345.42	97.31%
289	Poppy, Sacramento prickly	<i>Argemone pleiacantha</i> ssp. <i>pinnatisecta</i>	E	42.60	\$372,388.02	97.32%
290	Spinedace, White River	<i>Lepidomeda albivallis</i>	E	42.50	\$372,430.52	97.33%
290	Milkweed, Mead's	<i>Asclepias meadii</i>	T	42.50	\$372,473.02	97.34%
290	Watercress, Gambel's	<i>Rorippa gambellii</i>	E	42.50	\$372,515.52	97.35%
293	Butterfly, mission blue	<i>Icaricia icarioides missionensis</i>	E	42.30	\$372,557.82	97.36%
294	Neraudia angulata (=Sci name)	<i>Neraudia angulata</i>	E	42.02	\$372,599.85	97.37%
295	Dawn-flower, Texas prairie	<i>Hymenoxys texana</i>	E	42.00	\$372,641.85	97.38%
296	Trillium, relict	<i>Trillium reliquum</i>	E	41.85	\$372,683.70	97.39%
297	Paintbrush, golden	<i>Castilleja levisecta</i>	T	41.51	\$372,725.21	97.41%
298	Thistle, Pitcher's	<i>Cirsium pitcheri</i>	T	41.00	\$372,766.21	97.42%
299	Darter, amber	<i>Percina antesella</i>	E	40.99	\$372,807.19	97.43%
300	Woolly-threads, San Joaquin	<i>Lembertia congdonii</i>	E	40.30	\$372,847.49	97.44%
301	Salamander, Santa Cruz long-toed	<i>Ambystoma macrodactylum croceum</i>	E	40.00	\$372,887.49	97.45%
302	Hawk, Hawaiian (=io)	<i>Buteo solitarius</i>	E	39.75	\$372,927.24	97.46%
303	Thistle, Chorro Creek	<i>Cirsium fontinale</i> var. <i>obispoense</i>	E	39.50	\$372,966.74	97.47%
304	Beetle, northeastern beach tiger	<i>Cicindela dorsalis dorsalis</i>	T	38.90	\$373,005.64	97.48%
305	Cactus, Bakersfield	<i>Opuntia treleasei</i>	E	38.80	\$373,044.44	97.49%
306	Bat, Virginia big-eared	<i>Plecotus townsendii virginianus</i>	E	38.77	\$373,083.21	97.50%

**TABLE 2. SPECIES RANKED IN DESCENDING ORDER OF TOTAL FY 1998 REPORTED EXPENDITURES (\$000)**

RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	SPECIES TOTAL (\$000)	CUMULATIVE TOTAL	CUMULATIVE PERCENT
307	Pearlymussel, Curtis'	<i>Epioblasma florentina curtisi</i>	E	38.40	\$373,121.61	97.51%
308	Orcutt grass, slender	<i>Orcuttia tenuis</i>	T	38.30	\$373,159.91	97.52%
309	Bush-clover, prairie	<i>Lespedeza leptostachya</i>	T	37.13	\$373,197.04	97.53%
310	Butterfly, Schaus swallowtail	<i>Heraclides aristodemus ponceanus</i>	E	36.64	\$373,233.68	97.54%
311	Four-o'clock, MacFarlane's	<i>Mirabilis macfarlanei</i>	E	36.60	\$373,270.28	97.55%
311	Gardenia, Hawaiian (na`u)	<i>Gardenia brighamii</i>	E	36.60	\$373,306.88	97.56%
313	Darter, fountain	<i>Etheostoma fonticola</i>	E	36.50	\$373,343.38	97.57%
313	Wild-rice, Texas	<i>Zizania texana</i>	E	36.50	\$373,379.88	97.58%
315	Milkweed, Welsh's	<i>Asclepias welshii</i>	T	36.40	\$373,416.28	97.59%
316	Hawk, Puerto Rican broad-winged	<i>Buteo platypterus brunnescens</i>	E	36.30	\$373,452.58	97.60%
317	Fly, Delhi Sands flower-loving	<i>Rhaphiomidas terminatus abdominalis</i>	E	36.00	\$373,488.58	97.60%
317	Rock-cress, McDonald's	<i>Arabis mcdonaldiana</i>	E	36.00	\$373,524.58	97.61%
319	Ladies'-tresses, Canelo Hills (=Madrean)	<i>Spiranthes delitescens</i>	E	35.80	\$373,560.38	97.62%
320	Limpet, Banbury Springs	<i>Lanx</i> sp.	E	35.80	\$373,596.18	97.63%
321	Snail, Stock Island tree	<i>Orthalicus reses</i>	T	35.50	\$373,631.68	97.64%
322	Quillwort, Louisiana	<i>Isoetes louisianensis</i>	E	35.23	\$373,666.90	97.65%
323	Crayfish, Shasta (=placid)	<i>Pacifastacus fortis</i>	E	35.04	\$373,701.94	97.66%
324	Indian paintbrush, San Clemente Island	<i>Castilleja grisea</i>	E	34.90	\$373,736.84	97.67%
325	Gambusia, San Marcos	<i>Gambusia georgei</i>	E	34.50	\$373,771.34	97.68%
325	Lily, Western	<i>Lilium occidentale</i>	E	34.50	\$373,805.84	97.69%
327	Kulu`i	<i>Nototrichium humile</i>	E	34.42	\$373,840.27	97.70%
328	Pigtoe (mussel), oval	<i>Pleurobema pyriforme</i>	E	34.20	\$373,874.47	97.71%
329	Mouse, Perdido Key beach	<i>Peromyscus polionotus trissyllepsis</i>	E	34.10	\$373,908.57	97.71%
330	Kuahiwi, laukahi	<i>Plantago princeps</i>	E	34.00	\$373,942.57	97.72%
330	Rockcress, Santa Cruz Island	<i>Sibara filifolia</i>	E	34.00	\$373,976.57	97.73%
330	Woodland-star, San Clemente Island	<i>Lithophragma maximum</i>	E	34.00	\$374,010.57	97.74%
333	Fairy shrimp, Conservancy	<i>Branchinecta conservatio</i>	E	33.30	\$374,043.87	97.75%
333	Dwarf-flax, Marin	<i>Hesperolinon congestum</i>	T	33.30	\$374,077.17	97.76%
333	Paintbrush, Tiburon	<i>Castilleja affinis</i> ssp. <i>neglecta</i>	E	33.30	\$374,110.47	97.77%
336	Darter, boulder (=Elk River)	<i>Etheostoma wapiti</i>	E	33.20	\$374,143.67	97.78%
337	Ma`ohau hele (=biscus, native yellow)	<i>Hibiscus brackenridgei</i>	E	32.80	\$374,176.47	97.78%
338	Butterfly, Uncompahgre fritillary	<i>Boloria acrocynema</i>	E	32.70	\$374,209.17	97.79%
338	Bonamia menziesii (=Sci name)	<i>Bonamia menziesii</i>	E	32.70	\$374,241.87	97.80%
340	Lobelia niihauensis (=Sci name)	<i>Lobelia niihauensis</i>	E	32.50	\$374,274.37	97.81%

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RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	SPECIES TOTAL (\$000)	CUMULATIVE TOTAL	CUMULATIVE PERCENT
341	Elktoe, Appalachian	<i>Alasmidonta raveneliana</i>	E	32.24	\$374,306.61	97.82%
342	Cactus, Sneed pincushion	<i>Coryphantha sneedii</i> var. <i>sneedii</i>	E	32.00	\$374,338.61	97.83%
343	<i>Sanicula purpurea</i> (=Sci. name)	<i>Sanicula purpurea</i>	E	31.75	\$374,370.36	97.84%
344	Dace, desert	<i>Eremichthys acros</i>	T	31.50	\$374,401.86	97.84%
344	Nanu	<i>Gardenia mannii</i>	E	31.50	\$374,433.36	97.85%
346	Bird's-beak, Pennell's	<i>Cordylanthus tenuis</i> ssp. <i>capillaris</i>	E	31.30	\$374,464.66	97.86%
346	Ceanothus, coyote (=California-lilac, Coyote)	<i>Ceanothus ferrisae</i>	E	31.30	\$374,495.96	97.87%
346	Clarkia, Presidio	<i>Clarkia franciscana</i>	E	31.30	\$374,527.26	97.88%
346	Dudleya, Santa Clara Valley	<i>Dudleya setchellii</i>	E	31.30	\$374,558.56	97.88%
346	Jewelflower, Metcalf Canyon	<i>Streptanthus albidus</i> ssp. <i>albidus</i>	E	31.30	\$374,589.86	97.89%
346	Jewelflower, Tiburon	<i>Streptanthus niger</i>	E	31.30	\$374,621.16	97.90%
346	Mariposa lily, Tiburon	<i>Calochortus tiburonensis</i>	T	31.30	\$374,652.46	97.91%
346	Pentachaeta, white-rayed	<i>Pentachaeta bellidiflora</i>	E	31.30	\$374,683.76	97.92%
346	Sunflower, San Mateo woolly	<i>Eriophyllum latilobum</i>	E	31.30	\$374,715.06	97.93%
346	Thistle, fountain	<i>Cirsium fontinale</i> var. <i>fontinale</i>	E	31.30	\$374,746.36	97.93%
356	Clover, running buffalo	<i>Trifolium stoloniferum</i>	E	31.24	\$374,777.60	97.94%
357	Sand-verbena, large-fruited	<i>Abronia macrocarpa</i>	E	31.00	\$374,808.60	97.95%
357	Thornmint, San Mateo	<i>Acanthomintha obovata</i> ssp. <i>duttonii</i>	E	31.00	\$374,839.60	97.96%
359	Mehamehame	<i>Flueggea neowawraea</i>	E	30.80	\$374,870.40	97.97%
360	<i>Hesperomannia arborescens</i> (=Sci name)	<i>Hesperomannia arborescens</i>	E	30.60	\$374,901.00	97.97%
360	Joint-vetch, sensitive	<i>Aeschynomene virginica</i>	T	30.60	\$374,931.60	97.98%
362	Amphianthus, little	<i>Amphianthus pusillus</i>	T	30.54	\$374,962.13	97.99%
363	Mountain beaver, Point Arena	<i>Aplodontia rufa nigra</i>	E	30.50	\$374,992.63	98.00%
363	Broadbill, Guam	<i>Myiagra freycineti</i>	E	30.50	\$375,023.13	98.01%
363	Monarch, Tinian (old world flycatcher)	<i>Monarcha takatsukasae</i>	T	30.50	\$375,053.63	98.01%
363	Swiftlet, Mariana gray (=vanikoro)	<i>Aerodramus vanikorensis bartschi</i>	E	30.50	\$375,084.13	98.02%
363	White-eye, bridled	<i>Zosterops conspicillatus conspicillatus</i>	E	30.50	\$375,114.63	98.03%
368	Gambusia, Big Bend	<i>Gambusia gaigei</i>	E	30.09	\$375,144.73	98.04%
369	Creeper, Oahu (=alauwahio)	<i>Paroreomyza maculata</i>	E	29.62	\$375,174.35	98.05%
370	Haha	<i>Cyanea koolauensis</i>	E	29.60	\$375,203.95	98.05%
370	<i>Lobelia oahuensis</i> (=Sci name)	<i>Lobelia oahuensis</i>	E	29.60	\$375,233.55	98.06%
372	Iris, dwarf lake	<i>Iris lacustris</i>	T	29.40	\$375,262.95	98.07%
373	`Oha wai	<i>Clermontia lindseyana</i>	E	29.30	\$375,292.25	98.08%
374	Shiner, Cape Fear	<i>Notropis mekistocholas</i>	E	29.10	\$375,321.35	98.08%



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RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	SPECIES TOTAL (\$000)	CUMULATIVE TOTAL	CUMULATIVE PERCENT
375	Shrimp, Alabama cave	<i>Palaemonias alabamae</i>	E	29.00	\$375,350.35	98.09%
375	`Akoko	<i>Chamaesyce rockii</i>	E	29.00	\$375,379.35	98.10%
377	Heelsplitter, inflated	<i>Potamilus inflatus</i>	T	28.86	\$375,408.21	98.11%
378	`Anaunau	<i>Lepidium arbuscula</i>	E	28.80	\$375,437.01	98.11%
379	Spiny mussel, James River (=Virginia)	<i>Pleurobema collina</i>	E	28.70	\$375,465.71	98.12%
380	<i>Cyanea superba</i> (=Sci name)	<i>Cyanea superba</i>	E	28.60	\$375,494.31	98.13%
381	Combshell, upland	<i>Epioblasma metastrata</i>	E	28.50	\$375,522.81	98.14%
382	Spiny mussel, Tar River	<i>Elliptio steinstansana</i>	E	28.39	\$375,551.20	98.14%
383	<i>Sanicula mariversa</i> (=Sci name)	<i>Sanicula mariversa</i>	E	28.32	\$375,579.53	98.15%
384	Springfish, Railroad Valley	<i>Crenichthys nevadae</i>	T	28.12	\$375,607.65	98.16%
385	Cactus, Tobusch fishhook	<i>Ancistrocactus tobuschii</i>	E	28.10	\$375,635.75	98.17%
386	Salamander, San Marcos	<i>Eurycea nana</i>	T	28.00	\$375,663.75	98.17%
386	Salamander, Texas blind	<i>Typhlomolge rathbuni</i>	E	28.00	\$375,691.75	98.18%
386	Beetle, Comal Springs dryopid	<i>Stygoparnus comalensis</i>	E	28.00	\$375,719.75	98.19%
386	Beetle, Comal Springs riffle	<i>Heterelmis comalensis</i>	E	28.00	\$375,747.75	98.20%
386	Amphipod, Peck's cave	<i>Stygobromus pecki</i> (=Stygonectes p.)	E	28.00	\$375,775.75	98.20%
386	<i>Daphnopsis hellerana</i> (=Sci name)	<i>Daphnopsis hellerana</i>	E	28.00	\$375,803.75	98.21%
392	<i>Hedyotis parvula</i> (=Sci name)	<i>Hedyotis parvula</i>	E	27.82	\$375,831.57	98.22%
392	Na`ena`e	<i>Dubautia herbstobatae</i>	E	27.82	\$375,859.39	98.22%
394	<i>Tetramolopium filiforme</i> (=Sci name)	<i>Tetramolopium filiforme</i>	E	27.72	\$375,887.12	98.23%
395	Water-umbel, Huachuca	<i>Lilaeopsis schaffneriana</i> ssp. <i>recurva</i>	E	27.60	\$375,914.72	98.24%
396	Warbler, nightingale reed	<i>Acrocephalus luscini</i>	E	27.50	\$375,942.22	98.25%
397	Pocketbook, fine-lined	<i>Lampsilis altilis</i>	T	27.31	\$375,969.53	98.25%
398	<i>Schiedea hookeri</i> (=Sci. name)	<i>Schiedea hookeri</i>	E	27.30	\$375,996.83	98.26%
399	`Akoko	<i>Euphorbia haeleeleana</i>	E	27.20	\$376,024.03	98.27%
400	Pearly mussel, Cumberland bean	<i>Villosa trabalis</i>	E	27.12	\$376,051.15	98.27%
401	Logperch, Conasauga	<i>Percina jenkinsi</i>	E	26.95	\$376,078.10	98.28%
402	<i>Diellia falcata</i> (=Sci name)	<i>Diellia falcata</i>	E	26.80	\$376,104.90	98.29%
403	Snail, Morro shoulderband (=Banded dune)	<i>Helminthoglypta walkeriana</i>	E	26.50	\$376,131.40	98.30%
404	`Ohe `ohe	<i>Tetraplasandra gymnocarpa</i>	E	26.40	\$376,157.80	98.30%
405	Campion, fringed	<i>Silene polypetala</i>	E	26.30	\$376,184.10	98.31%
406	Hawk, Puerto Rican sharp-shinned	<i>Accipiter striatus venator</i>	E	26.20	\$376,210.30	98.32%
407	<i>Alsinidendron obovatum</i> (=Sci name)	<i>Alsinidendron obovatum</i>	E	26.00	\$376,236.30	98.32%
408	<i>Spermolepis hawaiiensis</i> (=Sci name)	<i>Spermolepis hawaiiensis</i>	E	25.90	\$376,262.20	98.33%

