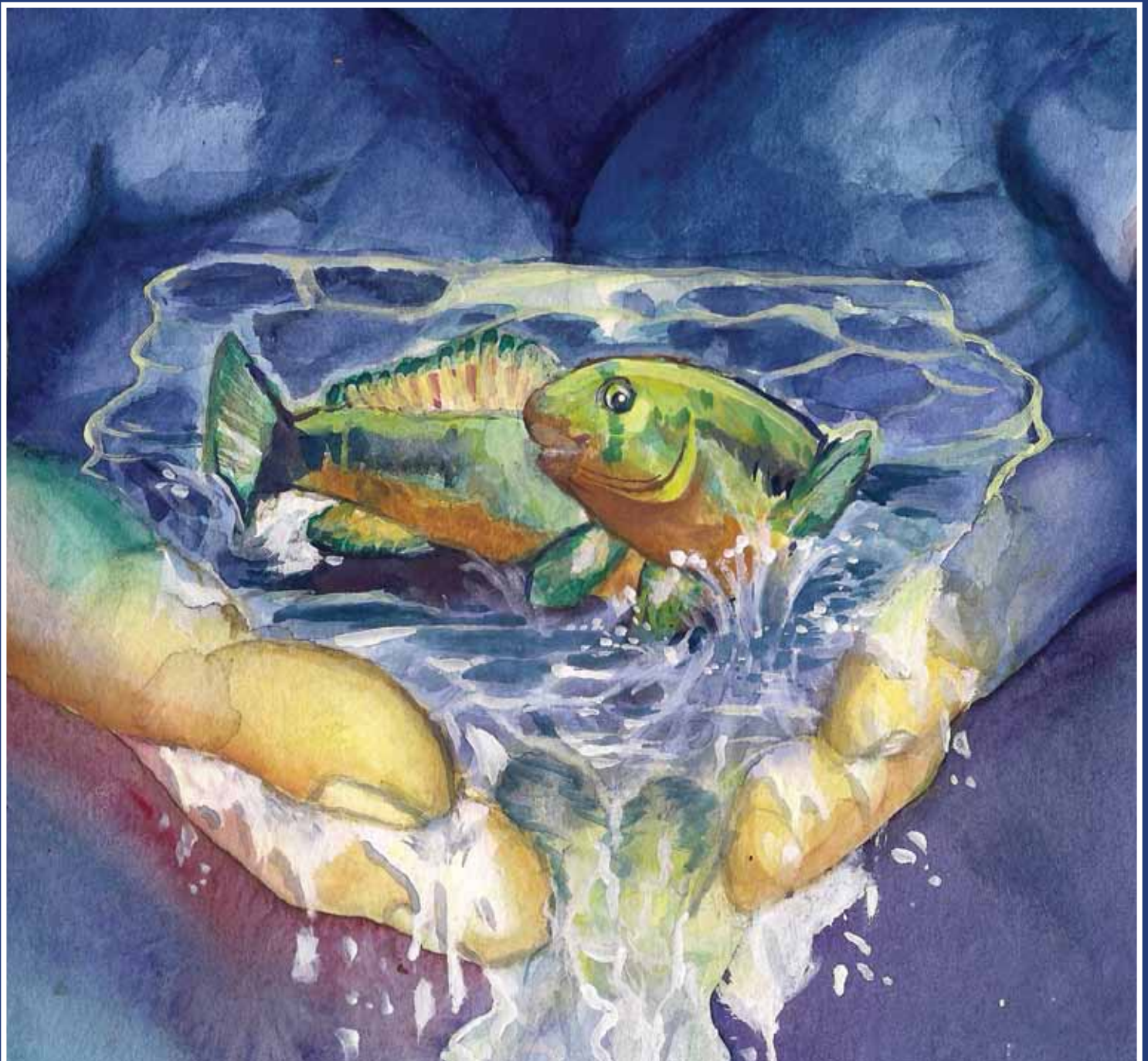


# Report to Congress on the Recovery of Threatened and Endangered Species

*Fiscal Years 2013-2014*



# From the Director

Photo Credit: Tami Heilemann/DOI



I am proud to present this report, which provides an update on the progress of federally protected species toward recovery between October 1, 2012 and September 30, 2014 (fiscal years 2013 and 2014).

During these two fiscal years, the Endangered Species Act (ESA) delivered some inspiring success stories, including the removal of three species from federal lists of endangered and threatened species after recovering to the point where federal protection was no longer necessary for their survival: the Magazine Mountain shagreen, Virginia northern flying squirrel, and island night lizard.

The stories behind the recovery of these species remind us all how the ESA can and should work—bringing partners together to recover imperiled species, as well as the land and water on which they depend for habitat. While full recovery and removal from federal protection is – of course – the ultimate goal, a more complete measure of ESA success includes the number of species lifted from the brink of extinction, are no longer declining, have stable populations, or have gained a solid foothold on the path

toward recovery. By these measures, the ESA is a runaway success.

In addition to species recovered and removed from federal protection during this time, three species – San Clemente Island Indian paintbrush, San Clemente Island lotus, and the wood stork – were reclassified from endangered to the less critical threatened status. Meanwhile, those engaged in the effort to restore the endangered Nihoa millerbird to Hawaii's Laysan Island reached a significant milestone when the recently established population more than doubled to reach 100 individuals. Nearly 6,000 miles away, the Puerto Rican parrot recovery team celebrated equally encouraging news that two parrots born in the wild fledged the nest for the first time in 100 years.

These various achievements demonstrate how critical and effective the ESA is in preventing extinction, improving the conservation prospects for vanishing plants and animals, and achieving recovery progress. While the ESA – time and time again – has managed to bring success when success seemed improbable, we must remember that recovering endangered and threatened species is complex and challenging work. Species' declines often occur over the course of decades or even centuries prior to their listing under the ESA. It takes time to reverse declining populations and pull species away from extinction risk, and increasing threats from climate change and habitat destruction and fragmentation make this work all the more challenging. The fact that, to date, 34 species have successfully recovered and no longer require federal protection in just over four decades is remarkable progress.

With this in mind, we are continuing to provide you with a compilation of our completed Five Year Status Reviews (5-year reviews) which provide the most recent assessment of species status and progress toward recovery.

The ESA has given us much to celebrate and to be proud of, but as this report illustrates there is more work to be done. As we move forward and face ever-evolving challenges we do so with the knowledge that collaboration is at the heart of all ESA success stories. Through these diverse collaborative partnerships, the ESA will continue to serve as the critical safety net for species that Congress intended when it passed the law into action just over 40 years ago.

Daniel M. Ashe, Director



# Report to Congress on the Recovery of Threatened and Endangered Species

## *Fiscal Years 2013-2014*

This biennial report provides an update on the progress toward recovery of all domestic threatened and endangered species protected under the Endangered Species Act (ESA) for which the U.S. Fish and Wildlife Service (Service) has lead responsibility. This report covers progress toward recovery during the period between October 1, 2012, and September 30, 2014. Data, summarized in the preceding table, are presented for each U.S. listed domestic species under the jurisdiction of the Service, and organized by major taxonomic groupings. At the close of this reporting period, the Service had lead responsibility for recovering 1,478 federally-listed threatened (307) and endangered (1,171) species. Data include:

- the species' inverted common name and scientific name, or just scientific name where no common name is available;
- the lead Service Region;
- the date the species was listed under the ESA;
- the date of the species' recovery plan;
- the stage of development of the recovery plan;
- the number of actions outlined in the recovery plan that have been implemented;
- the estimated costs for recovery, if available;
- the estimated time to recovery, if available;
- the species' listing classification as an endangered species or threatened species;
- the species' recovery priority number;
- the date the species' most recent



Trey Reid/Arkansas Game & Fish Commission

*The Magazine Mountain shagreen snail became the first invertebrate to be recovered and removed from federal protection in 2013.*

- 5-year review was completed; and
- the species' 5-year review status recommendation from the most recent review.

### **Species Name**

Species are listed in the table by inverted common name within their respective taxonomic groups. Where a species has more than one commonly accepted common or scientific name, the alternate name is indicated in parentheses with an "equals" symbol followed by the alternate name. Most species are listed at the taxonomic level (species or subspecies). If a species is listed only within a

specific geographic boundary, its population information is provided in parentheses after the common name(s). The scientific name is also given in parentheses behind the common name. Many plants and some invertebrates don't have a common name, so only the scientific name is given.

Each species' name is hyperlinked to the corresponding species profile page in the Service's Environmental Conservation Online System (ECOS). Species profile pages provide a one-stop source for summary information on individual species. In addition, electronic copies of the species' recovery plan, the most recent



Mary Ellen Urbanski

*The Service reclassified the wood stork from endangered to threatened in June 2014, reflecting a highly successful conservation and recovery effort spanning three decades.*

5-year status review, and relevant Federal Register publications may be accessed from the species profile page.

### **Lead Region**

This indicates the Service Region with lead responsibility for the species (see Map on inside back cover). For example, a number “6” indicates a species for which the Mountain-Prairie Regional Office has lead responsibility. Some species are wide ranging and may be found in more than one region, although only the lead region is indicated here. Additional information regarding a species’ range may be found on the species’ profile page in ECOS, accessible via the corresponding hyperlinked “species name” in this report.

### **Date Listed**

This indicates the date the species was added to the Federal Lists of Threatened and Endangered Wildlife and Plants. In some instances, species listings have been revised. For revisions related to taxonomic splits, i.e., what was originally listed as a single species is now recognized as multiple species or subspecies, we maintain the original listing date with the original species and report the date of the revision for the newly listed taxa. As a rule of thumb, if the individuals receiving the protections of the ESA are unchanged by the revision, we report the original listing date and vice versa.

### **Active Plan Date**

This indicates the date of the species’ active recovery plan. If a

species has more than one active recovery plan, all active plan dates will be shown in this column. An “N/A” in this column indicates that a species does not yet have an approved recovery plan. “Exempt” in this column indicates that this species is exempt from needing a recovery plan. Species are “Exempt” if we determine that developing a recovery plan will not promote the conservation of the species.

### **Plan Status**

Updates on the development and implementation of recovery plans are provided in this Report. Recovery plans are an important tool in the Service’s mission to recover listed species, as they provide guidance on the direction, strategy, and benchmarks for



recovery. They also provide indicators for when it may be appropriate to evaluate the status of the species. As we have consistently demonstrated in previous Recovery Reports to Congress, the Service is continuing to make improvements in finalizing recovery plans for threatened and endangered species. The Service remains committed to its goal of having at least one recovery plan for every listed domestic species, where it promotes the conservation of the species, and continues to finalize and implement recovery plans as a tool for delisting species and reclassifying species from endangered to threatened. By the end of this reporting period 78% (1,148) of all domestic species under the jurisdiction of the Service

had recovery plans (27 of which were drafted or finalized during this reporting period). Of the species with recovery plans, 4% (only 49) had draft recovery plans that were waiting to be finalized. Although 78% is a decrease in the overall number of listed domestic species with recovery plans, compared to the 85% we reported in the 2012 biennial report, it is important to point out that during this reporting period the Service listed an additional 141 domestic species. These new listings brought the number of species in need of recovery plans from 196, as reported in 2012, to a total of 330 by the close of FY 2014. While recovery planning is underway for these newly listed species it is not

expected that recovery plans would be available so soon after listing. The status of recovery plan development is reported as indicated below:

- **F:** Final plan has been approved by the Regional Director and a Notice of Availability has been published in the Federal Register.
- **D:** Draft plan has been approved by the Regional Director and a Notice of Document Availability for Review and Comment has been published in the Federal Register.
- **RD(#):** Draft of the revised plan has been approved by the Regional Director and published in the Federal Register as available for public comment. The draft of the first revision to the final plan is recorded as RD(1), draft of the second revision to the final plan is recorded as RD(2), etc.
- **RF(#):** Final revision has been approved by the Regional Director and a Notice of Availability has been published in the Federal Register. The first revision is recorded as RF(1), the second revision is RF(2), etc.
- **Exempt:** Species that are exempted from recovery plan development. Species are “exempt” if the Service has determined that developing a recovery plan will not promote the conservation of the species. Usually, such a finding is made for species that are presumed extinct. For a few species, we have decided not to prepare a plan because we have determined that some other document fulfills the recovery planning needs (e.g., Modoc sucker).
- **N/A:** The species does not yet have an approved recovery plan.

*The Service proposed removing the Delmarva Peninsula fox squirrel from federal protection in 2014, after conservation measures by public and private partners helped recover the species across much of its historic range.*



Guy Willey

### Number of Recovery Actions Implemented

The “number of recovery actions implemented” represents the cumulative number of recovery actions identified in

the implementation schedules of the recovery documents (in the Recovery Plans database) that qualify as implemented as of September 30, 2014. Recovery actions are defined as actions relevant to eliminating or reducing the threats identified in listing rules, recovery plans, and through subsequent 5-year reviews that are identified as such in the Recovery Plans database. A recovery action in the Recovery Plans database is counted as “implemented” if it has an action status of ongoing current, ongoing not current, partially complete, or complete. An “N/A” in this column indicates that the species does not yet have an approved recovery plan. “Exempt” in this column indicates that the species is exempt from needing a recovery plan.

### **Estimated Costs for Recovery**

This column indicates the estimated costs of recovering the species as reported in their active recovery plans. The cost to recover species is spread out amongst the numerous Federal, state, and local

governments, Tribes, and nonprofit organizations involved in species recovery. These rough estimates are determined by the Service and its partners based on the best information available at the time of recovery plan development.

In many cases, this estimate is a minimum estimate because many plans include recovery actions for which the costs are yet to be determined. In addition, it may have been feasible to estimate the cost of implementation for only the initial fiscal years of plan implementation. In any case in which an estimate to delisting was determined (including partial estimates) we have included the values in this report.

Multi-species plans often only report an estimated cost for recovery for all species in the plan, thus a single action might benefit multiple species simultaneously; however, this is not the case in every multi-species plan. Therefore, the total cost provided in the multi-species plan has been associated with every species from the plan. In the 2014 Report, the use of a double

asterisk (\*\*) beside an estimated cost for recovery designates species for which the total estimated cost from a multi-species plan is provided.

Cost estimates are not adjusted for inflation, but are relevant to the year the plan was completed. For species with more than one active recovery plan, all estimated costs to recovery are displayed in order with the corresponding recovery plans. Data are reported only for those recovery plans which provide an estimated cost for delisting (including partial estimates). An “UNK” in this column indicates that the recovery plan only provides a cost estimated for improving the species status from endangered to threatened or that no cost estimate is reported. An “N/A” in this column indicates that the species does not yet have an approved recovery plan. “Exempt” in this column indicates that the species is exempt from needing a recovery plan. The Service is committed to pursuing the recovery of listed species in a cost-effective way through its partnerships.



U.S. Navy

*The Service announced that the island night lizard – found on three of the Channel Islands off the southern California coast – had recovered and no longer required federal protection in March 2014.*





Rick Swart/Oregon Department of Fish and Wildlife

*Culminating a 20-year partnership with many public and private partners, the Service proposed the removal of the Oregon chub from federal protection in February 2014. The chub would become the first fish to reach recovery.*

It is important to note that the requirement for recovery plans to include estimates of the time and cost to carry out site-specific management actions necessary to achieve recovery did not exist until 1988, when Congress amended the ESA. Thus, recovery plans developed prior to this date do not include such estimates. Furthermore, the 1988 amendments to the ESA require that we estimate the cost to recovery to the maximum extent practicable. Where it is not possible to develop an estimate, such as when all actions needed for recovery are not known, a plan does not include an estimate and explains why one cannot be developed.