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RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	SPECIES TOTAL (\$000)	CUMULATIVE TOTAL	CUMULATIVE PERCENT
409	Milk-vetch, Jesup's	<i>Astragalus robbinsii</i> var. <i>jesupi</i>	E	25.80	\$376,288.00	98.34%
410	Butterfly, Myrtle's silverspot	<i>Speyeria zerene myrtleae</i>	E	25.31	\$376,313.30	98.34%
411	Ha'iwale	<i>Cyrtandra dentata</i>	E	25.30	\$376,338.60	98.35%
411	Schiedea nuttallii (=Sci. name)	<i>Schiedea nuttallii</i>	E	25.30	\$376,363.90	98.36%
413	Cactus, San Rafael	<i>Pediocactus despainii</i>	E	25.20	\$376,389.10	98.36%
413	Pauoa	<i>Ctenitis squamigera</i>	E	25.20	\$376,414.30	98.37%
415	Chub, Hutton tui	<i>Gila bicolor</i> ssp.	T	25.00	\$376,439.30	98.38%
415	Dace, Foskett speckled	<i>Rhinichthys osculus</i> ssp.	T	25.00	\$376,464.30	98.38%
417	Dace, Moapa	<i>Moapa coriacea</i>	E	24.80	\$376,489.10	98.39%
418	Meadowrue, Cooley's	<i>Thalictrum cooleyi</i>	E	24.70	\$376,513.80	98.40%
419	Bat, Mexican long-nosed	<i>Leptonycteris nivalis</i>	E	24.60	\$376,538.40	98.40%
420	Avens, spreading	<i>Geum radiatum</i>	E	24.50	\$376,562.90	98.41%
421	Caracara, Audubon's crested	<i>Polyborus plancus audubonii</i>	T	24.40	\$376,587.30	98.41%
422	Lizard, Island night	<i>Xantusia riversiana</i>	T	24.40	\$376,611.71	98.42%
423	Darter, snail	<i>Percina tanasi</i>	T	24.35	\$376,636.06	98.43%
424	Sandbur, agrimony or Kamanomano	<i>Cenchrus agrimonioides</i>	E	24.20	\$376,660.26	98.43%
425	Salamander, Sonoran tiger	<i>Ambystoma tigrinum stebbinsi</i>	E	24.10	\$376,684.36	98.44%
425	Chub, Owens tui	<i>Gila bicolor snyderi</i>	E	24.10	\$376,708.46	98.45%
427	Gecko, Monito	<i>Sphaerodactylus micropithecus</i>	E	24.00	\$376,732.46	98.45%
427	Pupfish, Leon Springs	<i>Cyprinodon bovinus</i>	E	24.00	\$376,756.46	98.46%
427	Nioi	<i>Eugenia koolauensis</i>	E	24.00	\$376,780.46	98.47%
430	Lampmussel, Alabama (=Pearly mussel, Alabama)	<i>Lampsilis virescens</i>	E	24.00	\$376,804.45	98.47%
431	Mouse, southeastern beach	<i>Peromyscus polionotus niveiventris</i>	T	23.90	\$376,828.35	98.48%
432	Pitcher-plant, mountain sweet	<i>Sarracenia rubra</i> ssp. <i>jonesii</i>	E	23.60	\$376,851.95	98.48%
433	Pentachaeta, Lyon's	<i>Pentachaeta lyonii</i>	E	23.50	\$376,875.45	98.49%
433	Spineflower, Ben Lomond	<i>Chorizanthe pungens</i> var. <i>hartwegiana</i>	E	23.50	\$376,898.95	98.50%
433	Spineflower, Robust (incl. Scotts Valley)	<i>Chorizanthe robusta</i> (incl. vars. <i>robusta</i> & <i>hartwegiana</i> )	E	23.50	\$376,922.45	98.50%
436	Baccharis, Encinitis	<i>Baccharis vanessae</i>	T	23.40	\$376,945.85	98.51%
437	Manzanita, Del Mar (=Costa Baja, =Eastwood's)	<i>Arctostaphylos glandulosa</i> ssp. <i>crassifolia</i>	E	22.40	\$376,968.25	98.51%
438	Tetramolopium lepidotum ssp. lepidotum (=Sci)	<i>Tetramolopium lepidotum</i> ssp. <i>lepidotum</i>	E	22.39	\$376,990.65	98.52%
439	Uhiuhi	<i>Caesalpinia kavaiense</i>	E	21.90	\$377,012.55	98.53%
440	Moccasinshell, Gulf	<i>Medionidus penicillatus</i>	E	21.82	\$377,034.36	98.53%
441	Harperella	<i>Ptilimnium nodosum</i>	E	21.79	\$377,056.15	98.54%
442	Phyllostegia hirsuta (=Sci. name)	<i>Phyllostegia hirsuta</i>	E	21.70	\$377,077.85	98.54%

**TABLE 2. SPECIES RANKED IN DESCENDING ORDER OF TOTAL FY 1998 REPORTED EXPENDITURES (\$000)**

RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	SPECIES TOTAL (\$000)	CUMULATIVE TOTAL	CUMULATIVE PERCENT
443	Haha	Cyanea grimesiana ssp. grimesiana	E	21.60	\$377,099.45	98.55%
444	Silene lanceolata (=Sci name)	Silene lanceolata	E	21.24	\$377,120.70	98.55%
445	Haha	Cyanea acuminata	E	21.10	\$377,141.80	98.56%
445	Pteris lidgatei (=Sci name)	Pteris lidgatei	E	21.10	\$377,162.90	98.56%
447	Amphipod, Illinois cave	Gammarus acherondytes	E	20.80	\$377,183.70	98.57%
448	Thistle, Sacramento Mountains	Cirsium vinaceum	T	20.60	\$377,204.30	98.58%
448	Viola oahuensis (=Sci. Name)	Viola oahuensis	E	20.60	\$377,224.90	98.58%
450	Dudleyea, Santa Monica Mountains	Dudleyea cymosa ssp. ovatifolia	T	20.50	\$377,245.40	98.59%
450	Milk-vetch, Braunton's	Astragalus brauntonii	E	20.50	\$377,265.90	98.59%
450	Pinkroot, gentian	Spigelia gentianoides	E	20.50	\$377,286.40	98.60%
450	Rhododendron, Chapman	Rhododendron chapmanii	E	20.50	\$377,306.90	98.60%
454	Bladderpod, white	Lesquerella pallida	E	20.30	\$377,327.20	98.61%
455	Pupfish, Owens	Cyprinodon radiosus	E	20.20	\$377,347.40	98.61%
456	Pearlymussel, purple cat's paw	Epioblasma obliquata obliquata	E	20.00	\$377,367.40	98.62%
457	Squirrel, Carolina northern flying	Glaucomys sabrinus coloratus	E	19.99	\$377,387.39	98.62%
458	Combshell, southern (=penitent mussel)	Epioblasma penita	E	19.88	\$377,407.27	98.63%
459	Shearwater, Newell's Townsend's (formerly Man)	Puffinus auricularis newelli	T	19.81	\$377,427.08	98.63%
460	Lupine, clover	Lupinus tirstromii	E	19.80	\$377,446.88	98.64%
460	Spineflower, Sonoma	Chorizanthe valida	E	19.80	\$377,466.68	98.64%
462	Fanshell	Cyprogenia stegaria	E	19.70	\$377,486.38	98.65%
463	Chub, spotfin (=turquoise shiner)	Cyprinella monacha	T	19.56	\$377,505.94	98.65%
464	Lily, Minnesota trout	Erythronium propullans	E	19.52	\$377,525.46	98.66%
465	Grasshopper, Zayante band-winged	Trimerotropis infantilis	E	19.50	\$377,544.96	98.66%
465	Clarkia, Pismo	Clarkia speciosa ssp. immaculata	E	19.50	\$377,564.46	98.67%
465	Dudleyea, Conejo	Dudleyea abramsii ssp. parva	T	19.50	\$377,583.96	98.67%
465	Dudleyea, Marcescent	Dudleyea cymosa ssp. marcescens	T	19.50	\$377,603.46	98.68%
465	Dudleyea, Verity's	Dudleyea verityi	E	19.50	\$377,622.96	98.69%
465	Gilia, Monterey	Gilia tenuiflora ssp. arenaria	E	19.50	\$377,642.46	98.69%
465	Manzanita, Morro	Arctostaphylos morroensis	T	19.50	\$377,661.96	98.70%
465	Wallflower, Ben Lomond	Erysimum teretifolium	E	19.50	\$377,681.46	98.70%
465	Cypress, Santa Cruz	Cupressus abramsiana	E	19.50	\$377,700.96	98.71%
474	Orcutt grass, Greene's	Tuctoria greenei	E	19.30	\$377,720.26	98.71%
475	Pigtoe, southern	Pleurobema georgianum	E	19.06	\$377,739.31	98.72%
476	Toad, Puerto Rican crested	Peltophryne lemur	T	19.00	\$377,758.31	98.72%

**TABLE 2. SPECIES RANKED IN DESCENDING ORDER OF TOTAL FY 1998 REPORTED EXPENDITURES (\$000)**

RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	SPECIES TOTAL (\$000)	CUMULATIVE TOTAL	CUMULATIVE PERCENT
476	Phlox, Texas trailing	Phlox nivalis ssp. texensis	E	19.00	\$377,777.31	98.73%
476	Silene hawaiiensis (=Sci name)	Silene hawaiiensis	T	19.00	\$377,796.31	98.73%
479	Alsinidendron trinerve (=Sci name)	Alsinidendron trinerve	E	18.90	\$377,815.21	98.74%
480	Bankclimber (mussel), purple	Elliptoideus sloatianus	T	18.82	\$377,834.03	98.74%
481	Beetle, Puritan tiger	Cicindela puritana	T	18.65	\$377,852.68	98.75%
482	Daisy, Maguire	Erigeron maguirei var. maguirei	E	18.60	\$377,871.28	98.75%
483	Gerardia, sandplain	Agalinis acuta	E	18.56	\$377,889.83	98.75%
484	Skullcap, large-flowered	Scutellaria montana	E	18.51	\$377,908.35	98.76%
485	Ha'iwale	Cyrtandra viridiflora	E	18.50	\$377,926.85	98.76%
486	Turtle, ringed map (=sawback)	Graptemys oculifera	T	18.45	\$377,945.30	98.77%
487	Mouse, Key Largo cotton	Peromyscus gossypinus allapaticola	E	18.30	\$377,963.60	98.77%
487	Cactus, Unita Basin hookless	Sclerocactus glaucus	T	18.30	\$377,981.90	98.78%
487	Orcutt grass, hairy (=pilose)	Orcuttia pilosa	E	18.30	\$378,000.20	98.78%
487	Rollandia crispa (=Sci name)	Rollandia crispa	E	18.30	\$378,018.50	98.79%
487	Spurge, Hoover's	Chamaesyce hooveri	T	18.30	\$378,036.80	98.79%
492	`O'o, Kauai (= `o'o `a'a) (honeyeater)	Moho braccatus	E	18.20	\$378,055.00	98.80%
492	Fleabane, Rhizome	Erigeron rhizomatus	T	18.20	\$378,073.20	98.80%
494	Rail, light-footed clapper	Rallus longirostris levipes	E	18.14	\$378,091.34	98.81%
495	Beetle, Hungerford's crawling water	Brychius hungerfordi	E	18.00	\$378,109.34	98.81%
495	Skipper, Laguna Mountains	Pyrgus ruralis lagunae	E	18.00	\$378,127.34	98.82%
495	Haha	Cyanea (=Rollandia) st-johnii	E	18.00	\$378,145.34	98.82%
495	Spineflower, Howell's	Chorizanthe howellii	E	18.00	\$378,163.34	98.83%
499	Cactus, Brady pincushion	Pediocactus bradyi	E	17.90	\$378,181.24	98.83%
500	Koki'o, Cooke's	Kokia cookei	E	17.80	\$378,199.04	98.84%
501	Spiraea, Virginia	Spiraea virginiana	T	17.53	\$378,216.57	98.84%
502	Bat, little Mariana fruit	Pteropus tokudae	E	17.50	\$378,234.07	98.84%
502	Mallard, Mariana	Anas oustaleti	E	17.50	\$378,251.57	98.85%
502	Lagu, Hyan	Serianthes nelsonii	E	17.50	\$378,269.07	98.85%
502	Mountain balm, Indian Knob	Eriodictyon altissimum	E	17.50	\$378,286.57	98.86%
506	Aster, Ruth's golden	Pityopsis ruthii	E	17.30	\$378,303.87	98.86%
507	Lysimachia maxima (=ternifolia) (=Sci. name)	Lysimachia maxima (=tenrifolia)	E	17.10	\$378,320.97	98.87%
508	Diellia, asplenium-leaved	Diellia erecta	E	17.03	\$378,338.00	98.87%
509	Salamander, Cheat Mountain	Plethodon nettingi	T	16.87	\$378,354.87	98.88%
510	Liliwai	Acaena exigua	E	16.85	\$378,371.72	98.88%

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RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	SPECIES TOTAL (\$000)	CUMULATIVE TOTAL	CUMULATIVE PERCENT
511	Hau kuahiwi, Hualalai	Hibiscadelphus hualalaiensis	E	16.80	\$378,388.52	98.89%
512	Pink, swamp	Helonias bullata	T	16.75	\$378,405.27	98.89%
513	Mussel, oyster	Epioblasma capsaeformis	E	16.66	\$378,421.92	98.89%
514	Koki`o, Kaua`i	Kokia kauaiensis	E	16.60	\$378,438.52	98.90%
514	Lobelia gaudichaudii ssp. koolauensis , (=Sci. na	Lobelia gaudichaudii var. koolauensis	E	16.60	\$378,455.12	98.90%
516	Woodrat, Key Largo	Neotoma floridana smalli	E	16.50	\$378,471.62	98.91%
516	Acornshell, southern	Epioblasma othcaloogensis	E	16.50	\$378,488.12	98.91%
516	Silversword, Ka`u	Argyroxiphium kauense	E	16.50	\$378,504.62	98.92%
519	Ha`iwale	Cyrtandra subumbellata	E	16.40	\$378,521.02	98.92%
520	Pearlshell, Louisiana	Margaritifera hembeli	T	16.32	\$378,537.34	98.92%
521	Finch, Laysan (honeycreeper)	Telespyza cantans	E	16.30	\$378,553.64	98.93%
521	Haha	Cyanea remyi	E	16.30	\$378,569.94	98.93%
521	Hau kuahiwi	Hibiscadelphus woodii	E	16.30	\$378,586.24	98.94%
521	Koki`o (=hau-hele`ula or Hawaii tree cotton)	Kokia drynarioides	E	16.30	\$378,602.54	98.94%
525	Phyllostegia kaalaensis (=Sci. name)	Phyllostegia kaalaensis	E	16.10	\$378,618.64	98.95%
525	Phyllostegia parviflora (=Sci. name)	Phyllostegia parviflora	E	16.10	\$378,634.74	98.95%
527	Pennyroyal, Todsens`	Hedeoma todsenii	E	16.00	\$378,650.74	98.95%
527	Wawa`iole	Lycopodium nutans	E	16.00	\$378,666.74	98.96%
529	Hala pepe	Pleomele hawaiiensis	E	15.80	\$378,682.54	98.96%
529	Bear-poppy, dwarf	Arctomecon humilis	E	15.80	\$378,698.34	98.97%
531	Madtom, yellowfin	Noturus flavipinnis	T	15.76	\$378,714.10	98.97%
532	Snail, tulotoma (=Alabama live-bearing)	Tulotoma magnifica	E	15.70	\$378,729.80	98.97%
532	Ground-plum, Guthrie's	Astragalus bibullatus	E	15.70	\$378,745.50	98.98%
534	Mussel, ring pink (=golf stick pearly)	Obovaria retusa	E	15.63	\$378,761.13	98.98%
535	Bladderpod, kodachrome	Lesquerella tumulosa	E	15.60	\$378,776.73	98.99%
536	`Akialoa, Kauai (honeycreeper)	Hemignathus procerus	E	15.50	\$378,792.23	98.99%
536	`O`u (honeycreeper)	Psittirostra psittacea	E	15.50	\$378,807.73	98.99%
536	Creeper, Molokai (=kakawahie)	Paroreomyza flammea	E	15.50	\$378,823.23	99.00%
536	Finch, Nihoa (honeycreeper)	Telespyza ultima	E	15.50	\$378,838.73	99.00%
536	Millerbird, Nihoa (old world warbler)	Acrocephalus familiaris kingi	E	15.50	\$378,854.23	99.01%
536	Thrush, large Kauai	Myadestes myadestinus	E	15.50	\$378,869.73	99.01%
536	Thrush, Molokai (=oloma`o)	Myadestes lanaiensis rutha	E	15.50	\$378,885.23	99.02%
536	`Oha	Delissea subcordata	E	15.50	\$378,900.73	99.02%
544	Phyllostegia knudsenii , (=Sci. name)	Phyllostegia knudsenii	E	15.40	\$378,916.13	99.02%