**Estimated Time to Recovery**

This reports the estimated number of years (from the date of the active plan) the recovery plan forecasts

it will take the species to recover in order to begin delisting. All time estimates are based on the assumption that adequate resources are available to implement all recovery actions identified as necessary for the recovery of the species in a timely fashion. Data are reported only for those recovery plans which provide an estimate of time to delisting. An “UNK” in this column indicates that the recovery plan only reports the time estimated to reclassification, not delisting, or that the time to delisting is expected to be determined at some later date. An “N/A” in this column indicates that the species does not yet have an approved recovery plan. “Exempt” in this column indicates that the species is exempt from needing a recovery plan. For species with multiple active recovery plans, the longest estimated time to recovery

is shown.

As stated above, the requirement for recovery plans to include estimates of the time and cost to carry out site-specific management actions necessary to achieve recovery did not exist until 1988, when Congress amended the ESA. Thus, recovery plans developed prior to this date do not include such estimates. Furthermore, the 1988 amendments to the ESA require that we estimate the cost to recovery to the maximum extent practicable. Where it is not possible to develop an estimate, such as when all actions needed for recovery are not known, a plan does not include an estimate and explains why one cannot be developed.

**Listing Classification**

The species’ listing classification, as of September 30, 2014, is identified as a threatened species (T) or an



*A June 2013 survey of endangered millerbirds on Hawai'i's Laysan Island found the bird's population more than doubled from the original total of 50 translocated birds released by partners in 2011 and 2012.*

endangered species (E). At the close of this reporting period, the Service had lead responsibility for recovering 1,478 federally listed threatened species (307) and endangered species (1,171), 141 (24 threatened and 117 endangered) of which were listed during this 2-year reporting period.

### **Recovery Priority Number**

The first step for the conservation of any species is to prevent its extinction. Thus, the species with the highest degree of threat have the highest priority for preparing and implementing recovery plans. Additionally, appropriate use of the limited resources available to implement the ESA must be considered. To

this end, each species is assigned a recovery priority from 1 to 18 according to the degree of threats, recovery potential, and taxonomic distinctness. In addition, a species' rank may be elevated by adding a "C" designation to its numerical rank to indicate that it is, or may be, in conflict with construction or other development projects, or other forms of economic activity. Species with a high priority rank (1, 1C, 2, 2C) are those with the highest risk of extinction and a high potential for recovery. Species with a low rank (16, 17, 18) are those with the lowest risk of extinction and low recovery potentials. See 48 FR 43098-43105 (Sept. 21, 1983), and Table 3 on 48 FR 51935 (Nov. 15, 1983) for additional information

on this prioritization system.

Although Recovery Priority Numbers (RPNs) are intended to serve as guidelines for prioritizing development and implementation of recovery plans, many other factors affect how we allocate limited recovery resources. Thus, while individual regions and field offices prioritize funding for listed species based on a variety of factors that likely include the species recovery priority rankings, degree of threat and potential for success, many other factors affect how we allocate our limited recovery funding. These other factors include the number of species benefitting from an action, partnership opportunities, leveraging of funding with other partners, and whether the action will promote recovery or improve species status over a large geographic area. In addition, some recovery funding is necessarily expended to maintain a species status or move a species closer to recovery and delisting. As a species moves closer towards achieving recovery, the degree of threats to the species decreases, and is reflected in a lower RPN. However, without continued funding for ongoing or remaining recovery actions, it is often impossible to maintain a species' improved status or to delist the species. Therefore, some funding decisions are made based on the need to maintain a species' improved status, on the ability to move a species closer to recovery, or to move a species to the point that it is fully recovered and ready for delisting.

While the Service's RPN guidelines are intended to be used as a guide for prioritizing recovery planning and implementation rather than being an inflexible framework, we have undertaken several steps to ensure that RPNs are regularly reviewed and updated. These practices help RPNs keep pace with the on-the-ground conditions for federally listed species, and increase their relevance in decision-making. We include review of RPNs



as part of our periodic species 5-year status reviews required by section 4(c)(2) of the ESA. We also update RPNs as needed in our Threatened and Endangered Species System so that the RPN displayed in the Service's databases won't lag behind the actual species' condition. This allows us to better communicate our recovery progress and priorities to our partners and stakeholders.

### **Date Five-Year Review Completed**

The completion date is the date the most recent 5-year review was signed by the Service's Regional Director or appropriate delegated authority. An "N/A" in this column indicates that a 5-year review recommendation is not yet available.

### **Five-Year Review Status Recommendation**

Five-year review status recommendations are included in this report. A 5-year review is a periodic review of the status of species listed under the ESA, which

is conducted at least once every 5 years. The purpose of a 5-year review is to ensure that listed species have the appropriate level of protection under the ESA. The reviews assess each threatened species and endangered species to determine whether its status

has changed since the time of its listing or its last status review and whether it should be classified differently or delisted. Our 5-year review process uses the same ESA standards that are applied in the original listing process. We publish notices in the Federal Register announcing the species we are reviewing, allowing for public engagement in the process.

The outcome of a 5-year review does not change the status of a species. However, if the Service's 5-year review recommends that a change in classification is warranted, we may propose to reclassify or delist a species through a separate rulemaking process that includes public review and comment, as defined in the ESA. No change in status of the species may occur until the completion of the rulemaking process. We engage in rulemaking based on the results of 5-year reviews as our priorities dictate and our resources allow.

All status reviews that are conducted on a listed species may fulfill the requirements of a 5-year review. For example, if the Service is petitioned to reclassify a species, the status review that would be conducted for the 12-month finding



Marla Trollan/USFWS

*Thirty endangered black-footed ferrets were released in October 2013 onto cattle rancher Gary Walker's land in Colorado, bolstering the state's wild population.*

*In July 2014, biologists found 400 endangered winged maple leaf mussels at an abandoned research site in the St. Croix River, following successful reintroduction efforts completed in 2005 and 2006.*



Gary Wege/USFWS





*Service biologist Joseph Brandt and Beth Pratt of the National Wildlife Federation release condor #628 in June 2014, following treatment for lead contamination.*

may qualify as a 5-year review. Also, an internally-driven status review that is conducted on a listed species because the Service is considering splitting it into two or more distinct population segments (DPSs), combining DPSs, or for other reasons, may also qualify as a 5-year review. However, status reviews may only fulfill the requirement of a 5-year review if: (1) the review addresses the status of the species described on the List; (2) a Federal Register notice announces that the species is under active review; and (3) a conclusion is made regarding the appropriate classification of the species. Further, it is important to note that a proposed reclassification of a species may occur without a 5-year review. The Secretary of the Interior may review the status of any species at any time (50 CFR 424.21). Five-year status reviews are posted to the individual species profile pages in ECOS. Profile pages can be easily accessed by clicking on the hyperlinked species

name in this report or by going to <http://ecos.fws.gov/ecp/> and searching for the species by name. The 5-year review status recommendation of each species is

identified in this Report as one of the following outcomes:

- **No change to listed status:** Species for which no change in classification is recommended. Because species' declines often occur over the course of decades or centuries prior to their listing, achieving recovery often requires substantial time and resources. It may take many years and generations of a species before the species has recovered enough to be delisted or reclassified to a threatened species, as the Service must often immediately focus on stabilizing critically depleted populations when a species is first listed. The Service may recommend that a species' listing status remain unchanged, even though the species has made great progress towards recovery since its listing. Thus, a 5-year review status recommendation of "no change" does not reflect a species' decline or lack of progress towards recovery. It simply means that during the status review, biologists found that the threats neither increased enough to warrant a reclassification to an



*For the first time in 100 years, two endangered Puerto Rican parrots born in the wild fledged the nest successfully in 2014.*





*A male jaguar photographed by automatic wildlife cameras in Santa Rita Mountains in October 2013, as part of an ongoing jaguar survey conducted by the University of Arizona.*

endangered species (for those species listed as threatened), nor decreased enough to warrant reclassification to a threatened species (for those species listed as endangered) or delisting.

- **Reclassify to T:** The species' status has substantially improved such that it should be reclassified from an endangered species to a threatened species, thus demonstrating the species' responsiveness to the recovery actions implemented by the Service and its partners.
- **Delist:** The best available scientific and commercial information indicate that the species is neither an endangered species nor a threatened species for the following reasons: (1) the species is extinct; (2) the species has recovered and is no longer an endangered species or threatened species; and/or (3) the original scientific data used at the time the species was classified were in error.
- **Reclassify to E:** Species for which the best available information indicates a decline in the species' status since its

listing or previous 5-year review such that it is now in danger of extinction throughout all or a significant portion of its range.

- **Revision:** This recommendation is used only in the Recovery Report. It reflects a 5-year status review recommendation to revise the listed entity. For example, a 5-year review may recommend a change in how a species is listed because of a recent taxonomic revision.
- **In progress:** For species with this status, a 5-year status review was ongoing as of September 30, 2014.
- **Not yet initiated:** For species with this status, a 5-year status review has not yet been started.
- **Species Listed < 5 years:** For species with this status, a 5-year status review is not yet due.

#### **Five-Year Review Status Recommendations Data Analysis:**

The Service continued to make significant progress towards completing 5-year reviews during Fiscal Years 2013 and 2014. As of September 30, 2014, 5-year reviews have been completed for

87% (1,099) of the domestic species listed for 5 or more years and under the jurisdiction of the Service; 20% (215) of which were completed during Fiscal Years 2013-2014. This represents a 7% increase from where we stood at the end of the previous reporting period.

In addition to completed reviews, by the end of this reporting period 5-year reviews have been initiated for 28% (358) of the domestic species (158 for the first time and 200 representing a subsequent cycle of 5-year review for the species). Of the species listed for five or more years, less than 1% (8) are being reported as not having 5-year status reviews initiated by the end of the reporting period. Thus, as of September 30, 2014, 5-year status reviews have been completed or initiated for nearly 100% of all listed domestic species under the jurisdiction of the Service.

Of the 1,099 5-year reviews completed, 1% (7) recommend a revision to the listed entity, 1% (13) recommend reclassifying from threatened to endangered, 92% (1,016) recommend no change in status for the species, 4% (39) recommend reclassifying from endangered to threatened, and 2% (24) recommend delisting (2 due to error, 11 due to extinction, and 11 due to recovery).

Recovery Data as of September 30, 2014

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Active Plan Date	Plan Status <sup>1</sup>	Number of Recovery Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	Five-Year Review Status Recommendation
<b>Amphibians</b>											
Coqui, golden ( <i>Eleutherodactylus jasperi</i> )	4	11/11/1977	4/19/1984	F	3	UNK	UNK	T	5C	9/30/2013	No change to listed status
Coqui, Llanero ( <i>Eleutherodactylus juaniveroi</i> )	4	10/4/2012	N/A	N/A	N/A	N/A	N/A	E	UNK	N/A	Species listed < 5 years
Frog, California red-legged ( <i>Rana draytonii</i> )	8	5/23/1996	5/28/2002	F	38	10,031,500	23	T	5C	N/A	*
Frog, Chiricahua leopard ( <i>Rana chiricahuensis</i> )	2	6/13/2002	3/13/2007	F	54	3,413,000	28	T	2C	1/28/2011	No change to listed status
Frog, dusky gopher ( <i>Rana sevosa</i> )	4	12/4/2001	9/8/2014	D	N/A	UNK	UNK	E	5	N/A	*
Frog, mountain yellow-legged (northern CA DPS) ( <i>Rana muscosa</i> )	8	6/30/2014	N/A	N/A	N/A	N/A	N/A	E	UNK	N/A	Species listed < 5 years
Frog, mountain yellow-legged (southern CA DPS) ( <i>Rana muscosa</i> )	8	7/2/2002	N/A	N/A	N/A	N/A	N/A	E	3	7/13/2012	No change to listed status
Frog, Oregon spotted ( <i>Rana pretiosa</i> )	1	9/29/2014	N/A	N/A	N/A	N/A	N/A	T	8	N/A	Species listed < 5 years
Frog, Sierra Nevada Yellow-legged ( <i>Rana sierrae</i> )	8	6/30/2014	N/A	N/A	N/A	N/A	N/A	E	UNK	N/A	Species listed < 5 years
Guajon ( <i>Eleutherodactylus cooki</i> )	4	6/11/1997	9/24/2004	F	13	846,000	20	T	11	4/20/2011	No change to listed status
Hellbender, Ozark ( <i>Cryptobranchus alleganiensis bishopi</i> )	3	11/7/2011	N/A	N/A	N/A	N/A	N/A	E	3	N/A	Species listed < 5 years
Salamander, Austin blind ( <i>Eurycea waterlooensis</i> )	2	9/19/2013	N/A	N/A	N/A	N/A	N/A	E	2C	N/A	Species listed < 5 years
Salamander, Barton Springs ( <i>Eurycea sosorum</i> )	2	4/30/1997	8/29/2005	F	8	6,255,000	20	E	2C	10/5/2006	No change to listed status
Salamander, California tiger (CA-Santa Barbara County)( <i>Ambystoma californiense</i> )	8	1/19/2000	N/A	N/A	N/A	N/A	N/A	E	3C	11/14/2009	No change to listed status
Salamander, California tiger (CA-Sonoma County)( <i>Ambystoma californiense</i> )	8	7/22/2002	N/A	N/A	N/A	N/A	N/A	E	3C	N/A	*
Salamander, California tiger (Central CA DPS)( <i>Ambystoma californiense</i> )	8	8/4/2004	N/A	N/A	N/A	N/A	N/A	T	9C	N/A	*
Salamander, Cheat Mountain ( <i>Plethodon nettingi</i> )	5	8/18/1989	7/25/1991	F	22	406,600	10	T	8C	8/12/2010	No change to listed status
Salamander, Desert Slender ( <i>Batrachoseps aridus</i> )	8	6/4/1973	8/12/1982	F	18	UNK	UNK	E	6	1/31/2014	No change to listed status
Salamander, Frosted flatwoods ( <i>Ambystoma cingulatum</i> )	4	4/1/1999	N/A	N/A	N/A	N/A	N/A	T	5	2/10/2009	Revision of listed entity
Salamander, Georgetown ( <i>Eurycea naufragia</i> )	2	3/26/2014	N/A	N/A	N/A	N/A	N/A	T	UNK	N/A	Species listed < 5 years
Salamander, Jemez Mountains ( <i>Plethodon neomexicanus</i> )	2	10/10/2013	N/A	N/A	N/A	N/A	N/A	E	UNK	N/A	Species listed < 5 years
Salamander, Jollyville Plateau ( <i>Eurycea tonkawae</i> )	2	9/19/2013	N/A	N/A	N/A	N/A	N/A	T	UNK	N/A	Species listed < 5 years

<sup>1</sup>Earlier drafts and final plans for some individual species may have become incorporated into later multi-species or ecosystem plans.