**TABLE 2. SPECIES RANKED IN DESCENDING ORDER OF TOTAL FY 1998 REPORTED EXPENDITURES (\$000)**

RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	SPECIES TOTAL (\$000)	CUMULATIVE TOTAL	CUMULATIVE PERCENT
545	Kauila	Colubrina oppositifolia	E	15.30	\$378,931.43	99.03%
545	Loulu	Pritchardia viscosa	E	15.30	\$378,946.73	99.03%
547	Opuhe	Urera kaalae	E	15.20	\$378,961.93	99.04%
548	Haha	Cyanea grimesiana spp. obatae	E	15.10	\$378,977.03	99.04%
548	Hesperomannia arbuscula (=Sci name)	Hesperomannia arbuscula	E	15.10	\$378,992.13	99.04%
548	Phyllostegia mollis (=Sci name)	Phyllostegia mollis	E	15.10	\$379,007.23	99.05%
551	Sunflower, Schweinitz's	Helianthus schweinitzii	E	15.04	\$379,022.27	99.05%
552	Alani	Melicope lydgatei	E	15.00	\$379,037.27	99.05%
553	Kamakahala	Labordia cyrtandrae	E	14.80	\$379,052.07	99.06%
553	Mariscus pennatiformis (=Sci name)	Mariscus pennatiformis	E	14.80	\$379,066.87	99.06%
553	Schiedea kaalae (=Sci name)	Schiedea kaalae	E	14.80	\$379,081.67	99.07%
556	Pu`uka`a	Cyperus trachysanthos	E	14.60	\$379,096.27	99.07%
556	Diplazium molokaiense (=Sci name)	Diplazium molokaiense	E	14.60	\$379,110.87	99.07%
558	`Akoko	Chamaesyce celastroides var. kaenana	E	14.50	\$379,125.37	99.08%
558	`Awiwi	Centaurium sebaeoides	E	14.50	\$379,139.87	99.08%
558	Aupaka	Isodendron laurifolium	E	14.50	\$379,154.37	99.09%
558	Ma`oli`oli	Schiedea kealiae	E	14.50	\$379,168.87	99.09%
558	Silversword, `Ahinahina Mauna Kea	Argyroxiphium sandwicense ssp. sandwicense	E	14.50	\$379,183.37	99.09%
563	Pearlymussel, birdwing	Conradilla caelata	E	14.36	\$379,197.72	99.10%
564	Bird's-beak, soft	Cordylanthus mollis ssp. mollis	E	14.30	\$379,212.02	99.10%
564	Ha`iwale	Cyrtandra polyantha	E	14.30	\$379,226.32	99.10%
564	Haha	Cyanea truncata	E	14.30	\$379,240.62	99.11%
567	Hau kuahiwi	Hibiscadelphus giffardianus	E	14.25	\$379,254.87	99.11%
568	Lobelia monostachya (=Sci. name)	Lobelia monostachya	E	14.20	\$379,269.07	99.12%
568	Silene perlmanii (=Sci name)	Silene perlmanii	E	14.20	\$379,283.27	99.12%
570	Shrew, Dismal Swamp southeastern	Sorex longirostris fisheri	T	14.10	\$379,297.37	99.12%
570	Darter, duskytail	Etheostoma (Catonotus) sp.	E	14.10	\$379,311.47	99.13%
570	Arrowhead, bunched	Sagittaria fasciculata	E	14.10	\$379,325.57	99.13%
570	Cactus, Knowlton	Pediocactus knowltonii	E	14.10	\$379,339.67	99.13%
570	Kamakahala	Labordia tinifolia var. wahiawaensis	E	14.10	\$379,353.77	99.14%
570	Locoweed, Fassett's	Oxytropis campestris var. chartacea	T	14.10	\$379,367.87	99.14%
570	Paintbrush, soft-leaved	Castilleja mollis	E	14.10	\$379,381.97	99.14%
570	Popolo, ku mai (=Popolo, thorny)	Solanum incompletum	E	14.10	\$379,396.07	99.15%
570	Vigna o-wahuensis (=Sci name)	Vigna o-wahuensis	E	14.10	\$379,410.17	99.15%

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RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	SPECIES TOTAL (\$000)	CUMULATIVE TOTAL	CUMULATIVE PERCENT
579	Mouse, Choctawahatchee beach	<i>Peromyscus polionotus allophrys</i>	E	14.00	\$379,424.17	99.16%
579	Turtle, Plymouth redbelly (=red-bellied)	<i>Pseudemys rubriventris bangsi</i>	E	14.00	\$379,438.17	99.16%
579	Beetle, Coffin Cave mold	<i>Batrisodes texanus</i>	E	14.00	\$379,452.17	99.16%
579	Beetle, Kretschmarr Cave mold	<i>Texamaurops reddelli</i>	E	14.00	\$379,466.17	99.17%
579	Beetle, Tooth Cave ground	<i>Rhadine persephone</i>	E	14.00	\$379,480.17	99.17%
579	Harvestman, Bee Creek Cave	<i>Texella reddelli</i>	E	14.00	\$379,494.17	99.17%
579	Harvestman, Bone Cave	<i>Texella reyesi</i>	E	14.00	\$379,508.17	99.18%
579	Pseudoscorpion, Tooth Cave	<i>Microcreagris texana</i>	E	14.00	\$379,522.17	99.18%
579	Spider, Tooth Cave	<i>Leptoneta myopica</i>	E	14.00	\$379,536.17	99.19%
579	`Oha	<i>Delissea rivularis</i>	E	14.00	\$379,550.17	99.19%
579	Haha	<i>Cyanea (=Rollandia) humboldtiana</i>	E	14.00	\$379,564.17	99.19%
579	Haha	<i>Cyanea longiflora</i>	E	14.00	\$379,578.17	99.20%
579	Kolea	<i>Myrsine juddii</i>	E	14.00	\$379,592.17	99.20%
579	Fern, pendant kihi	<i>Adenophorus periens</i>	E	14.00	\$379,606.17	99.20%
593	Nehe	<i>Lipochaeta tenuifolia</i>	E	13.90	\$379,620.07	99.21%
594	<i>Alsinodendron viscosum (=Sci. name)</i>	<i>Alsinodendron viscosum</i>	E	13.80	\$379,633.87	99.21%
595	Frankenia, Johnston's	<i>Frankenia johnstonii</i>	E	13.70	\$379,647.57	99.21%
595	Loulu	<i>Pritchardia schattaueri</i>	E	13.70	\$379,661.27	99.22%
595	<i>Platanthera holochila (=Sci. name)</i>	<i>Platanthera holochila</i>	E	13.70	\$379,674.97	99.22%
598	<i>Achyranthes mutica (=Sci. name)</i>	<i>Achyranthes mutica</i>	E	13.65	\$379,688.62	99.23%
598	<i>Phyllostegia velutina (=Sci. name)</i>	<i>Phyllostegia velutina</i>	E	13.65	\$379,702.27	99.23%
598	<i>Phyllostegia warshaueri (=Sci. name)</i>	<i>Phyllostegia warshaueri</i>	E	13.65	\$379,715.92	99.23%
601	<i>Gouania vitifolia (=Sci name)</i>	<i>Gouania vitifolia</i>	E	13.60	\$379,729.52	99.24%
601	Haha	<i>Cyanea recta</i>	T	13.60	\$379,743.12	99.24%
601	Kolea	<i>Myrsine linearifolia</i>	T	13.60	\$379,756.72	99.24%
604	Ha iwale	<i>Cyrtandra crenata</i>	E	13.55	\$379,770.27	99.25%
605	Moccasinshell, Coosa	<i>Medionidus parvulus</i>	E	13.50	\$379,783.77	99.25%
605	`Akoko	<i>Chamaesyce deppeana</i>	E	13.50	\$379,797.27	99.25%
605	A`e	<i>Zanthoxylum dipetalum var. tomentosum</i>	E	13.50	\$379,810.77	99.26%
605	Alani	<i>Melicope saint-johnii</i>	E	13.50	\$379,824.27	99.26%
605	Aupaka	<i>Isodendron longifolium</i>	T	13.50	\$379,837.77	99.26%
605	Cactus, Wright fishhook	<i>Sclerocactus wrightiae</i>	E	13.50	\$379,851.27	99.27%
605	<i>Gouania meyenii (=Sci name)</i>	<i>Gouania meyenii</i>	E	13.50	\$379,864.77	99.27%
605	Haha	<i>Cyanea platyphylla</i>	E	13.50	\$379,878.27	99.27%

**TABLE 2. SPECIES RANKED IN DESCENDING ORDER OF TOTAL FY 1998 REPORTED EXPENDITURES (\$000)**

RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	SPECIES TOTAL (\$000)	CUMULATIVE TOTAL	CUMULATIVE PERCENT
605	Koki`oke`oke`o	Hibiscus waimeae ssp. hannerae	E	13.50	\$379,891.77	99.28%
605	Kuawawaenuhu	Alsindendron lychnoides	E	13.50	\$379,905.27	99.28%
605	Laulihilihi (=Ma`oli`oli)	Schiedea stellarioides	E	13.50	\$379,918.77	99.29%
605	Mapele	Cyrtandra cyaneoides	E	13.50	\$379,932.27	99.29%
605	Nani wai`ale`ale	Viola kauaiensis var. wahiawaensis	E	13.50	\$379,945.77	99.29%
605	Phyllostegia wawrana , (=Sci. name)	Phyllostegia wawrana	E	13.50	\$379,959.27	99.30%
605	Schiedea helleri , (=Sci. name)	Schiedea helleri	E	13.50	\$379,972.77	99.30%
605	Schiedea membranacea , (=Sci. name)	Schiedea membranacea	E	13.50	\$379,986.27	99.30%
605	Trematolobelia singularis (=Sci. name)	Trematolobelia singularis	E	13.50	\$379,999.77	99.31%
622	Ma`aloa, Big Island	Neraudia ovata	E	13.40	\$380,013.17	99.31%
623	Pigtoe, Cumberland (=Cumberland pigtoe mussel)	Pleurobema gibberum	E	13.30	\$380,026.47	99.31%
623	Crayfish, Nashville	Orconectes shoupi	E	13.30	\$380,039.77	99.32%
623	Agave, Arizona	Agave arizonica	E	13.30	\$380,053.07	99.32%
626	Rabbitsfoot, rough	Quadrula cylindrica strigillata	E	13.26	\$380,066.33	99.32%
627	Kiponapona	Phyllostegia racemosa	E	13.20	\$380,079.53	99.33%
628	Hedyotis degeneri (=Sci name)	Hedyotis degeneri	E	13.15	\$380,092.68	99.33%
629	Haha	Cyanea pinnatifida	E	13.10	\$380,105.78	99.33%
629	Loulu	Pritchardia napaliensis	E	13.10	\$380,118.88	99.34%
631	Haha	Cyanea dunbarii	E	13.05	\$380,131.93	99.34%
631	Love grass, Fosberg's	Eragrostis fosbergii	E	13.05	\$380,144.98	99.34%
631	Stenogyne kanehoana (=Sci name)	Stenogyne kanehoana	E	13.05	\$380,158.03	99.35%
634	`Anunu	Sicyos alba	E	13.00	\$380,171.03	99.35%
634	`Oha wai	Clermontia drepanomorpha	E	13.00	\$380,184.03	99.35%
634	Alani	Melicope zahlbruckneri	E	13.00	\$380,197.03	99.36%
634	Goldenrod, white-haired	Solidago albopilosa	T	13.00	\$380,210.03	99.36%
634	Lau`ehu	Panicum niihauense	E	13.00	\$380,223.03	99.36%
634	Schiedea kauaiensis (=Sci. name)	Schiedea kauaiensis	E	13.00	\$380,236.03	99.37%
640	Combsshell, Cumberlandian	Epioblasma brevidens	E	12.98	\$380,249.01	99.37%
641	Pearlymussel, Cumberland monkeyface	Quadrula intermedia	E	12.76	\$380,261.77	99.37%
642	Loulu	Pritchardia kaalae	E	12.60	\$380,274.37	99.38%
643	`Akoko	Chamaesyce herbstii	E	12.50	\$380,286.87	99.38%
643	`Akoko	Chamaesyce kuwaleana	E	12.50	\$380,299.37	99.38%
643	Abutilon sandwicense (=Sci name)	Abutilon sandwicense	E	12.50	\$380,311.87	99.39%
643	Ipomopsis, Holy Ghost	Ipomopsis sancti-spiritus	E	12.50	\$380,324.37	99.39%