\*5-Year Review in progress as of September 30, 2014

\*\*See Estimated Cost to Recovery Description



## Recovery Data as of September 30, 2014

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Active Plan Date	Plan Status <sup>1</sup>	Number of Recovery Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	Five-Year Review Status Recommendation
Salamander, Red Hills ( <i>Phaeognathus hubrichti</i> )	4	1/3/1977	11/23/1983	F	9	UNK	UNK	T	7	5/6/2013	No change to listed status
salamander, Reticulated flatwoods ( <i>Ambystoma bishopi</i> )	4	2/10/2009	N/A	N/A	N/A	N/A	N/A	E	5	2/10/2009	Revision of listed entity
Salamander, Salado ( <i>Eurycea chisholmensis</i> )	2	3/26/2014	N/A	N/A	N/A	N/A	N/A	T	UNK	N/A	Species listed < 5 years
Salamander, San Marcos ( <i>Eurycea nana</i> )	2	7/14/1980	2/14/1996	RF(1)	26	UNK	UNK	T	2C	N/A	*
Salamander, Santa Cruz long-toed ( <i>Ambystoma macrodactylum croceum</i> )	8	3/11/1967	7/2/1999	RD(2)	24	UNK	UNK	E	6C	5/30/2009	No change to listed status*
Salamander, Shenandoah ( <i>Plethodon shenandoah</i> )	5	8/18/1989	9/29/1994	F	9	UNK	UNK	E	8	N/A	*
Salamander, Sonora tiger ( <i>Ambystoma tigrinum stebbinsi</i> )	2	1/6/1997	9/24/2002	F	23	UNK	UNK	E	3	10/4/2007	No change to listed status
Salamander, Texas blind ( <i>Typhlomolge rathbuni</i> )	2	3/11/1967	2/14/1996	RF(1)	26	UNK	UNK	E	5	N/A	*
Toad, arroyo (=arroyo southwestern) ( <i>Anaxyrus californicus</i> )	8	12/16/1994	7/24/1999	F	40	3,315,000	12	E	8	8/17/2009	Reclassify to T
Toad, Houston ( <i>Bufo houstonensis</i> )	2	10/13/1970	9/17/1984	F	13	UNK	UNK	E	2C	11/28/2011	No change to listed status
Toad, Puerto Rican crested ( <i>Peltophryne lemur</i> )	4	8/4/1987	8/7/1992	F	16	UNK	UNK	T	2C	N/A	*
Toad, Wyoming ( <i>Bufo hemiophrys baxteri</i> = <i>Anaxyrus baxteri</i> )	6	1/17/1984	2/10/2014	RD(1)	70	4,260,000	15	E	2	9/13/2012	No change to listed status
toad, Yosemite ( <i>Anaxyrus canorus</i> )	8	6/30/2014	N/A	N/A	N/A	N/A	N/A	T	UNK	N/A	Species listed < 5 years
<b>Arachnids</b>											
Harvestman, Bee Creek Cave ( <i>Texella reddelli</i> )	2	9/16/1988	8/25/1994	F	18	UNK	UNK	E	2C	12/4/2009	No change to listed status
Harvestman, Bone Cave ( <i>Texella reyesi</i> )	2	9/16/1988	8/25/1994	F	18	UNK	UNK	E	2C	12/4/2009	No change to listed status
Harvestman, Cokendolpher Cave ( <i>Texella cokendolpheri</i> )	2	12/26/2000	9/12/2011	F	4	162,204**	20	E	5C	8/29/2011	No change to listed status
Meshweaver, Braken Bat Cave ( <i>Cicurina venii</i> )	2	12/26/2000	9/12/2011	F	6	162,204**	20	E	2C	8/29/2011	No change to listed status
Meshweaver, Government Canyon Bat Cave ( <i>Cicurina vespera</i> )	2	12/26/2000	9/12/2011	F	6	162,204**	20	E	2C	8/29/2011	No change to listed status
Meshweaver, Madla's Cave ( <i>Cicurina madla</i> )	2	12/26/2000	9/12/2011	F	8	162,204**	20	E	2C	8/29/2011	No change to listed status
Meshweaver, Robber Baron Cave ( <i>Cicurina baronia</i> )	2	12/26/2000	9/12/2011	F	4	162,204**	20	E	5C	8/29/2011	No change to listed status
Pseudoscorpion, Tooth Cave ( <i>Tartarocreagris texana</i> )	2	9/16/1988	8/25/1994	F	18	UNK	UNK	E	2C	12/4/2009	No change to listed status

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Recovery Data as of September 30, 2014

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Active Plan Date	Plan Status <sup>1</sup>	Number of Recovery Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	Five-Year Review Status Recommendation
Spider, Government Canyon Bat Cave ( <i>Neoleptoneta microps</i> )	2	12/26/2000	9/12/2011	F	6	162,204**	20	E	2C	8/29/2011	No change to listed status
Spider, Kauai cave wolf or pe'e pe'e maka 'ole ( <i>Adelocosa anaps</i> )	1	1/14/2000	7/19/2006	F	11	3,445,000**	30	E	1C	9/29/2006	No change to listed status
Spider, spruce-fir moss ( <i>Microhexura montivaga</i> )	4	2/6/1995	9/11/1998	F	7	UNK	UNK	E	5	N/A	*
Spider, Tooth Cave ( <i>Neoleptoneta myopica</i> )	2	9/16/1988	8/25/1994	F	18	UNK	UNK	E	2C	8/29/2011	No change to listed status
<b>Birds</b>											
'O'o, Kauai (honeyeater) ( <i>Moho braccatus</i> )	1	3/11/1967	9/22/2006	RF(1)	121	2,477,395,000**	30	E	4	7/29/2009	No change to listed status
'O'u (honeycreeper) ( <i>Psittirostra psittacea</i> )	1	3/11/1967	9/22/2006	RF(1)	123	2,477,395,000**	30	E	4	7/31/2009	No change to listed status*
Akekee ( <i>Loxops caeruleirostris</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	2	N/A	Species listed < 5 years
Akepa, Hawaii (honeycreeper) ( <i>Loxops coccineus coccineus</i> )	1	10/13/1970	9/22/2006	RF(1)	175	2,477,395,000**	30	E	8	8/27/2010	No change to listed status*
Akepa, Maui (honeycreeper) ( <i>Loxops coccineus ochraceus</i> )	1	10/13/1970	9/22/2006	RF(1)	5	2,477,395,000**	30	E	6	8/27/2010	No change to listed status*
Akialoa, Kauai (honeycreeper) ( <i>Hemignathus procerus</i> )	1	3/11/1967	9/22/2006	RF(1)	121	2,477,395,000**	30	E	5	7/31/2009	No change to listed status
Akiapola'au (honeycreeper) ( <i>Hemignathus munroi</i> )	1	3/11/1967	9/22/2006	RF(1)	190	2,477,395,000**	30	E	2	8/27/2010	No change to listed status*
Akikiki ( <i>Oreomystis bairdi</i> )	1	5/13/2010	9/22/2006	RF(1)	125	2,477,395,000**	30	E	2	N/A	Species listed < 5 years
Albatross, short-tailed ( <i>Phoebastria (=Diomedea) albatrus</i> )	7	6/2/1970	9/17/2008	F	38	5,520,000	25	E	8	9/26/2014	No change to listed status
Blackbird, yellow-shouldered ( <i>Agelaius xanthomus</i> )	4	12/12/1976	11/12/1996	RF(1)	14	UNK	UNK	E	2	2/2/2011	No change to listed status
Bobwhite, masked (quail) ( <i>Colinus virginianus ridgwayi</i> )	2	3/11/1967	4/21/1995	RF(2)	42	UNK	UNK	E	6	5/8/2014	No change to listed status
Cahow ( <i>Pterodroma cahow</i> )	4	6/2/1970	N/A	N/A	N/A	N/A	N/A	E	1	10/30/2013	No change to listed status
Caracara, Audubon's crested (FL) ( <i>Polyborus plancus audubonii</i> )	4	7/6/1987	5/18/1999	F	22	UNK	UNK	T	8C	8/14/2009	No change to listed status
Condor, California ( <i>Gymnogyps californianus</i> )	8	3/11/1967	4/25/1996	RF(3)	54	UNK	UNK	E	4C	6/4/2013	No change to listed status
Coot, Hawaiian ( <i>Fulica americana alai</i> )	1	10/13/1970	10/28/2011	RF(2)	31	19,063,000*	10	E	8	8/27/2010	No change to listed status*
Crane, Mississippi sandhill ( <i>Grus canadensis pulla</i> )	4	6/4/1973	9/6/1991	RF(3)	16	UNK	UNK	E	6C	N/A	*
Crane, whooping ( <i>Grus americana</i> )	2	3/11/1967	3/30/2007	RF(3)	42	UNK	UNK	E	2C	2/13/2012	No change to listed status