**TABLE 2. SPECIES RANKED IN DESCENDING ORDER OF TOTAL FY 1998 REPORTED EXPENDITURES (\$000)**

RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	SPECIES TOTAL (\$000)	CUMULATIVE TOTAL	CUMULATIVE PERCENT
643	Nehe	Lipochaeta lobata var. leptophylla	E	12.50	\$380,336.87	99.39%
643	Neraudia sericea (=Sci name)	Neraudia sericea	E	12.50	\$380,349.37	99.40%
643	Pamakani	Viola chamissoniana ssp. chamissoniana	E	12.50	\$380,361.87	99.40%
643	Roseroot, Leedy's	Sedum integrifolium ssp. leedyi	T	12.50	\$380,374.37	99.40%
643	Schiedea sarmentosa (=Sci. name)	Schiedea sarmentosa	E	12.50	\$380,386.87	99.41%
643	Asplenium fragile var. insulare (=Sci name)	Asplenium fragile var. insulare	E	12.50	\$380,399.37	99.41%
643	Diellia unisora (=Sci name)	Diellia unisora	E	12.50	\$380,411.87	99.41%
654	Pigtoe, fine-rayed	Fusconaia cuneolus	E	12.46	\$380,424.32	99.42%
655	Darter, goldline	Percina aurolineata	T	12.45	\$380,436.77	99.42%
656	Cliff-rose, Arizona	Purshia subintegra	E	12.40	\$380,449.17	99.42%
657	Lichen, rock gnome	Gymnoderma lineare	E	12.20	\$380,461.37	99.43%
658	Clarkia, Springville	Clarkia springvillensis	T	12.10	\$380,473.47	99.43%
658	Chub, Yaqui	Gila purpurea	E	12.10	\$380,485.57	99.43%
660	Coqui, golden	Eleutherodactylus jasperi	T	12.00	\$380,497.57	99.44%
660	Moccasinshell, Ochlockonee	Medionidus simpsonianus	E	12.00	\$380,509.57	99.44%
660	Evening-primrose, Eureka Valley	Oenothera avita ssp. eurekaensis	E	12.00	\$380,521.57	99.44%
660	Grass, Eureka Dune	Swallenia alexandrae	E	12.00	\$380,533.57	99.45%
660	Kauai hau kuahiwi	Hibiscadelphus distans	E	12.00	\$380,545.57	99.45%
665	Sedge, Navajo	Carex specuicola	T	11.90	\$380,557.47	99.45%
666	Pocketbook (mussel), shinyrayed	Lampsilis subangulata	E	11.87	\$380,569.35	99.46%
667	Blazingstar, Heller's	Liatris helleri	T	11.60	\$380,580.95	99.46%
668	Petrel, Hawaiian dark-rumped	Pterodroma phaeopygia sandwichensis	E	11.50	\$380,592.45	99.46%
668	Pupfish, Comanche Springs	Cyprinodon elegans	E	11.50	\$380,603.95	99.46%
668	Cinquefoil, Robbins'	Potentilla robbinsiana	E	11.50	\$380,615.45	99.47%
671	Cactus, Arizona hedgehog	Echinocereus triglochidiatus var. arizonicus	E	11.30	\$380,626.75	99.47%
672	Madtom, Smoky	Noturus baileyi	E	11.20	\$380,637.95	99.47%
673	Madtom, Scioto	Noturus trautmani	E	11.00	\$380,648.95	99.48%
673	Whitlow-wort, papery	Paronychia chartacea	T	11.00	\$380,659.95	99.48%
675	Turtle, flattened musk	Sternotherus depressus	T	10.89	\$380,670.83	99.48%
676	Trout, Paiute cutthroat	Oncorhynchus clarki seleniris	T	10.80	\$380,681.63	99.48%
677	Elktoe, Cumberland	Alasmidonta atropurpurea	E	10.67	\$380,692.30	99.49%
678	Pearlymussel, Appalachian monkeyface	Quadrula sparsa	E	10.60	\$380,702.90	99.49%
678	Pearlymussel, dromedary	Dromus dromas	E	10.60	\$380,713.50	99.49%
680	Pearlymussel, tubercled-blossom	Epioblasma torulosa torulosa	E	10.50	\$380,724.00	99.50%

**TABLE 2. SPECIES RANKED IN DESCENDING ORDER OF TOTAL FY 1998 REPORTED EXPENDITURES (\$000)**

RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	SPECIES TOTAL (\$000)	CUMULATIVE TOTAL	CUMULATIVE PERCENT
680	Pitcher-plant, Alabama canebrake	<i>Sarracenia rubra</i> ssp. <i>alabamensis</i>	E	10.50	\$380,734.50	99.50%
682	Pigtoe, shiny	<i>Fusconaia cor</i>	E	10.36	\$380,744.86	99.50%
683	Milk-vetch, Sentry	<i>Astragalus cremnophylax</i> var. <i>cremnophylax</i>	E	10.30	\$380,755.16	99.50%
684	Poolfish, Pahrump	<i>Empetrichthys latos</i>	E	10.26	\$380,765.42	99.51%
685	Torreyia, Florida	<i>Torreyia taxifolia</i>	E	10.20	\$380,775.62	99.51%
686	Fern, American hart's-tongue	<i>Asplenium scolopendrium</i> var. <i>americanum</i>	T	10.04	\$380,785.65	99.51%
687	Nightjar, Puerto Rican	<i>Caprimulgus noctitherus</i>	E	10.00	\$380,795.65	99.51%
687	Cactus, bunched cory	<i>Coryphantha ramillosa</i>	T	10.00	\$380,805.65	99.52%
687	Cactus, Lee pincushion	<i>Coryphantha sneedii</i> var. <i>leei</i>	T	10.00	\$380,815.65	99.52%
690	Kio'ele	<i>Hedyotis coriacea</i>	E	9.99	\$380,825.65	99.52%
691	Isopod, Socorro	<i>Thermosphaeroma thermophilus</i>	E	9.83	\$380,835.48	99.52%
692	Bean, purple (=Fine-rayed purple pearly mussel)	<i>Villosa perpurpurea</i>	E	9.83	\$380,845.31	99.53%
693	Dace, Ash Meadows speckled	<i>Rhinichthys osculus nevadensis</i>	E	9.65	\$380,854.96	99.53%
694	Seal, Caribbean monk	<i>Monachus tropicalis</i>	E	9.60	\$380,864.56	99.53%
694	Townsendia, Last Chance	<i>Townsendia aprica</i>	T	9.60	\$380,874.16	99.53%
696	Pearlymussel, cracking	<i>Hemistena lata</i>	E	9.50	\$380,883.66	99.54%
696	Crayfish, cave [no common name]	<i>Cambarus zophonastes</i>	E	9.50	\$380,893.16	99.54%
696	Warea, wide-leaf	<i>Warea amplexifolia</i>	E	9.50	\$380,902.66	99.54%
699	Haplostachys haplostachya (=Sci name)	<i>Haplostachys haplostachya</i>	E	9.44	\$380,912.10	99.54%
699	Stenogyne angustifolia (=Sci name)	<i>Stenogyne angustifolia</i>	E	9.44	\$380,921.55	99.55%
701	Malacothrix, Santa Cruz Island	<i>Malacothrix indecora</i>	E	9.40	\$380,930.95	99.55%
701	Milk-vetch, Osterhout	<i>Astragalus osterhoutii</i>	E	9.40	\$380,940.35	99.55%
701	Phacelia, island	<i>Phacelia insularis</i> var. <i>insularis</i>	E	9.40	\$380,949.75	99.55%
704	Orcutt grass, Sacramento	<i>Orcuttia viscida</i>	E	9.30	\$380,959.05	99.56%
705	Cactus, Siler pincushion	<i>Pediocactus sileri</i>	T	9.20	\$380,968.25	99.56%
706	Dropwort, Canby's	<i>Oxypolis canbyi</i>	E	9.10	\$380,977.35	99.56%
707	Kangaroo rat, Morro Bay	<i>Dipodomys heermanni morroensis</i>	E	9.00	\$380,986.35	99.56%
707	Iguana, Mona ground	<i>Cyclura stejnegeri</i>	T	9.00	\$380,995.35	99.57%
707	Pearlymussel, pale lilliput	<i>Toxolasma cylindrellus</i>	E	9.00	\$381,004.35	99.57%
707	Cactus, Lloyd's Mariposa	<i>Echinomastus mariposensis</i>	T	9.00	\$381,013.35	99.57%
707	Cactus, Peebles Navajo	<i>Pediocactus peeblesianus</i> var. <i>peeblesianus</i>	E	9.00	\$381,022.35	99.57%
707	Centaury, spring-loving	<i>Centaureum namophilum</i>	T	9.00	\$381,031.35	99.58%
707	Geocarpon minimum (=Sci name)	<i>Geocarpon minimum</i>	T	9.00	\$381,040.35	99.58%
707	Hypericum, highlands scrub	<i>Hypericum cumulicola</i>	E	9.00	\$381,049.35	99.58%

**TABLE 2. SPECIES RANKED IN DESCENDING ORDER OF TOTAL FY 1998 REPORTED EXPENDITURES (\$000)**

RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	SPECIES TOTAL (\$000)	CUMULATIVE TOTAL	CUMULATIVE PERCENT
707	Milk-vetch, heliotrope	<i>Astragalus montii</i>	T	9.00	\$381,058.35	99.58%
707	Niterwort, Amargosa	<i>Nitrophila mohavensis</i>	E	9.00	\$381,067.35	99.59%
707	Snakeroot	<i>Eryngium cuneifolium</i>	E	9.00	\$381,076.35	99.59%
707	Cladonia, Florida perforate	<i>Cladonia perforata</i>	E	9.00	\$381,085.35	99.59%
719	Goldfields, Burke's	<i>Lasthenia burkei</i>	E	8.80	\$381,094.15	99.59%
720	Bluet, Roan Mountain	<i>Hedyotis purpurea</i> var. <i>montana</i>	E	8.70	\$381,102.85	99.59%
720	Goldenrod, Blue Ridge	<i>Solidago spithamea</i>	T	8.70	\$381,111.55	99.60%
720	Spurge, Garber's	<i>Chamaesyce garberi</i>	T	8.70	\$381,120.25	99.60%
720	Vetch, Hawaiian	<i>Vicia menziesii</i>	E	8.70	\$381,128.95	99.60%
724	<i>Delissea rhytidosperma</i> (=Sci name)	<i>Delissea rhytidosperma</i>	E	8.50	\$381,137.45	99.60%
724	Heather, mountain golden	<i>Hudsonia montana</i>	T	8.50	\$381,145.95	99.61%
724	Wawae'iole	<i>Huperzia mannii</i>	E	8.50	\$381,154.45	99.61%
727	Loulu	<i>Pritchardia affinis</i>	E	8.40	\$381,162.85	99.61%
728	Whipsnake, (=striped racer) Alameda	<i>Masticophis lateralis euryxanthus</i>	T	8.30	\$381,171.15	99.61%
728	Goldenrod, Short's	<i>Solidago shortii</i>	E	8.30	\$381,179.45	99.61%
730	Pearlymussel, yellow-blossom	<i>Epioblasma florentina florentina</i>	E	8.10	\$381,187.55	99.62%
730	Phacelia, North Park	<i>Phacelia formosula</i>	E	8.10	\$381,195.65	99.62%
732	Daisy, lakeside	<i>Hymenoxys herbacea</i> (=acaulis var. <i>glabra</i> ^)	T	8.06	\$381,203.71	99.62%
733	Boa, Mona	<i>Epicrates monensis monensis</i>	T	8.00	\$381,211.71	99.62%
733	Boa, Virgin Islands tree	<i>Epicrates monensis granti</i>	E	8.00	\$381,219.71	99.63%
733	Guajon	<i>Eleutherodactylus cooki</i>	T	8.00	\$381,227.71	99.63%
733	Pigtoe, dark	<i>Pleurobema furvum</i>	E	8.00	\$381,235.71	99.63%
733	Blue-star, Kearney's	<i>Amsonia kearneyana</i>	E	8.00	\$381,243.71	99.63%
733	Cactus, Nichol's Turk's head	<i>Echinocactus horizontalonius</i> var. <i>nicholii</i>	E	8.00	\$381,251.71	99.63%
733	Haha	<i>Cyanea hamatiflora</i> ssp. <i>carlsonii</i>	E	8.00	\$381,259.71	99.64%
733	Mallow, Peter's Mountain	<i>Iliamna corei</i>	E	8.00	\$381,267.71	99.64%
733	Po`e	<i>Portulaca sclerocarpa</i>	E	8.00	\$381,275.71	99.64%
733	Wire-lettuce, Malheur	<i>Stephanomeria malheurensis</i>	E	8.00	\$381,283.71	99.64%
733	Wireweed	<i>Polygonella basiramia</i>	E	8.00	\$381,291.71	99.64%
744	Rock-cress, shale barren	<i>Arabis serotina</i>	E	7.90	\$381,299.61	99.65%
745	Pearlymussel, white wartyback	<i>Plethobasus cicatricosus</i>	E	7.90	\$381,307.51	99.65%
746	Pupfish, Warm Springs	<i>Cyprinodon nevadensis pectoralis</i>	E	7.50	\$381,315.01	99.65%
746	<i>Viola lanaiensis</i> (=Sci name)	<i>Viola lanaiensis</i>	E	7.50	\$381,322.51	99.65%
748	Lousewort, Furbish	<i>Pedicularis furbishiae</i>	E	7.50	\$381,330.01	99.65%

**TABLE 2. SPECIES RANKED IN DESCENDING ORDER OF TOTAL FY 1998 REPORTED EXPENDITURES (\$000)**

RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	SPECIES TOTAL (\$000)	CUMULATIVE TOTAL	CUMULATIVE PERCENT
749	Sheep, bighorn (Peninsular Ranges pop. in CA)	Ovis canadensis cremnobates	E	7.37	\$381,337.38	99.66%
750	Kaulu	Pteralyxia kauaiensis	E	7.30	\$381,344.68	99.66%
750	Bladderpod, Dudley Bluffs	Lesquerella congesta	T	7.30	\$381,351.98	99.66%
750	Bush-mallow, San Clemente Island	Malacothamnus clementinus	E	7.30	\$381,359.28	99.66%
750	Grass, Colusa	Neostapfia colusana	T	7.30	\$381,366.58	99.66%
750	Orcutt grass, San Joaquin	Orcuttia inaequalis	T	7.30	\$381,373.88	99.67%
750	Owl's-clover, fleshy	Castilleja campestris ssp. succulenta	T	7.30	\$381,381.18	99.67%
756	Mustard, Penland alpine fen	Eutrema penlandii	T	7.20	\$381,388.38	99.67%
757	Mouse, Anastasia Island beach	Peromyscus polionotus phasma	E	7.00	\$381,395.38	99.67%
757	Lizard, St. Croix ground	Ameiva polops	E	7.00	\$381,402.38	99.67%
757	Snail, Chittenango ovate amber	Succinea chittenangoensis	T	7.00	\$381,409.38	99.67%
757	Blazingstar, Ash Meadows	Mentzelia leucophylla	T	7.00	\$381,416.38	99.68%
757	Cordia bellonis	Cordia bellonis	E	7.00	\$381,423.38	99.68%
757	Eugenia woodburyana (=Sci name)	Eugenia woodburyana	E	7.00	\$381,430.38	99.68%
757	Geranium, Hawaiian red-flowered	Geranium arboreum	E	7.00	\$381,437.38	99.68%
757	Gesneria pauciflora (=Sci name)	Gesneria pauciflora	T	7.00	\$381,444.38	99.68%
757	Gumplant, Ash Meadows	Grindelia fraxino-pratensis	T	7.00	\$381,451.38	99.69%
757	Ivesia, Ash Meadows	Ivesia kingii var. eremica	T	7.00	\$381,458.38	99.69%
757	Mahoe	Alectryon macrococcus	E	7.00	\$381,465.38	99.69%
757	Manzanita, Santa Rosa Island	Arctostaphylos confertiflora	E	7.00	\$381,472.38	99.69%
757	Milk-vetch, Ash meadows	Astragalus phoenix	T	7.00	\$381,479.38	99.69%
757	Rosa, palo de	Ottoschulzia rhodoxylon	E	7.00	\$381,486.38	99.69%
757	Sunray, Ash Meadows	Enceliopsis nudicaulis var. corrugata	T	7.00	\$381,493.38	99.70%
757	Vernonia proctorii (=Sci name)	Vernonia proctorii	E	7.00	\$381,500.38	99.70%
773	Ko`oko`olau	Bidens micrantha ssp. kalealaha	E	6.90	\$381,507.28	99.70%
774	Darter, bluemask (=jewel)	Etheostoma (Doration) sp.	E	6.60	\$381,513.88	99.70%
774	Pearlymussel, green-blossom	Epioblasma torulosa gubernaculum	E	6.60	\$381,520.48	99.70%
774	Pearlymussel, turgid-blossom	Epioblasma turgidula	E	6.60	\$381,527.08	99.71%
774	Gilia, Hoffmann's slender-flowered	Gilia tenuiflora ssp. hoffmannii	E	6.60	\$381,533.68	99.71%
778	Chub, Chihuahua	Gila nigrescens	T	6.50	\$381,540.18	99.71%
778	Pigtoe, rough	Pleurobema plenum	E	6.50	\$381,546.68	99.71%
778	Springsnail, Socorro	Pyrgulopsis neomexicana	E	6.50	\$381,553.18	99.71%
778	Beauty, Harper's	Harperocallis flava	E	6.50	\$381,559.68	99.71%
778	Lead-plant, Crenulate	Amorpha crenulata	E	6.50	\$381,566.18	99.72%