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Creepers, Hawaii ( <i>Oreomystis mana</i> )	1	10/28/1975	9/22/2006	RF(1)	180	2,477,395,000**	30	E	8	8/27/2010	No change to listed status*
Creepers, Molokai ( <i>Paroreomyza flammea</i> )	1	10/13/1970	9/22/2006	RF(1)	4	2,477,395,000**	30	E	5	7/31/2009	No change to listed status*
Creepers, Oahu ( <i>Paroreomyza maculata</i> )	1	10/13/1970	9/22/2006	RF(1)	5	2,477,395,000**	30	E	5	8/8/2013	No change to listed status
Crow, Hawaiian (=alala) ( <i>Corvus hawaiiensis</i> )	1	3/11/1967	4/17/2009	RF(1)	26	UNK	UNK	E	2C	7/31/2009	No change to listed status*
Crow, Mariana (=aga) ( <i>Corvus kubaryi</i> )	1	8/27/1984	1/11/2006	RD(1)	31	661,420,000	49	E	5C	8/12/2014	No change to listed status
Crow, white-necked ( <i>Corvus leucognaphalus</i> )	4	4/3/1991	N/A	N/A	N/A	N/A	N/A	E	11	N/A	*
Curlew, Eskimo ( <i>Numenius borealis</i> )	7	3/11/1967	N/A	N/A	N/A	N/A	N/A	E	5	8/31/2011	No change to listed status
Duck, Hawaiian (=koloa) ( <i>Anas wyvilliana</i> )	1	3/11/1967	10/28/2011	RF(2)	37	19,063,000*	10	E	2	7/31/2009	No change to listed status*
Duck, Laysan ( <i>Anas laysanensis</i> )	1	3/11/1967	9/22/2009	RF(1)	15	UNK	20	E	2	8/25/2014	No change to listed status
Eider, spectacled ( <i>Somateria fischeri</i> )	7	5/10/1993	8/12/1996	F	54	UNK	UNK	T	11	8/26/2010	No change to listed status
Eider, Steller's (AK breeding population) ( <i>Polysticta stelleri</i> )	7	6/11/1997	9/30/2002	F	64	UNK	UNK	T	3	N/A	Not yet initiated
Elepaio, Oahu ( <i>Chasiempis sandwichensis ibidis</i> )	1	4/18/2000	9/22/2006	RF(1)	142	2,477,395,000**	30	E	3	8/8/2013	No change to listed status
Falcon, northern aplomado ( <i>Falco femoralis septentrionalis</i> )	2	2/25/1986	6/8/1990	F	18	UNK	UNK	E	3	8/26/2014	No change to listed status
Finch, Laysan (honeycreeper) ( <i>Telespiza cantans</i> )	1	3/11/1967	10/4/1984	F	18	UNK	UNK	E	2	8/19/2014	No change to listed status
Finch, Nihoa (honeycreeper) ( <i>Telespiza ultima</i> )	1	3/11/1967	10/4/1984	F	18	UNK	UNK	E	2	9/20/2011	No change to listed status
Flycatcher, southwestern willow ( <i>Empidonax traillii extimus</i> )	2	2/27/1995	8/30/2002	F	106	127,466,000	28	E	3C	8/15/2014	No change to listed status
Gnatcatcher, coastal California ( <i>Polioptila californica californica</i> )	8	3/30/1993	N/A	N/A	N/A	N/A	N/A	T	9C	9/29/2010	No change to listed status
Goose, Hawaiian ( <i>Branta (=Nesochen) sandvicensis</i> )	1	3/11/1967	9/24/2004	RD(1)	38	UNK	30	E	2	9/30/2011	No change to listed status
Hawk, Hawaiian (=lo) ( <i>Buteo solitarius</i> )	1	3/11/1967	5/9/1984	F	8	UNK	UNK	E	14	8/6/2008	Delist due to recovery
Hawk, Puerto Rican broad-winged ( <i>Buteo platypterus brunnescens</i> )	4	9/9/1994	9/8/1997	F	10	UNK	UNK	E	6	10/28/2010	No change to listed status
Hawk, Puerto Rican sharp-shinned ( <i>Accipiter striatus venator</i> )	4	9/9/1994	9/8/1997	F	10	UNK	UNK	E	3	N/A	*
Honeycreeper, crested ( <i>Palmeria dolei</i> )	1	3/11/1967	9/22/2006	RF(1)	185	2,477,395,000**	30	E	7	6/5/2014	No change to listed status

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Horned lark, streaked ( <i>Eremophila alpestris strigata</i> )	1	11/4/2013	N/A	N/A	N/A	N/A	N/A	T	5	N/A	Species listed < 5 years
Guam kingfisher ( <i>Todiramphus cinnamominus</i> )	1	8/27/1984	10/3/2008	RF(1)	37	145,830,000	50	E	6	7/24/2014	No change to listed status
Kite, Everglade snail (FL) ( <i>Rostrhamus sociabilis plumbeus</i> )	4	3/11/1967	5/18/1999	F	16	UNK	UNK	E	3C	9/27/2007	No change to listed status
Megapode, Micronesian ( <i>Megapodius laperouse</i> )	1	6/2/1970	4/10/1998	F	8	3,677,000	15	E	9	8/27/2010	No change to listed status*
Millerbird, Nihoa (old world warbler) ( <i>Acrocephalus familiaris kingi</i> )	1	3/11/1967	10/4/1984	F	21	UNK	UNK	E	2	8/27/2010	No change to listed status
Moorhen, Hawaiian common ( <i>Gallinula chloropus sandvicensis</i> )	1	3/11/1967	10/28/2011	RF(2)	34	19,063,000*	10	E	9	8/27/2010	No change to listed status*
Moorhen, Mariana common ( <i>Gallinula chloropus guami</i> )	1	8/27/1984	9/30/1991	F	4	UNK	UNK	E	9C	7/29/2009	No change to listed status*
Murrelet, marbled (CA, OR, WA) ( <i>Brachyramphus marmoratus</i> )	1	10/1/1992	9/24/1997	F	30	UNK	UNK	T	2C	6/12/2009	No change to listed status
Nightjar, Puerto Rican ( <i>Caprimulgus noctitherus</i> )	4	6/4/1973	4/19/1984	F	7	UNK	UNK	E	5C	8/16/2012	No change to listed status
Nukupu`u (honeycreeper) ( <i>Hemignathus lucidus</i> )	1	3/11/1967	9/22/2006	RF(1)	119	2,477,395,000**	30	E	5	8/27/2010	No change to listed status
Owl, Mexican spotted ( <i>Strix occidentalis lucida</i> )	2	3/16/1993	12/18/2012	RF(1)	83	42,628,000	10	T	9C	8/16/2013	No change to listed status
Owl, northern spotted ( <i>Strix occidentalis caurina</i> )	1	6/26/1990	6/28/2011	RF(1)	16	127,100,000	30	T	12C	9/29/2011	No change to listed status
Palila (honeycreeper) ( <i>Loxioides bailleui</i> )	1	3/11/1967	9/22/2006	RF(1)	142	2,477,395,000**	30	E	1	7/31/2009	No change to listed status*
Parrot, Puerto Rican ( <i>Amazona vittata</i> )	4	3/11/1967	5/9/2009	RF(1)	28	UNK	UNK	E	2	9/26/2008	No change to listed status
Parrot, thick-billed ( <i>Rhynchopsitta pachyrhyncha</i> )	2	6/2/1970	6/20/2013	F	5	6,467,000	UNK	E	5C	N/A	Not yet initiated
Parrotbill, Maui (honeycreeper) ( <i>Pseudonestor xanthophrys</i> )	1	3/11/1967	9/22/2006	RF(1)	184	2,477,395,000**	30	E	1	6/5/2014	No change to listed status
Petrel, Hawaiian ( <i>Pterodroma phaeopygia sandwichensis</i> )	1	3/11/1967	4/25/1983	F	24	UNK	UNK	E	2	9/30/2011	No change to listed status
Pigeon, Puerto Rican plain ( <i>Columba inornata wetmorei</i> )	4	10/13/1970	10/14/1982	F	7	UNK	UNK	E	3C	11/22/2011	No change to listed status
Plover, piping (except Great Lakes watershed) ( <i>Charadrius melodus</i> )	5	12/11/1985	05/12/1988, 05/02/1996	F, RF(1)	39	UNK	UNK, 14	T	2C	9/29/2009	No change to listed status
Plover, piping (Great Lakes watershed) ( <i>Charadrius melodus</i> )	3	12/11/1985	9/8/2003	F	47	3,459,000	15	E	2C	9/28/2009	No change to listed status
Plover, western snowy (Pacific Coast pop. DPS) ( <i>Charadrius nivosus nivosus</i> )	8	3/5/1993	8/13/2007	F	87	149,946,000	40	T	3C	6/8/2006	No change to listed status*
Po'ouli (honeycreeper) ( <i>Melamprosops phaeosoma</i> )	1	10/28/1975	9/22/2006	RF(1)	177	2,477,395,000**	30	E	4	8/27/2010	No change to listed status*

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Prairie-chicken, Attwater's greater ( <i>Tympanuchus cupido attwateri</i> )	2	3/11/1967	3/17/2010	RF(2)	44	192,531,000	50	E	6	4/28/2010	No change to listed status
Prairie-chicken, lesser ( <i>Tympanuchus pallidicinctus</i> )	2	5/12/2014	N/A	N/A	N/A	N/A	N/A	T	UNK	N/A	Species listed < 5 years
Rail, California clapper ( <i>Rallus longirostris obsoletus</i> )	8	10/13/1970	8/27/2013	F	3	1,242,501,640**	50	E	3C	4/29/2013	No change to listed status
Rail, Guam ( <i>Rallus owstoni</i> )	1	4/11/1984	9/28/1990	F	50	UNK	UNK	E	2	8/20/2014	No change to listed status
Rail, light-footed clapper ( <i>Rallus longirostris levipes</i> )	8	10/13/1970	6/24/1985	RF(1)	131	UNK	UNK	E	6	8/10/2009	No change to listed status*
Rail, Yuma clapper ( <i>Rallus longirostris yumanensis</i> )	2	3/11/1967	2/10/2010	RD(1)	12	883,000	10	E	6	9/11/2006	No change to listed status*
scrub-jay, Florida ( <i>Aphelocoma coerulescens</i> )	4	6/3/1987	5/9/1990	F	19	UNK	UNK	T	8C	9/28/2007	No change to listed status
Shearwater, Newell's Townsend's ( <i>Puffinus auricularis newelli</i> )	1	10/28/1975	4/25/1983	F	25	UNK	UNK	T	3	9/30/2011	Reclassify to E
Shrike, San Clemente loggerhead ( <i>Lanius ludovicianus mearnsi</i> )	8	9/12/1977	1/26/1984	F	19	UNK	UNK	E	12	6/17/2009	No change to listed status*
Sparrow, Cape Sable seaside ( <i>Ammodramus maritimus mirabilis</i> )	4	3/11/1967	5/18/1999	F	9	UNK	UNK	E	3C	8/18/2010	No change to listed status
Sparrow, Florida grasshopper ( <i>Ammodramus savannarum floridanus</i> )	4	7/31/1986	5/18/1999	F	17	UNK	UNK	E	3C	9/30/2008	No change to listed status
Sparrow, San Clemente sage ( <i>Amphispiza belli clementeae</i> )	8	9/12/1977	1/26/1984	F	18	UNK	UNK	T	9	8/13/2009	No change to listed status*
Stilt, Hawaiian ( <i>Himantopus mexicanus knudseni</i> )	1	10/13/1970	10/28/2011	RF(2)	33	19,063,000*	10	E	9	8/27/2010	No change to listed status
Stork, wood (AL, FL, GA, MS, NC, SC) ( <i>Mycteria americana</i> )	4	2/28/1984	1/27/1997	RF(1)	29	1,095,000	28	T	5C	9/21/2007	Reclassify to T
Swiftlet, Mariana gray ( <i>Aerodramus vanikorensis bartschi</i> )	1	8/27/1984	9/30/1991	F	19	UNK	UNK	E	8	8/27/2010	No change to listed status*
Tern, California least ( <i>Sterna antillarum browni</i> )	8	6/2/1970	9/27/1985	RF(1)	72	UNK	UNK	E	15C	9/26/2006	Reclassify to T*
Tern, least (Interior pop.) ( <i>Sterna antillarum</i> )	4	5/28/1985	9/19/1990	F	36	2,000,000	15	E	3C	10/24/2013	Delist due to recovery
Tern, roseate (U.S.A. (Atlantic Coast south to NC), Canada (Newf., N.S., Que.), Bermuda) ( <i>Sterna dougallii dougallii</i> )	5	11/2/1987	11/5/1998	RF(1)	30	UNK	UNK	E	3	9/30/2010	No change to listed status
Tern, roseate (Western Hemisphere except where listed as E) ( <i>Sterna dougallii dougallii</i> )	4	11/2/1987	9/24/1993	F	8	UNK	UNK	T	3	9/30/2010	No change to listed status
Thrush, large Kauai (=kamao) ( <i>Myadestes myadestinus</i> )	1	10/13/1970	9/22/2006	RF(1)	121	2,477,395,000**	30	E	5	7/31/2009	No change to listed status
Thrush, Molokai ( <i>Myadestes lanaiensis rutha</i> )	1	10/13/1970	9/22/2006	RF(1)	5	2,477,395,000**	30	E	5	7/29/2009	No change to listed status*
Thrush, small Kauai (=puaiohi) ( <i>Myadestes palmeri</i> )	1	3/11/1967	9/22/2006	RF(1)	126	2,477,395,000**	30	E	2	7/31/2009	No change to listed status

<sup>1</sup>Earlier drafts and final plans for some individual species may have become incorporated into later multi-species or ecosystem plans.