**TABLE 2. SPECIES RANKED IN DESCENDING ORDER OF TOTAL FY 1998 REPORTED EXPENDITURES (\$000)**

RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	SPECIES TOTAL (\$000)	CUMULATIVE TOTAL	CUMULATIVE PERCENT
778	Milkpea, Small's	Galactia smallii	E	6.50	\$381,572.68	99.72%
778	Pawpaw, four-petal	Asimina tetramera	E	6.50	\$381,579.18	99.72%
778	Polygala, tiny	Polygala smallii	E	6.50	\$381,585.68	99.72%
778	Rosemary, Apalachicola	Conradina glabra	E	6.50	\$381,592.18	99.72%
778	Spurge, deltoid	Chamaesyce deltoidea ssp. deltoidea	E	6.50	\$381,598.68	99.72%
788	Twinpod, Dudley Bluffs	Physaria obcordata	T	6.40	\$381,605.08	99.73%
789	Delissea undulata (=Sci name)	Delissea undulata	E	6.30	\$381,611.38	99.73%
789	Beetle, delta green ground	Elaphrus viridis	T	6.30	\$381,617.68	99.73%
789	Butterfly, callippe silverspot	Speyeria callippe callippe	E	6.30	\$381,623.98	99.73%
789	Butterfly, Lange's metalmark	Apodemia mormo langei	E	6.30	\$381,630.28	99.73%
789	Wild-buckwheat, clay-loving	Eriogonum pelinophilum	E	6.30	\$381,636.58	99.73%
794	Grass, Tennessee yellow-eyed	Xyris tennesseensis	E	6.10	\$381,642.68	99.74%
794	Primrose, Maguire	Primula maguirei	T	6.10	\$381,648.78	99.74%
796	Button, Mohr's Barbara	Marshallia mohrii	T	6.03	\$381,654.81	99.74%
797	Catfish, Yaqui	Ictalurus pricei	T	6.00	\$381,660.81	99.74%
797	Shiner, beautiful	Cyprinella formosa	T	6.00	\$381,666.81	99.74%
797	Aiea	Nothoecstrum breviflorum	E	6.00	\$381,672.81	99.74%
797	Ambrosia, south Texas	Ambrosia cheiranthifolia	E	6.00	\$381,678.81	99.75%
797	Bird's-beak, salt marsh	Cordylanthus maritimus ssp. maritimus	E	6.00	\$381,684.81	99.75%
797	Blazingstar, scrub	Liatris ohlingerae	E	6.00	\$381,690.81	99.75%
797	Chumbo, higo	Harrisia portoricensis	T	6.00	\$381,696.81	99.75%
797	Erubia	Solanum drymophilum	E	6.00	\$381,702.81	99.75%
797	Evening-primrose, San Benito	Camissonia benitensis	T	6.00	\$381,708.81	99.75%
797	Manioc, Walker's	Manihot walkerae	E	6.00	\$381,714.81	99.75%
797	Pitaya, Davis' green	Echinocereus viridiflorus var. davisii	E	6.00	\$381,720.81	99.76%
797	Plum, scrub	Prunus geniculata	E	6.00	\$381,726.81	99.76%
797	Spineflower, Monterey	Chorizanthe pungens var. pungens	T	6.00	\$381,732.81	99.76%
797	Tree, pygmy fringe	Chionanthus pygmaeus	E	6.00	\$381,738.81	99.76%
811	Capa rosa	Callicarpa ampla	E	5.80	\$381,744.61	99.76%
811	Chupacallos (=Chupagallo)	Pleodendron macranthum	E	5.80	\$381,750.41	99.76%
813	Sculpin, pygmy	Cottus pygmaeus	T	5.70	\$381,756.11	99.77%
813	Gooseberry, Miccosukee (Florida)	Ribes echinellum	T	5.70	\$381,761.81	99.77%
815	Munroidendron racemosum (=Sci name)	Munroidendron racemosum	E	5.60	\$381,767.41	99.77%
816	Heartleaf, dwarf-flowered	Hexastylis naniflora	T	5.59	\$381,773.00	99.77%

**TABLE 2. SPECIES RANKED IN DESCENDING ORDER OF TOTAL FY 1998 REPORTED EXPENDITURES (\$000)**

RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	SPECIES TOTAL (\$000)	CUMULATIVE TOTAL	CUMULATIVE PERCENT
817	Chub, slender	<i>Erimystax cahni</i>	T	5.56	\$381,778.55	99.77%
818	Chub, Borax Lake	<i>Gila boraxobius</i>	E	5.50	\$381,784.05	99.77%
818	Madtom, pygmy	<i>Noturus stanauli</i>	E	5.50	\$381,789.55	99.77%
818	Chaff-flower, round-leaved	<i>Achyranthes splendens</i> var. <i>rotundata</i>	E	5.50	\$381,795.05	99.78%
821	Butterfly, San Bruno elfin	<i>Callophrys mossii bayensis</i>	E	5.30	\$381,800.35	99.78%
821	Evening-primrose, Antioch Dunes	<i>Oenothera deltoides</i> ssp. <i>howellii</i>	E	5.30	\$381,805.65	99.78%
821	Fiddleneck, Large-flowered	<i>Amsinckia grandiflora</i>	E	5.30	\$381,810.95	99.78%
821	Sunshine, Sonoma (=Stickseed, Baker's)	<i>Blennosperma bakeri</i>	E	5.30	\$381,816.25	99.78%
821	Trillium, persistent	<i>Trillium persistens</i>	E	5.30	\$381,821.55	99.78%
821	Wallflower, Contra Costa	<i>Erysimum capitatum</i> var. <i>angustatum</i>	E	5.30	\$381,826.85	99.78%
827	Skink, sand	<i>Neoseps reynoldsi</i>	T	5.20	\$381,832.05	99.79%
828	Beaked-rush, Knieskern's	<i>Rhynchospora knieskernii</i>	T	5.10	\$381,837.15	99.79%
829	^Aiakeakua, popolo	<i>Solanum sandwicense</i>	E	5.03	\$381,842.18	99.79%
830	Snake, Concho water	<i>Nerodia paucimaculata</i>	T	5.00	\$381,847.18	99.79%
830	Darter, slackwater	<i>Etheostoma boschungii</i>	T	5.00	\$381,852.18	99.79%
830	Aristida chaseae (=Sci name)	<i>Aristida chaseae</i>	E	5.00	\$381,857.18	99.79%
830	Bariaco	<i>Trichilia triacantha</i>	E	5.00	\$381,862.18	99.79%
830	Boxwood, Vahl's	<i>Buxus vahlii</i>	E	5.00	\$381,867.18	99.79%
830	Chamaecrista glandulosa var. mirabilis (=Sci)	<i>Chamaecrista glandulosa</i> var. <i>mirabilis</i>	E	5.00	\$381,872.18	99.80%
830	Goetzea, beautiful (matabuey)	<i>Goetzea elegans</i>	E	5.00	\$381,877.18	99.80%
830	Higuero de Sierra	<i>Crescentia portoricensis</i>	E	5.00	\$381,882.18	99.80%
830	Kuahiwi, laukahi	<i>Plantago hawaiiensis</i>	E	5.00	\$381,887.18	99.80%
830	<i>Lyonia truncata</i> var. <i>proctorii</i> (=Sci name)	<i>Lyonia truncata</i> var. <i>proctorii</i>	E	5.00	\$381,892.18	99.80%
830	<i>Mitracarpus maxwelliae</i> (=Sci name)	<i>Mitracarpus maxwelliae</i>	E	5.00	\$381,897.18	99.80%
830	<i>Mitracarpus polycladus</i> (=Sci name)	<i>Mitracarpus polycladus</i>	E	5.00	\$381,902.18	99.80%
830	Pelos del diablo	<i>Aristida portoricensis</i>	E	5.00	\$381,907.18	99.80%
830	Prairie-clover, leafy	<i>Dalea foliosa</i>	E	5.00	\$381,912.18	99.81%
830	<i>Schoepfia arenaria</i> (=Sci name)	<i>Schoepfia arenaria</i>	T	5.00	\$381,917.18	99.81%
845	Cycladenia, Jones	<i>Cycladenia humilis</i> var. <i>jonesii</i>	T	4.90	\$381,922.08	99.81%
846	Uvillo	<i>Eugenia haematocarpa</i>	E	4.80	\$381,926.88	99.81%
847	Whale, finback	<i>Balaenoptera physalus</i>	E	4.75	\$381,931.63	99.81%
847	Whale, Sei	<i>Balaenoptera borealis</i>	E	4.75	\$381,936.38	99.81%
847	Whale, sperm	<i>Physeter macrocephalus</i> (=catodon)	E	4.75	\$381,941.13	99.81%
850	Barberry, island	<i>Berberis pinnata</i> ssp. <i>insularis</i>	E	4.50	\$381,945.63	99.81%

**TABLE 2. SPECIES RANKED IN DESCENDING ORDER OF TOTAL FY 1998 REPORTED EXPENDITURES (\$000)**

RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	SPECIES TOTAL (\$000)	CUMULATIVE TOTAL	CUMULATIVE PERCENT
850	Lupine, scrub	Lupinus aridorum	E	4.50	\$381,950.13	99.82%
850	Skullcap, Florida	Scutellaria floridana	T	4.50	\$381,954.63	99.82%
853	Riversnail, Anthony's	Athearnia anthonyi	E	4.42	\$381,959.05	99.82%
854	Palo de jazmin	Styrax portoricensis	E	4.40	\$381,963.45	99.82%
855	Buckwheat, steamboat	Eriogonum ovalifolium var. williamsiae	E	4.30	\$381,967.75	99.82%
855	Goldfields, Contra Costa	Lasthenia conjugens	E	4.30	\$381,972.05	99.82%
855	Haha	Cyanea lobata	E	4.30	\$381,976.35	99.82%
855	Diellia pallida (=laciniata) (=Sci name)	Diellia pallida (=laciniata)	E	4.30	\$381,980.65	99.82%
859	Whale, blue	Balaenoptera musculus	E	4.25	\$381,984.90	99.83%
860	Shagreen, Magazine Mountain	Mesodon magazinensis	T	4.10	\$381,989.00	99.83%
860	Haha	Cyanea stictophylla	E	4.10	\$381,993.10	99.83%
860	Ischaemum, Hilo	Ischaemum byrone	E	4.10	\$381,997.20	99.83%
860	Kamakahala	Labordia lydgatei	E	4.10	\$382,001.30	99.83%
860	Poppy-mallow, Texas	Callirhoe scabruscula	E	4.10	\$382,005.40	99.83%
865	Naucorid, Ash Meadows	Ambryosus amargosus	T	4.00	\$382,009.40	99.83%
865	Isopod, Lee County cave	Lirceus usdagalun	E	4.00	\$382,013.40	99.83%
865	A' e	Zanthoxylum hawaiiense	E	4.00	\$382,017.40	99.83%
865	Alani	Melicope haupeensis	E	4.00	\$382,021.40	99.83%
865	Alani	Melicope quadrangularis	E	4.00	\$382,025.40	99.84%
865	Auerodendron pauciflorum (=Sci name)	Auerodendron pauciflorum	E	4.00	\$382,029.40	99.84%
865	Bluegrass, San Bernardino	Poa atropurpurea	E	4.00	\$382,033.40	99.84%
865	Calyptanthes thomasiana (=Sci name)	Calyptanthes thomasiana	E	4.00	\$382,037.40	99.84%
865	Cyanea undulata (=Sci name)	Cyanea undulata	E	4.00	\$382,041.40	99.84%
865	Haha	Cyanea asarifolia	E	4.00	\$382,045.40	99.84%
865	Lepanthes eltoroensis (=Sci name)	Lepanthes eltoroensis	E	4.00	\$382,049.40	99.84%
865	Leptocereus grantianus (=Sci name)	Leptocereus grantianus	E	4.00	\$382,053.40	99.84%
865	Makou	Peucedanum sandwicense	T	4.00	\$382,057.40	99.84%
865	Negra, cobana	Stahlia monosperma	T	4.00	\$382,061.40	99.85%
865	Palo de Nigua	Cornutia obovata	E	4.00	\$382,065.40	99.85%
865	Peperomia, Wheeler's	Peperomia wheeleri	E	4.00	\$382,069.40	99.85%
865	Phyllostegia waimeae (=Sci name)	Phyllostegia waimeae	E	4.00	\$382,073.40	99.85%
865	Poa siphonoglossa (=Sci name)	Poa siphonoglossa	E	4.00	\$382,077.40	99.85%
865	Stenogyne campanulata (=Sci name)	Stenogyne campanulata	E	4.00	\$382,081.40	99.85%
865	Ternstroemia subsessilis (=Sci name)	Ternstroemia subsessilis	E	4.00	\$382,085.40	99.85%

**TABLE 2. SPECIES RANKED IN DESCENDING ORDER OF TOTAL FY 1998 REPORTED EXPENDITURES (\$000)**

RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	SPECIES TOTAL (\$000)	CUMULATIVE TOTAL	CUMULATIVE PERCENT
865	Xylosma crenatum (=Sci name)	Xylosma crenatum	E	4.00	\$382,089.40	99.85%
886	Spider, spruce-fir moss	Microhexura montivaga	E	3.90	\$382,093.30	99.85%
887	Dace, Kendall Warm Springs	Rhinichthys osculus thermalis	E	3.80	\$382,097.10	99.85%
887	Darter, bayou	Etheostoma rubrum	T	3.80	\$382,100.90	99.86%
887	Palo colorado	Ternstroemia luquillensis	E	3.80	\$382,104.70	99.86%
890	Fatmucket, Arkansas	Lampsilis powelli	T	3.70	\$382,108.40	99.86%
891	Pigtoe, heavy (=Judge Tait's mussel)	Pleurobema taitianum	E	3.70	\$382,112.10	99.86%
892	Snail, flat-spined three-toothed	Triodopsis platysayoides	T	3.67	\$382,115.76	99.86%
893	Ha`iwale	Cyrtandra limahuliensis	T	3.65	\$382,119.41	99.86%
894	Heau	Exocarpos luteolus	E	3.60	\$382,123.01	99.86%
894	Viola helenae (=Sci name)	Viola helenae	E	3.60	\$382,126.61	99.86%
896	Haha	Cyanea shipmannii	E	3.55	\$382,130.16	99.86%
897	Springsnail, Alamosa	Tryonia alamosae	E	3.50	\$382,133.66	99.86%
897	`Aiea	Nothoctrum peltatum	E	3.50	\$382,137.16	99.86%
897	`Oha wai	Clermontia peleana	E	3.50	\$382,140.66	99.87%
897	`Oha wai	Clermontia pyrularia	E	3.50	\$382,144.16	99.87%
897	Alani	Melicope knudsenii	E	3.50	\$382,147.66	99.87%
897	Alani	Melicope pallida	E	3.50	\$382,151.16	99.87%
897	Bluegrass, Hawaiian	Poa sandvicensis	E	3.50	\$382,154.66	99.87%
897	Bluegrass, Mann's	Poa mannii	E	3.50	\$382,158.16	99.87%
897	Chamaesyce halemanui (=Sci name)	Chamaesyce halemanui	E	3.50	\$382,161.66	99.87%
897	Dubautia latifolia (=Sci name)	Dubautia latifolia	E	3.50	\$382,165.16	99.87%
897	Ha`iwale	Cyrtandra tintinnabula	E	3.50	\$382,168.66	99.87%
897	Haha	Cyanea copelandii ssp. copelandii	E	3.50	\$382,172.16	99.87%
897	Hesperomannia lydgatei (=Sci name)	Hesperomannia lydgatei	E	3.50	\$382,175.66	99.87%
897	Holei	Ochrosia kilaueaensis	E	3.50	\$382,179.16	99.88%
897	Iliau, dwarf	Wilkesia hobbyi	E	3.50	\$382,182.66	99.88%
897	Lysimachia filifolia (=Sci name)	Lysimachia filifolia	E	3.50	\$382,186.16	99.88%
897	Mint, Garrett's (=scrub, in part)	Dicerandra christmanii	E	3.50	\$382,189.66	99.88%
897	Mint, scrub	Dicerandra frutescens	E	3.50	\$382,193.16	99.88%
897	Mustard, Carter's	Warea carteri	E	3.50	\$382,196.66	99.88%
897	Nehe	Lipochaeta fauriei	E	3.50	\$382,200.16	99.88%
897	Nehe	Lipochaeta micrantha	E	3.50	\$382,203.66	99.88%
897	Nehe	Lipochaeta waimeaensis	E	3.50	\$382,207.16	99.88%



**TABLE 2. SPECIES RANKED IN DESCENDING ORDER OF TOTAL FY 1998 REPORTED EXPENDITURES (\$000)**

RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	SPECIES TOTAL (\$000)	CUMULATIVE TOTAL	CUMULATIVE PERCENT
897	Panicgrass, Carter's	<i>Panicum fauriei</i> var. <i>carteri</i>	E	3.50	\$382,210.66	99.88%
897	Pawpaw, Rugel's	<i>Deeringothamnus rugelii</i>	E	3.50	\$382,214.16	99.89%
897	<i>Remya kauaiensis</i> (=Sci name)	<i>Remya kauaiensis</i>	E	3.50	\$382,217.66	99.89%
897	<i>Remya montgomeryi</i> (=Sci name)	<i>Remya montgomeryi</i>	E	3.50	\$382,221.16	99.89%
897	Schiedea, Diamond Head	<i>Schiedea adamantis</i>	E	3.50	\$382,224.66	99.89%
897	Ziziphus, florida	<i>Ziziphus celata</i>	E	3.50	\$382,228.16	99.89%
897	Ihī`ihi	<i>Marsilea villosa</i>	E	3.50	\$382,231.66	99.89%
897	<i>Tectaria estremerana</i> (=Sci name)	<i>Tectaria estremerana</i>	E	3.50	\$382,235.16	99.89%
927	Phacelia, clay	<i>Phacelia argillacea</i>	E	3.40	\$382,238.56	99.89%
928	Chub, Mohave tui	<i>Gila bicolor mohavensis</i>	E	3.30	\$382,241.86	99.89%
928	Aupaka	<i>Isodendron hosakae</i>	E	3.30	\$382,245.16	99.89%
928	Bedstraw, El Dorado	<i>Galium californicum</i> ssp. <i>sierrae</i>	E	3.30	\$382,248.46	99.89%
928	Ceanothus, Pine Hill	<i>Ceanothus roderickii</i>	E	3.30	\$382,251.76	99.89%
928	<i>Cyanea macrostegia</i> ssp. <i>gibsonii</i> (=Sci name)	<i>Cyanea macrostegia</i> ssp. <i>gibsonii</i>	E	3.30	\$382,255.06	99.90%
928	Dogweed, ashy	<i>Thymophylla tephroleuca</i>	E	3.30	\$382,258.36	99.90%
928	Flannelbush, Pine Hill	<i>Fremontodendron californicum</i> ssp. <i>decumbens</i>	E	3.30	\$382,261.66	99.90%
928	Manzanita, pallid	<i>Arctostaphylos pallida</i>	T	3.30	\$382,264.96	99.90%
928	Morning-glory, Stebbins'	<i>Calystegia stebbinsii</i>	E	3.30	\$382,268.26	99.90%
928	Navarretia, many-flowered	<i>Navarretia leucocephala</i> ssp. <i>plieantha</i>	E	3.30	\$382,271.56	99.90%
928	<i>Stenogyne bifida</i> (=Sci name)	<i>Stenogyne bifida</i>	E	3.30	\$382,274.86	99.90%
939	Loulu	<i>Pritchardia munroi</i>	E	3.25	\$382,278.11	99.90%
940	Curlew, Eskimo	<i>Numenius borealis</i>	E	3.20	\$382,281.31	99.90%
941	Rattleweed, hairy	<i>Baptisia arachnifera</i>	E	3.17	\$382,284.48	99.90%
942	<i>Lipochaeta venosa</i> (=Sci name)	<i>Lipochaeta venosa</i>	E	3.15	\$382,287.63	99.90%
942	<i>Tetramolopium arenarium</i> (=Sci name)	<i>Tetramolopium arenarium</i>	E	3.15	\$382,290.78	99.91%
944	<i>Gahnia lanaiensis</i> (=Sci name)	<i>Gahnia lanaiensis</i>	E	3.10	\$382,293.88	99.91%
944	Haha	<i>Cyanea procera</i>	E	3.10	\$382,296.98	99.91%
944	<i>Remya</i> , Maui	<i>Remya mauiensis</i>	E	3.10	\$382,300.08	99.91%
947	Snake, Atlantic salt marsh	<i>Nerodia clarkii taeniata</i>	T	3.05	\$382,303.13	99.91%
948	`Awiwi	<i>Hedyotis cookiana</i>	E	3.00	\$382,306.13	99.91%
948	`Oha wai	<i>Clermontia oblongifolia</i> ssp. <i>brevipes</i>	E	3.00	\$382,309.13	99.91%
948	`Oha wai	<i>Clermontia oblongifolia</i> ssp. <i>mauiensis</i>	E	3.00	\$382,312.13	99.91%
948	<i>Abutilon eremitopetalum</i> (=Sci name)	<i>Abutilon eremitopetalum</i>	E	3.00	\$382,315.13	99.91%
948	Alani	<i>Melicope adscendens</i>	E	3.00	\$382,318.13	99.91%

**TABLE 2. SPECIES RANKED IN DESCENDING ORDER OF TOTAL FY 1998 REPORTED EXPENDITURES (\$000)**

RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	SPECIES TOTAL (\$000)	CUMULATIVE TOTAL	CUMULATIVE PERCENT
948	Alani	Melicope mucronulata	E	3.00	\$382,321.13	99.91%
948	Alani	Melicope ovalis	E	3.00	\$382,324.13	99.91%
948	Amaranthus brownii (=Sci. name)	Amaranthus brownii	E	3.00	\$382,327.13	99.91%
948	Bedstraw, island	Galium buxifolium	E	3.00	\$382,330.13	99.92%
948	Cactus, star	Astrophytum asterias	E	3.00	\$382,333.13	99.92%
948	Ha`iwale	Cyrtandra giffardii	E	3.00	\$382,336.13	99.92%
948	Ha`iwale	Cyrtandra munroi	E	3.00	\$382,339.13	99.92%
948	Hibiscus, Clay's	Hibiscus clayi	E	3.00	\$382,342.13	99.92%
948	Ko`oloa`ula	Abutilon menziesii	E	3.00	\$382,345.13	99.92%
948	Leather flower, Alabama	Clematis socialis	E	3.00	\$382,348.13	99.92%
948	Mariscus fauriei (=Sci name)	Mariscus fauriei	E	3.00	\$382,351.13	99.92%
948	Myrcia paganii (=Sci name)	Myrcia paganii	E	3.00	\$382,354.13	99.92%
948	Palo de Ramon	Banara vanderbiltii	E	3.00	\$382,357.13	99.92%
948	Phyllostegia glabra var. lanaiensis (=Sci nam	Phyllostegia glabra var. lanaiensis	E	3.00	\$382,360.13	99.92%
948	Phyllostegia mannii (=Sci name)	Phyllostegia mannii	E	3.00	\$382,363.13	99.92%
948	Rock-cress, Hoffmann's	Arabis hoffmannii	E	3.00	\$382,366.13	99.92%
948	Rush-rose, island	Helianthemum greenei	T	3.00	\$382,369.13	99.93%
948	Sandlace	Polygonella myriophylla	E	3.00	\$382,372.13	99.93%
948	Tetramolopium remyi (=Sci name)	Tetramolopium remyi	E	3.00	\$382,375.13	99.93%
948	Wahane (=Hawane or lolu)	Pritchardia aylmer-robinsonii	E	3.00	\$382,378.13	99.93%
973	Piperia, Yadon's	Piperia yadonii	E	2.90	\$382,381.03	99.93%
974	Ilex sintenisii (=Sci name)	Ilex sintenisii	E	2.80	\$382,383.83	99.93%
974	Pilo	Hedyotis mannii	E	2.80	\$382,386.63	99.93%
976	Snail, Iowa Pleistocene	Discus macclintocki	E	2.75	\$382,389.38	99.93%
977	Naupaka, dwarf	Scaevola coriacea	E	2.70	\$382,392.08	99.93%
978	Skink, bluetail mole	Eumeces egregius lividus	T	2.60	\$382,394.68	99.93%
978	Cactus, Chisos Mtn. hedgehog	Echinocereus chisoensis var. chisoensis	T	2.60	\$382,397.28	99.93%
978	Pamakani	Tetramolopium capillare	E	2.60	\$382,399.88	99.93%
978	Silene alexandri (=Sci name)	Silene alexandri	E	2.60	\$382,402.48	99.93%
982	Buckwheat, cushenbury	Eriogonum ovalifolium var. vineum	E	2.55	\$382,405.03	99.93%
983	Duck, Laysan	Anas laysanensis	E	2.50	\$382,407.53	99.94%
983	`Akoko, Ewa Plains	Chamaesyce skottsbergii var. kalaeloana	E	2.50	\$382,410.03	99.94%
983	`Awikiwiki	Canavalia molokaiensis	E	2.50	\$382,412.53	99.94%
983	`Olulu	Brighamia insignis	E	2.50	\$382,415.03	99.94%

**TABLE 2. SPECIES RANKED IN DESCENDING ORDER OF TOTAL FY 1998 REPORTED EXPENDITURES (\$000)**

RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	SPECIES TOTAL (\$000)	CUMULATIVE TOTAL	CUMULATIVE PERCENT
983	Alani	Melicope balloui	E	2.50	\$382,417.53	99.94%
983	Alani	Melicope reflexa	E	2.50	\$382,420.03	99.94%
983	Birds-in-a-nest, white	Macbridea alba	T	2.50	\$382,422.53	99.94%
983	Bush-mallow, Santa Cruz Island	Malacothamnus fasciculatus var. nesioticus	E	2.50	\$382,425.03	99.94%
983	Coneflower, Tennessee purple	Echinacea tennesseensis	E	2.50	\$382,427.53	99.94%
983	Dubautia pauciflora (=Sci name)	Dubautia pauciflora	E	2.50	\$382,430.03	99.94%
983	Fringepod (=lacepod), Santa Cruz Island	Thysanocarpus conchuliferus	E	2.50	\$382,432.53	99.94%
983	Gouania hillebrandii (=Sci name)	Gouania hillebrandii	E	2.50	\$382,435.03	99.94%
983	Haha	Cyanea mannii	E	2.50	\$382,437.53	99.94%
983	Haha	Cyanea mceldowneyi	E	2.50	\$382,440.03	99.94%
983	Hedyotis, Na Pali beach	Hedyotis st.-johnii	E	2.50	\$382,442.53	99.94%
983	Ko'oko'olau	Bidens wiebkei	E	2.50	\$382,445.03	99.95%
983	Koki'oke'oke'o	Hibiscus arnottianus ssp. immaculatus	E	2.50	\$382,447.53	99.95%
983	Kula, wahine noho	Isodendron pyriformum	E	2.50	\$382,450.03	99.95%
983	Lysimachia lydgatei (=Sci name)	Lysimachia lydgatei	E	2.50	\$382,452.53	99.95%
983	Ma'oli'oli	Schiedea apokremnos	E	2.50	\$382,455.03	99.95%
983	Malacothrix, island	Malacothrix squalida	E	2.50	\$382,457.53	99.95%
983	Nehe	Lipochaeta kamolensis	E	2.50	\$382,460.03	99.95%
983	Nohoanu	Geranium multiflorum	E	2.50	\$382,462.53	99.95%
983	Pau'ala	Brighamia rockii	E	2.50	\$382,465.03	99.95%
983	Pritchardia remota (=Sci name)	Pritchardia remota	E	2.50	\$382,467.53	99.95%
983	Sandalwood, Lanai or `iliahi	Santalum freycinetianum var. lanaiense	E	2.50	\$382,470.03	99.95%
983	Schiedea haleakalensis (=Sci name)	Schiedea haleakalensis	E	2.50	\$382,472.53	99.95%
983	Schiedea lydgatei (=Sci name)	Schiedea lydgatei	E	2.50	\$382,475.03	99.95%
983	Schiedea spergulina var. leiopoda (=Sci name)	Schiedea spergulina var. leiopoda	E	2.50	\$382,477.53	99.95%
983	Schiedea spergulina var. spergulina (=Sci name)	Schiedea spergulina var. spergulina	T	2.50	\$382,480.03	99.95%
983	Schiedea verticillata (=Sci name)	Schiedea verticillata	E	2.50	\$382,482.53	99.96%
983	Silversword, Haleakala ('ahinahina)	Argyroxiphium sandwicense ssp. macrocephalum	E	2.50	\$382,485.03	99.96%
983	Spurge, telephus	Euphorbia telephioides	T	2.50	\$382,487.53	99.96%
983	Tetramolopium rockii (=Sci name)	Tetramolopium rockii	T	2.50	\$382,490.03	99.96%
983	Elaphoglossum serpens (=Sci name)	Elaphoglossum serpens	E	2.50	\$382,492.53	99.96%
983	Polystichum calderonense (=Sci name)	Polystichum calderonense	E	2.50	\$382,495.03	99.96%
983	Quillwort, mat-forming	Isoetes tegetiformans	E	2.50	\$382,497.53	99.96%
983	Thelypteris inabonensis (=Sci name)	Thelypteris inabonensis	E	2.50	\$382,500.03	99.96%

**TABLE 2. SPECIES RANKED IN DESCENDING ORDER OF TOTAL FY 1998 REPORTED EXPENDITURES (\$000)**

RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	SPECIES TOTAL (\$000)	CUMULATIVE TOTAL	CUMULATIVE PERCENT
983	Thelypteris verecunda (=Sci name)	Thelypteris verecunda	E	2.50	\$382,502.53	99.96%
983	Thelypteris yaucoensis (=Sci name)	Thelypteris yaucoensis	E	2.50	\$382,505.03	99.96%
1023	Grass, Solano	Tuctoria mucronata	E	2.30	\$382,507.33	99.96%
1023	Thistle, Suisun	Cirsium hydrophilum var. hydrophilum	E	2.30	\$382,509.63	99.96%
1025	Pigtoe, flat (=Marshall's mussel)	Pleurobema marshalli	E	2.22	\$382,511.85	99.96%
1025	Stirrupshell	Quadrula stapes	E	2.22	\$382,514.07	99.96%
1027	Shiner, Cahaba	Notropis cahabae	E	2.20	\$382,516.27	99.96%
1027	Fern, Alabama streak-sorus	Thelypteris pilosa var. alabamensis	T	2.20	\$382,518.47	99.96%
1029	Bladderpod, San Bernardino Mountains	Lesquerella kingii ssp. bernardina	E	2.05	\$382,520.52	99.97%
1029	Daisy, Parish's	Erigeron parishii	T	2.05	\$382,522.56	99.97%
1029	Milk-vetch, Cushenbury	Astragalus albens	E	2.05	\$382,524.61	99.97%
1029	Oxytheca, cushenbury	Oxytheca parishii var. goodmaniana	E	2.05	\$382,526.66	99.97%
1033	Rice rat (=silver rice rat)	Oryzomys palustris natator	E	2.00	\$382,528.66	99.97%
1033	Vole, Amargosa	Microtus californicus scirpensis	E	2.00	\$382,530.66	99.97%
1033	Sparrow, San Clemente sage	Amphispiza belli clementeae	T	2.00	\$382,532.66	99.97%
1033	Salamander, desert slender	Batrachoseps aridus	E	2.00	\$382,534.66	99.97%
1033	Beetle, Mount Hermon June	Polyphylla barbata	E	2.00	\$382,536.66	99.97%
1033	Butterfly, Smith's blue	Euphilotes enoptes smithi	E	2.00	\$382,538.66	99.97%
1033	Crayfish, cave [no common name]	Cambarus aculabrum	E	2.00	\$382,540.66	99.97%
1033	Ayenia, Texas	Ayenia limitaris	E	2.00	\$382,542.66	99.97%
1033	Broom, San Clemente Island	Lotus dendroideus ssp. traskiae	E	2.00	\$382,544.66	99.97%
1033	Clover, Monterey (=Del Monte)	Trifolium trichocalyx	E	2.00	\$382,546.66	99.97%
1033	Cranichis ricartii (=Sci name)	Cranichis ricartii	E	2.00	\$382,548.66	99.97%
1033	Crownbeard, big-leaved	Verbesina dissita	T	2.00	\$382,550.66	99.97%
1033	Dudleya, Santa Cruz Island	Dudleya nesiotica	T	2.00	\$382,552.66	99.97%
1033	Holly, Cook's	Ilex cookii	E	2.00	\$382,554.66	99.97%
1033	Larkspur, San Clemente Island	Delphinium variegatum ssp. kinkiense	E	2.00	\$382,556.66	99.97%
1033	Milk-vetch, coastal dunes	Astragalus tener var. titi	E	2.00	\$382,558.66	99.98%
1033	Mountain-mahogany, Catalina Island	Cercocarpus traskiae	E	2.00	\$382,560.66	99.98%
1033	Potentilla, Hickman's	Potentilla hickmanii	E	2.00	\$382,562.66	99.98%
1033	Seablite, California	Suaeda californica	E	2.00	\$382,564.66	99.98%
1033	Water-plantain, Kral's	Sagittaria secundifolia	T	2.00	\$382,566.66	99.98%
1033	Cypress, Gowen	Cupressus goveniana ssp. goveniana	T	2.00	\$382,568.66	99.98%
1054	Pussypaws, Mariposa	Calyptidium pulchellum	T	1.90	\$382,570.56	99.98%

**TABLE 2. SPECIES RANKED IN DESCENDING ORDER OF TOTAL FY 1998 REPORTED EXPENDITURES (\$000)**

RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	SPECIES TOTAL (\$000)	CUMULATIVE TOTAL	CUMULATIVE PERCENT
1055	Moth, Kern primrose sphinx	Euproserpinus euterpe	T	1.80	\$382,572.36	99.98%
1055	Alopecurus, Sonoma	Alopecurus aequalis var. sonomensis	E	1.80	\$382,574.16	99.98%
1055	Butterwort, Godfrey's	Pinguicula ionantha	T	1.80	\$382,575.96	99.98%
1055	Clover, showy Indian	Trifolium amoenum	E	1.80	\$382,577.76	99.98%
1059	Taraxacum, California	Taraxacum californicum	E	1.70	\$382,579.46	99.98%
1060	Reed-mustard, Barneby	Schoenocrambe barnebyi	E	1.60	\$382,581.06	99.98%
1061	Skipper, Pawnee montane	Hesperia leonardus montana	T	1.50	\$382,582.56	99.98%
1061	Cactus, Key tree	Pilosocereus robinii	E	1.50	\$382,584.06	99.98%
1061	Gourd, Okeechobee	Cucurbita okeechobeensis ssp. okeechobeensis	E	1.50	\$382,585.56	99.98%
1061	Harebells, Avon Park	Crotalaria avonensis	E	1.50	\$382,587.06	99.98%
1061	Polygala, Lewton's	Polygala lewtonii	E	1.50	\$382,588.56	99.98%
1061	Snowbells, Texas	Styrax texana	E	1.50	\$382,590.06	99.98%
1061	Quillwort, black spored	Isoetes melanospora	E	1.50	\$382,591.56	99.98%
1068	Water-willow, Cooley's	Justicia cooleyi	E	1.32	\$382,592.88	99.98%
1069	Warbler, Bachman's	Vermivora bachmanii	E	1.30	\$382,594.18	99.98%
1069	Allocarya, Calistoga	Plagiobothrys strictus	E	1.30	\$382,595.48	99.98%
1069	Barberry, Truckee	Berberis sonnei	E	1.30	\$382,596.78	99.98%
1069	Bluegrass, Napa	Poa napensis	E	1.30	\$382,598.08	99.99%
1069	Brodiaea, Chinese Camp	Brodiaea pallida	T	1.30	\$382,599.38	99.99%
1069	Checker-mallow, Kenwood Marsh	Sidalcea oregana ssp. valida	E	1.30	\$382,600.68	99.99%
1069	Clarkia, Vine Hill	Clarkia imbricata	E	1.30	\$382,601.98	99.99%
1069	Lessingia, San Francisco	Lessingia germanorum (=L. g. var. germanorum)	E	1.30	\$382,603.28	99.99%
1069	Lily, Pitkin Marsh	Lilium pardalinum ssp. pitkinense	E	1.30	\$382,604.58	99.99%
1069	Manzanita, Presido (=Raven's)	Arctostaphylos hookeri var. ravenii	E	1.30	\$382,605.88	99.99%
1069	Meadowfoam, Butte County	Limnanthes floccosa ssp. californica	E	1.30	\$382,607.18	99.99%
1069	Meadowfoam, Sebastopol	Limnanthes vinculans	E	1.30	\$382,608.48	99.99%
1069	Milk-vetch, Clara Hunt's	Astragalus clarianus	E	1.30	\$382,609.78	99.99%
1069	Navarretia, few-flowered	Navarretia leucocephala ssp. pauciflora	E	1.30	\$382,611.08	99.99%
1069	Sedge, white	Carex albida	E	1.30	\$382,612.38	99.99%
1069	Stoncrop, Lake County	Parvisedum leiocarpum	E	1.30	\$382,613.68	99.99%
1069	Sunburst, Hartweg's golden	Pseudobahia bahiifolia	E	1.30	\$382,614.98	99.99%
1069	Sunburst, San Joaquin adobe	Pseudobahia peirsonii	T	1.30	\$382,616.28	99.99%
1069	Thistle, Loch Lomond coyote	Eryngium constancei	E	1.30	\$382,617.58	99.99%
1069	Vervain, Red Hills	Verbena californica	T	1.30	\$382,618.88	99.99%

**TABLE 2. SPECIES RANKED IN DESCENDING ORDER OF TOTAL FY 1998 REPORTED EXPENDITURES (\$000)**

RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	SPECIES TOTAL (\$000)	CUMULATIVE TOTAL	CUMULATIVE PERCENT
1089	Whale, bowhead	Balaena mysticetus	E	1.25	\$382,620.13	99.99%
1090	Darter, watercress	Etheostoma nuchale	E	1.20	\$382,621.33	99.99%
1090	Silverside, Waccamaw	Menidia extensa	T	1.20	\$382,622.53	99.99%
1090	Buttercup, autumn	Ranunculus acriformis var. aestivalis	E	1.20	\$382,623.73	99.99%
1093	Bulrush, Northeastern (=barbed bristle)	Scirpus ancistrochaetus	E	1.17	\$382,624.89	99.99%
1094	Clubshell, black (=Curtus' mussel)	Pleurobema curtum	E	1.13	\$382,626.02	99.99%
1095	Cougar, eastern	Felis concolor cougar	E	1.10	\$382,627.12	99.99%
1095	Cactus, Cochise pincushion	Coryphantha robbinsorum	T	1.10	\$382,628.22	99.99%
1097	Gambusia, Clear Creek	Gambusia heterochir	E	1.00	\$382,629.22	99.99%
1097	Shiner, Palezone	Notropis sp.	E	1.00	\$382,630.22	99.99%
1097	Three-ridge (mussel), fat	Amblema neislerii	E	1.00	\$382,631.22	99.99%
1097	Marstonia (snail), royal (=obese)	Pyrgulopsis ogmoraphe	E	1.00	\$382,632.22	99.99%
1097	Snail, painted snake coiled forest	Anguispira picta	T	1.00	\$382,633.22	99.99%
1097	Bonamia, Florida	Bonamia grandiflora	T	1.00	\$382,634.22	99.99%
1097	Buckwheat, scrub	Eriogonum longifolium var. gnaphalifolium	T	1.00	\$382,635.22	100.00%
1097	Cactus, black lace	Echinocereus reichenbachii var. albertii	E	1.00	\$382,636.22	100.00%
1097	Cactus, Lloyd's hedgehog	Echinocereus lloydii	E	1.00	\$382,637.22	100.00%
1097	Cactus, Nellie cory	Escobaria minima	E	1.00	\$382,638.22	100.00%
1097	Cat's-eye, Terlingua Creek	Cryptantha crassipes	E	1.00	\$382,639.22	100.00%
1097	Liveforever, Santa Barbara Island	Dudleya traskiae	E	1.00	\$382,640.22	100.00%
1097	Mint, Lakela's	Dicerandra immaculata	E	1.00	\$382,641.22	100.00%
1097	Wild-buckwheat, gypsum	Eriogonum gypsophilum	T	1.00	\$382,642.22	100.00%
1111	Pocketbook, speckled	Lampsilis streckeri	E	0.80	\$382,643.02	100.00%
1111	Sandwort, Cumberland	Arenaria cumberlandensis	E	0.80	\$382,643.82	100.00%
1113	Rock-cress	Arabis perstellata	E	0.70	\$382,644.52	100.00%
1114	Reed-mustard, clay	Schoenocrambe argillacea	T	0.60	\$382,645.12	100.00%
1114	Ridge-cress (=pepper-cress), Barneby	Lepidium barnebyanum	E	0.60	\$382,645.72	100.00%
1114	Rosemary, Cumberland	Conradina verticillata	T	0.60	\$382,646.32	100.00%
1117	Darter, Maryland	Etheostoma sellare	E	0.50	\$382,646.82	100.00%
1117	Butterfly, Behren's silverspot	Speyeria zerene behrensii	E	0.50	\$382,647.32	100.00%
1117	Butterfly, lotis blue	Lycaeides argyrognomon lotis	E	0.50	\$382,647.82	100.00%
1117	Aster, Florida golden	Chrysopsis floridana	E	0.50	\$382,648.32	100.00%
1117	Beargrass, Britton's	Nolina brittoniana	E	0.50	\$382,648.82	100.00%
1117	Bellflower, Brooksville	Campanula robbinsiae	E	0.50	\$382,649.32	100.00%

**TABLE 2. SPECIES RANKED IN DESCENDING ORDER OF TOTAL FY 1998 REPORTED EXPENDITURES (\$000)**

RANK	SPECIES NAME (50 CFR PART 17)	SCIENTIFIC NAME	STATUS	SPECIES TOTAL (\$000)	CUMULATIVE TOTAL	CUMULATIVE PERCENT
1117	Jacquemontia, beach	Jacquemontia reclinata	E	0.50	\$382,649.82	100.00%
1117	Mint, longspurred	Dicerandra cornutissima	E	0.50	\$382,650.32	100.00%
1117	Pawpaw, beautiful	Deeringothamnus pulchellus	E	0.50	\$382,650.82	100.00%
1117	Prickly-apple, fragrant	Cereus eriophorus var. fragrans	E	0.50	\$382,651.32	100.00%
1117	Wings, Pigeon	Clitoria fragrans	T	0.50	\$382,651.82	100.00%
1128	Snail, noonday	Mesodon clarki nantahala	T	0.40	\$382,652.22	100.00%
1128	Groundsel, San Francisco Peaks	Senecio franciscanus	T	0.40	\$382,652.62	100.00%
1130	Bladderpod, Spring Creek	Lesquerella perforata	E	0.30	\$382,652.92	100.00%
1130	Irisette, white	Sisyrinchium dichotomum	E	0.30	\$382,653.22	100.00%
1132	Woodpecker, ivory-billed	Campephilus principalis	E	0.20	\$382,653.42	100.00%
1132	Darter, relict	Etheostoma chienense	E	0.20	\$382,653.62	100.00%
1132	Bittercress, small-anthered	Cardamine micranthera	E	0.20	\$382,653.82	100.00%
1132	Cress, toad-flax	Schoenocrambe suffrutescens	E	0.20	\$382,654.02	100.00%
1136	Beardtongue, Penland	Penstemon penlandii	E	0.10	\$382,654.12	100.00%
1137	Birch, Virginia round-leaf	Betula uber	T	0.06	\$382,654.18	100.00%
1138	Seal, guadalupe fur	Arctocephalus townsendi	T	-	\$382,654.18	100.00%
1138	Vole, Florida salt marsh	Microtus pennsylvanicus dukecampbelli	E	-	\$382,654.18	100.00%
1138	Crow, white-necked	Corvus leucognaphalus	E	-	\$382,654.18	100.00%
1138	Anole, Culebra Island giant	Anolis roosevelti	E	-	\$382,654.18	100.00%
1138	Salamander, Shenandoah	Plethodon shenandoah	E	-	\$382,654.18	100.00%
1138	Cavefish, Alabama	Speoplatyrhinus poulsoni	E	-	\$382,654.18	100.00%
1138	Slabshell, Chipola	Elliptio chipolaensis	T	-	\$382,654.18	100.00%
1138	Snail, Virginia fringed mountain	Polygyriscus virginianus	E	-	\$382,654.18	100.00%
1138	Amphipod, Hay's Spring	Stygobromus hayi	E	-	\$382,654.18	100.00%
1138	Isopod, Madison Cave	Antrolana lira	T	-	\$382,654.18	100.00%
1138	Shrimp, Kentucky cave	Palaemonias ganteri	E	-	\$382,654.18	100.00%
1138	Shrimp, Squirrel Chimney Cave (=Florida cave)	Palaemonetes cummingi	T	-	\$382,654.18	100.00%
1138	Bidens, cuneate	Bidens cuneata	E	-	\$382,654.18	100.00%
1138	Bladderpod, lyrate	Lesquerella lyrata	T	-	\$382,654.18	100.00%
1138	Bluecurls, Hidden Lake	Trichostema austromontanum ssp. compactum	T	-	\$382,654.18	100.00%
1138	Leather flower, Morefield's	Clematis morefieldii	E	-	\$382,654.18	100.00%
1138	Manaca, palma de	Calyptronoma rivalis	T	-	\$382,654.18	100.00%
1138	Oak, Hinckley	Quercus hinckleyi	T	-	\$382,654.18	100.00%
1138	Paintbrush, ash-grey	Castilleja cinerea	T	-	\$382,654.18	100.00%

**TABLE 2. SPECIES RANKED IN DESCENDING ORDER OF TOTAL FY 1998  
REPORTED EXPENDITURES (\$000)**

<b>RANK</b>	<b>SPECIES NAME (50 CFR PART 17)</b>	<b>SCIENTIFIC NAME</b>	<b>STATUS</b>	<b>SPECIES TOTAL (\$000)</b>	<b>CUMULATIVE TOTAL</b>	<b>CUMULATIVE PERCENT</b>
1138	Pondweed, Little Aguja Creek	Potamogeton clystocarpus	E	-	\$382,654.18	100.00%
1138	Prickly-ash, St. Thomas	Zanthoxylum thomasianum	E	-	\$382,654.18	100.00%
1138	Rosemary, Etonia	Conradina etonia	E	-	\$382,654.18	100.00%
1138	Rosemary, short-leaved	Conradina brevifolia	E	-	\$382,654.18	100.00%
1138	Sandwort, Bear Valley	Arenaria ursina	T	-	\$382,654.18	100.00%
1138	Walnut, West Indian or nogal	Juglans jamaicensis	E	-	\$382,654.18	100.00%
1138	Wild-buckwheat, southern mountain	Eriogonum kennedyi var. austromontanum	T	-	\$382,654.18	100.00%
1138	Adiantum vivesii (=Sci name)	Adiantum vivesii	E	-	\$382,654.18	100.00%
1138	Fern, Aleutian shield	Polystichum aleuticum	E	-	\$382,654.18	100.00%
1138	Fern, Elfin tree	Cyathea dryopteroides	E	-	\$382,654.18	100.00%



Table 3. Species with Reported Expenditures for Land Acquisition

Species are arranged in the same sequence as Table 1. These costs are not included in the general expenditures of Tables 1 and 2. Only those species that had land acquisition costs reported for FY 1998 are included here.

**TABLE 3. FY 1998 REPORTED LAND ACQUISITION EXPENDITURES (\$000)  
FOR ENDANGERED AND THREATENED SPECIES**

RANK	SPECIES NAME (50 CFR PART 17)	STATUS	FWS TOTAL	OTHER FED	FED TOTAL	STATES TOTAL	SPECIES TOTAL (\$000)
<b>MAMMALS</b>							
78	Bat, gray	E	0.30	-	0.30	-	0.30
246	Bat, Hawaiian hoary	E	556.00	-	556.00	-	556.00
33	Bat, Indiana	E	0.30	8.00	8.30	-	8.30
15	Bear, grizzly	T	-	30.00	30.00	-	30.00
87	Bear, Louisiana black	T	40.50	-	40.50	-	40.50
1095	Cougar, eastern	E	0.50	-	0.50	-	0.50
161	Deer, Columbian white-tailed	E	60.00	-	60.00	-	60.00
118	Deer, key	E	5.50	-	5.50	-	5.50
65	Fox, San Joaquin kit	E	79.00	367.00	446.00	-	446.00
229	Jaguarundi	E	167.00	-	167.00	-	167.00
285	Jaguarundi	E	167.00	-	167.00	-	167.00
148	Kangaroo rat, Tipton	E	167.00	-	167.00	-	167.00
39	Manatee, West Indian (=Florida)	E	314.20	-	314.20	-	314.20
185	Mouse, Alabama beach	E	710.00	-	710.00	-	710.00
487	Mouse, Key Largo cotton	E	49.50	-	49.50	-	49.50
17	Panther, Florida	E	0.70	-	0.70	-	0.70
164	Rabbit, Lower Keys	E	5.50	-	5.50	-	5.50
1033	Rice rat (=silver rice rat)	E	5.60	-	5.60	-	5.60
59	Wolf, red	E	4.60	-	4.60	-	4.60
516	Woodrat, Key Largo	E	49.50	-	49.50	-	49.50
<b>BIRDS</b>							
258	`Akepa, Hawaii (honeycreeper)	E	556.00	-	556.00	-	556.00
258	`Akiapola`au (honeycreeper)	E	556.00	-	556.00	-	556.00
536	`O`u (honeycreeper)	E	556.00	-	556.00	-	556.00
421	Caracara, Audubon's crested	T	0.70	-	0.70	-	0.70
61	Crane, Mississippi sandhill	E	3.00	-	3.00	-	3.00
255	Creeper, Hawaii	E	556.00	-	556.00	-	556.00
79	Duck, Hawaiian (=koloa)	E	556.00	-	556.00	-	556.00
13	Eagle, bald	T	4,252.90	1,304.60	5,557.50	-	5,557.50
26	Falcon, American peregrine	E	3,680.90	-	3,680.90	276.10	3,957.00
10	Flycatcher, southwestern willow	E	272.00	105.00	377.00	-	377.00
34	Gnatcatcher, coastal California	T	272.00	-	272.00	-	272.00
107	Goose, Aleutian Canada	T	1,014.00	-	1,014.00	-	1,014.00
140	Goose, Hawaiian (=nene)	E	556.00	-	556.00	-	556.00
302	Hawk, Hawaiian (=io)	E	556.00	-	556.00	-	556.00
81	Jay, Florida scrub	T	321.10	-	321.10	-	321.10
206	Kite, Everglade snail	E	117.70	-	117.70	-	117.70
155	Pelican, brown	E	1,003.00	-	1,003.00	-	1,003.00
30	Plover, piping	E, T	1,667.40	-	1,667.40	-	1,667.40
131	Rail, Yuma clapper	E	-	-	-	2.13	2.13
77	Stork, wood	E	238.20	-	238.20	-	238.20
50	Tern, least	E	23.90	-	23.90	-	23.90

**TABLE 3. FY 1998 REPORTED LAND ACQUISITION EXPENDITURES (\$000)  
FOR ENDANGERED AND THREATENED SPECIES**

RANK	SPECIES NAME (50 CFR PART 17)	STATUS	FWS TOTAL	OTHER FED	FED TOTAL	STATES TOTAL	SPECIES TOTAL (\$000)
50	Vireo, black-capped	E	400.00	-	400.00	-	400.00
32	Vireo, least Bell's	E	622.00	-	622.00	-	622.00
55	Warbler, golden-cheeked	E	1,300.00	-	1,300.00	-	1,300.00
75	Warbler, Kirtland's	E	-	402.00	402.00	-	402.00
8	Woodpecker, red-cockaded	E	942.20	-	942.20	-	942.20
			-				
	<b>REPTILES</b>		-				
215	Crocodile, American	E	69.50	-	69.50	-	69.50
137	Lizard, blunt-nosed leopard	E	79.00	367.00	446.00	-	446.00
978	Skink, bluetail mole	T	56.00	-	56.00	-	56.00
827	Skink, sand	T	56.00	-	56.00	-	56.00
138	Snake, eastern indigo	T	244.40	-	244.40	-	244.40
86	Snake, giant garter	T	567.00	-	567.00	-	567.00
16	Tortoise, desert	T	-	25,035.00	25,035.00	-	25,035.00
89	Tortoise, gopher	T	1,216.00	-	1,216.00	-	1,216.00
43	Turtle, green sea	E, T	173.20	-	173.20	-	173.20
60	Turtle, hawksbill sea (=carey)	E	163.00	-	163.00	-	163.00
51	Turtle, Kemp's ridley sea	E	0.60	-	0.60	-	0.60
54	Turtle, leatherback sea	E	163.70	-	163.70	-	163.70
37	Turtle, loggerhead sea	T	936.50	-	936.50	-	936.50
486	Turtle, ringed map (=sawback)	T	2.00	-	2.00	-	2.00
	<b>AMPHIBIANS</b>						
74	Frog, California red-legged	T	272.00	100.00	372.00	-	372.00
63	Toad, Arroyo southwestern	E	272.00	-	272.00	-	272.00
	<b>FISHES</b>						
47	Chub, bonytail	E	-	1.00	1.00	-	1.00
42	Chub, humpback	E	-	2.00	2.00	-	2.00
226	Darter, leopard	T	-	66.00	66.00	-	66.00
818	Madtom, pygmy	E	0.20	-	0.20	-	0.20
36	Salmon, chinook, Sacramento R. winter	T	113.00	-	113.00	-	113.00
3	Salmon, chinook, Snake R. fall run	T	-	500.00	500.00	-	500.00
2	Salmon, chinook, Snake R. spring/summer	T	-	500.00	500.00	-	500.00
1	Salmon, coho	T	-	520.00	520.00	-	520.00
4	Salmon, sockeye (=red, =blueback), Snake R.	E	-	500.00	500.00	-	500.00
172	Spinedace, Little Colorado	T	-	-	-	1,824.30	1,824.30
18	Squawfish, Colorado	E	-	5.00	5.00	-	5.00
5	Steelhead (Snake R. Basin)	T	-	500.00	500.00	-	500.00
31	Steelhead (upper Columbia R. Basin)	E	-	-	-	976.70	976.70
90	Sturgeon, Gulf	T	2.00	-	2.00	-	2.00
12	Sucker, razorback	E	-	5.00	5.00	-	5.00
	<b>CLAMS</b>						
254	Moccasinshell, Alabama	T	-	600.00	600.00	-	600.00
534	Mussel, ring pink (=golf stick pearly)	E	0.20	-	0.20	-	0.20

**TABLE 3. FY 1998 REPORTED LAND ACQUISITION EXPENDITURES (\$000)  
FOR ENDANGERED AND THREATENED SPECIES**

RANK	SPECIES NAME (50 CFR PART 17)	STATUS	FWS TOTAL	OTHER FED	FED TOTAL	STATES TOTAL	SPECIES TOTAL (\$000)
281	Pearlymussel, orange-foot pimpleback	E	0.20	-	0.20	-	0.20
179	Pearlymussel, pink mucket	E	5.20	-	5.20	-	5.20
778	Pigtoe, rough	E	0.20	-	0.20	-	0.20
	<b>SNAILS</b>						
321	Snail, Stock Island tree	T	5.50	-	5.50	-	5.50
	<b>INSECTS</b>						
124	Beetle, valley elderberry longhorn	T	674.00	-	674.00	-	674.00
71	Butterfly, Karner blue	E	-	29.00	29.00	125.00	154.00
94	Butterfly, Mitchell's satyr	E	-	80.00	80.00	-	80.00
199	Butterfly, Quino checkerspot	E	272.00	-	272.00	-	272.00
310	Butterfly, Schaus swallowtail	E	44.00	-	44.00	-	44.00
	<b>CRUSTACEANS</b>						
154	Fairy shrimp, riverside	E	272.00	-	272.00	-	272.00
134	Fairy shrimp, San Diego	E	272.00	-	272.00	-	272.00
93	Fairy shrimp, vernal pool	T	797.00	370.00	1,167.00	-	1,167.00
113	Tadpole shrimp, vernal pool	E	797.00	370.00	1,167.00	-	1,167.00
	<b>FLOWERING PLANTS</b>						
797	`Aiea ( <i>Nothocestrum breviflorum</i> )	E	556.00	-	556.00	-	556.00
897	`Oha wai ( <i>Clermontia pyralaria</i> )	E	556.00	-	556.00	-	556.00
159	Amaranth, seabeach	T	3.00	-	3.00	-	3.00
1117	Beargrass, Britton's	E	56.00	-	56.00	-	56.00
928	Bedstraw, El Dorado	E	-	110.00	110.00	-	110.00
165	Bird's beak, palmate-bracted	E	59.00	70.00	129.00	-	129.00
797	Blazingstar, scrub	E	56.00	-	56.00	-	56.00
1097	Bonamia, Florida	T	56.00	-	56.00	-	56.00
1097	Buckwheat, scrub	T	56.00	-	56.00	-	56.00
126	Button-celery, San Diego	E	272.00	-	272.00	-	272.00
1061	Cactus, Key tree	E	5.50	-	5.50	-	5.50
928	Ceanothus, Pine Hill	E	-	110.00	110.00	-	110.00
157	Chaffseed, American	E	9.00	-	9.00	-	9.00
928	Flannelbush, Pine Hill	E	-	110.00	110.00	-	110.00
245	Grass, California Orcutt	E	272.00	-	272.00	-	272.00
948	Ha`iwale ( <i>Cyrtandra munroi</i> )	E	556.00	-	556.00	-	556.00
860	Haha ( <i>Cyanea stictophylla</i> )	E	556.00	-	556.00	-	556.00
1061	Harebells, Avon Park	E	56.00	-	56.00	-	56.00
135	Howellia, water	T	48.00	-	48.00	-	48.00
707	Hypericum, highlands scrub	E	56.00	-	56.00	-	56.00
372	Iris, dwarf lake	T	-	-	-	40.00	40.00
570	Locoweed, Fassett's	T	-	-	-	43.00	43.00
850	Lupine, scrub	E	56.00	-	56.00	-	56.00

**TABLE 3. FY 1998 REPORTED LAND ACQUISITION EXPENDITURES (\$000)  
FOR ENDANGERED AND THREATENED SPECIES**

<b>RANK</b>	<b>SPECIES NAME (50 CFR PART 17)</b>	<b>STATUS</b>	<b>FWS TOTAL</b>	<b>OTHER FED</b>	<b>FED TOTAL</b>	<b>STATES TOTAL</b>	<b>SPECIES TOTAL (\$000)</b>
204	Mesa-mint, Otay	E	272.00	-	272.00	-	272.00
211	Mesa-mint, San Diego	E	272.00	-	272.00	-	272.00
897	Mint, Garrett's (=scrub, in part)	E	56.00	-	56.00	-	56.00
1097	Mint, Lakela's	E	0.60	-	0.60	-	0.60
897	Mint, scrub	E	56.00	-	56.00	-	56.00
928	Morning-glory, Stebbins'	E	-	110.00	110.00	-	110.00
897	Mustard, Carter's	E	56.00	-	56.00	-	56.00
147	Orchid, eastern prairie fringed	T	-	-	-	30.00	30.00
778	Pawpaw, four-petal	E	0.60	-	0.60	-	0.60
598	Phyllostegia velutina (=Sci. name)	E	556.00	-	556.00	-	556.00
797	Plum, scrub	E	56.00	-	56.00	-	56.00
1061	Polygala, Lewton's	E	56.00	-	56.00	-	56.00
1138	Rosemary, short-leaved	E	56.00	-	56.00	-	56.00
948	Sandlace	E	56.00	-	56.00	-	56.00
707	Snakeroot	E	56.00	-	56.00	-	56.00
188	Spineflower, slender-horned	E	-	414.00	414.00	-	414.00
720	Spurge, Garber's	T	5.50	-	5.50	-	5.50
797	Tree, pygmy fringe	E	56.00	-	56.00	-	56.00
673	Whitlow-wort, papery	T	56.00	-	56.00	-	56.00
1117	Wings, Pigeon	T	56.00	-	56.00	-	56.00
733	Wireweed	E	56.00	-	56.00	-	56.00
897	Ziziphus, florida	E	56.00	-	56.00	-	56.00
	<b>FERNS AND ALLIES</b>						
643	Asplenium fragile var. insulare (=Sci nar	E	556.00	-	556.00	-	556.00
	<b>LICHENS</b>						
707	Cladonia, Florida perforate	E	56.00	-	56.00	-	56.00
	<b>TOTAL</b>		<b>35,662.30</b>	<b>32,690.60</b>	<b>68,352.90</b>	<b>3,317.23</b>	<b>71,670.13</b>

**Species on Cover (clockwise from top right corner):**

*Plymouth Redbelly Turtle (Pseudemys rubrivtrix bangsi)*, photo by T.E. Graham

*Jaguar (Panthera onca)*, photo by Corel Corp.

*Chapman Rhododendron (Rhododendron chapmanii)*, photo by USFWS/E. LaVerne Smith

*Spectacled Eider (Somateria fischeri)*, photo by USFWS/Glen Smart

*Borax Lake Chub (Gila boraxobius)*, photo by Jack Williams

*Lange's Metalmark Butterfly (Apodemia mormo langei)*, photo by Jerry Powell

**U.S. Fish & Wildlife Service  
Endangered Species Program  
1849 C Street, NW (MS-420 ARLSQ)  
Washington, DC 20240  
<http://www.fws.gov/endangered>**

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