\*5-Year Review in progress as of September 30, 2014

\*\*See Estimated Cost to Recovery Description

Recovery Data as of September 30, 2014

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Active Plan Date	Plan Status <sup>1</sup>	Number of Recovery Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	Five-Year Review Status Recommendation
Towhee, Inyo California ( <i>Pipilo crissalis eremophilus</i> )	8	8/3/1987	4/10/1998	F	17	635,000	13	T	15	11/4/2013	Delist due to recovery
Vireo, black-capped ( <i>Vireo atricapilla</i> )	2	10/6/1987	9/30/1991	F	28	UNK	UNK	E	8	7/26/2007	Reclassify to T
Vireo, least Bell's ( <i>Vireo bellii pusillus</i> )	8	5/2/1986	5/6/1998	D	34	UNK	UNK	E	9C	9/26/2006	Reclassify to T*
Warbler (=wood), Bachman's ( <i>Vermivora bachmanii</i> )	4	3/11/1967	Exempt	Exempt	Exempt	Exempt	Exempt	E	5	2/9/2007	No change to listed status
Warbler (=wood), golden-cheeked ( <i>Dendroica chrysoparia</i> )	2	5/4/1990	9/30/1992	F	9	11,889,000	16	E	2C	8/26/2014	No change to listed status
Warbler, Kirtland's ( <i>Setophaga kirtlandii</i> (= <i>Dendroica kirtlandii</i> ))	3	3/11/1967	9/30/1985	RF(1)	22	UNK	UNK	E	8	8/21/2012	Reclassify to T
Warbler, nightingale reed (old world warbler) ( <i>Acrocephalus luscini</i> )	1	6/2/1970	4/10/1998	F	8	4,150,000	15	E	8C	7/8/2010	No change to listed status*
White-eye, bridled ( <i>Zosterops conspicillatus conspicillatus</i> )	1	8/27/1984	9/28/1990	F	10	UNK	UNK	E	3	7/31/2009	Delist due to extinction*
White-eye, Rota bridled ( <i>Zosterops rotensis</i> )	1	1/22/2004	10/19/2007	F	16	UNK	UNK	E	2	8/12/2014	No change to listed status
Woodpecker, ivory-billed ( <i>Campephilus principalis</i> )	4	3/11/1967	4/16/2010	F	N/A	UNK	UNK	E	5	N/A	Not yet initiated
Woodpecker, red-cockaded ( <i>Picoides borealis</i> )	4	10/13/1970	1/27/2003	RF(2)	246	UNK	UNK	E	8C	10/5/2006	No change to listed status
<b>Clams</b>											
Acornshell, southern ( <i>Epioblasma othcaloogensis</i> )	4	3/17/1993	11/17/2000	F	27	UNK	UNK	E	5	4/7/2008	Delist due to extinction
Bankclimber, purple (mussel) ( <i>Elliptioideus sloatianus</i> )	4	3/16/1998	9/19/2003	F	26	5,492,000**	UNK	T	11	9/17/2007	No change to listed status
Bean, Choctaw ( <i>Villosa choctawensis</i> )	4	10/10/2012	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Bean, Cumberland (pearlymussel) ( <i>Villosa trabalis</i> )	4	6/14/1976	8/22/1984	F	15	UNK	UNK	E	5C	6/21/2010	No change to listed status
Bean, purple ( <i>Villosa perpurpurea</i> )	5	1/10/1997	5/24/2004	F	24	UNK	UNK	E	5	10/24/2006	No change to listed status*
Bean, rayed ( <i>Villosa fabalis</i> )	3	3/15/2012	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Blossom, green (pearlymussel) ( <i>Epioblasma torulosa gubernaculum</i> )	4	6/14/1976	7/9/1984	F	4	UNK	UNK	E	6	9/21/2007	Delist due to extinction
Blossom, tubercled (pearlymussel) ( <i>Epioblasma torulosa torulosa</i> )	4	6/14/1976	1/25/1985	F	2	UNK	UNK	E	6	8/12/2011	No change to listed status
Blossom, turgid (pearlymussel) ( <i>Epioblasma turgidula</i> )	4	6/14/1976	1/25/1985	F	2	UNK	UNK	E	5	9/21/2007	Delist due to extinction
Blossom, yellow (pearlymussel) ( <i>Epioblasma florentina florentina</i> )	4	6/14/1976	1/25/1985	F	2	UNK	UNK	E	6	9/21/2007	Delist due to extinction

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\*5-Year Review in progress as of September 30, 2014

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## Recovery Data as of September 30, 2014

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Active Plan Date	Plan Status <sup>1</sup>	Number of Recovery Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	Five-Year Review Status Recommendation
Catspaw, white (pearlymussel) ( <i>Epioblasma obliquata perobliqua</i> )	3	6/14/1976	1/25/1990	F	4	UNK	UNK	E	6C	2/28/2013	No change to listed status
Clubshell ( <i>Pleurobema clava</i> )	5	1/22/1993	9/21/1994	F	11	2,722,000**	25	E	5	9/1/2009	No change to listed status
Clubshell, black ( <i>Pleurobema curtum</i> )	4	4/7/1987	11/14/1989	F	7	UNK	UNK	E	5C	4/27/2009	No change to listed status*
Clubshell, ovate ( <i>Pleurobema perovatum</i> )	4	3/17/1993	11/17/2000	F	27	UNK	UNK	E	5	4/7/2008	No change to listed status
Clubshell, southern ( <i>Pleurobema decisum</i> )	4	3/17/1993	11/17/2000	F	26	UNK	UNK	E	8	4/7/2008	No change to listed status
Combshell, Cumberlandian ( <i>Epioblasma brevidens</i> )	4	1/10/1997	5/24/2004	F	24	UNK	UNK	E	5	9/19/2007	No change to listed status
Combshell, southern ( <i>Epioblasma penita</i> )	4	4/7/1987	11/14/1989	F	7	UNK	UNK	E	2C	4/27/2009	No change to listed status*
Combshell, upland ( <i>Epioblasma metastrata</i> )	4	3/17/1993	11/17/2000	F	27	UNK	UNK	E	5	4/7/2008	Delist due to extinction
Ebonysshell, round ( <i>Fusconaia rotulata</i> )	4	10/10/2012	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Elktoe, Appalachian ( <i>Alasmidonta raveneliana</i> )	4	11/23/1994	8/26/1996	F	11	422,500	UNK	E	5C	3/3/2009	No change to listed status*
Elktoe, Cumberland ( <i>Alasmidonta atropurpurea</i> )	4	1/10/1997	5/24/2004	F	24	UNK	UNK	E	5	1/24/2007	No change to listed status
Fanshell ( <i>Cyprogenia stegaria</i> )	4	6/21/1990	7/9/1991	F	11	UNK	UNK	E	5	N/A	*
fatmucket, Arkansas ( <i>Lampsilis powellii</i> )	4	4/5/1990	2/10/1992	F	10	UNK	UNK	T	8	12/12/2013	Reclassify to E
Heelsplitter, Alabama (=inflated) ( <i>Potamilus inflatus</i> )	4	9/28/1990	4/13/1993	F	7	810,000	12	T	8C	N/A	*
Heelsplitter, Carolina ( <i>Lasmigona decorata</i> )	4	6/30/1993	1/17/1997	F	12	422,500	UNK	E	5C	6/20/2012	No change to listed status
Higgins eye (pearlymussel) ( <i>Lampsilis higginsii</i> )	3	6/14/1976	5/12/2004	RF(1)	20	3,800,000	47	E	5C	5/9/2006	No change to listed status*
Kidneyshell, fluted ( <i>Ptychobranthus subtentum</i> )	4	10/28/2013	N/A	N/A	N/A	N/A	N/A	E	2	N/A	Species listed < 5 years
Kidneyshell, southern ( <i>Ptychobranthus jonesi</i> )	4	10/10/2012	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Kidneyshell, triangular ( <i>Ptychobranthus greenii</i> )	4	3/17/1993	11/17/2000	F	27	UNK	UNK	E	8	4/7/2008	No change to listed status
Lampmussel, Alabama ( <i>Lampsilis virescens</i> )	4	6/14/1976	7/2/1985	F	15	UNK	UNK	E	8	8/28/2012	No change to listed status
Lilliput, pale (pearlymussel) ( <i>Toxolasma cylindrellus</i> )	4	6/14/1976	8/22/1984	F	13	UNK	UNK	E	5	8/31/2011	No change to listed status
Mapleleaf, winged ( <i>Quadrula fragosa</i> )	3	6/20/1991	6/25/1997	F	34	1,124,500	UNK	E	2C	N/A	*

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\*5-Year Review in progress as of September 30, 2014

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## Recovery Data as of September 30, 2014

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Active Plan Date	Plan Status <sup>1</sup>	Number of Recovery Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	Five-Year Review Status Recommendation
Moccasinshell, Alabama ( <i>Medionidus acutissimus</i> )	4	3/17/1993	11/17/2000	F	27	UNK	UNK	T	8	4/7/2008	No change to listed status
Moccasinshell, Coosa ( <i>Medionidus parvulus</i> )	4	3/17/1993	11/17/2000	F	27	UNK	UNK	E	5	4/7/2008	No change to listed status
Moccasinshell, Gulf ( <i>Medionidus penicillatus</i> )	4	3/16/1998	9/19/2003	F	25	5,492,000**	UNK	E	5	9/17/2007	No change to listed status
Moccasinshell, Ochlockonee ( <i>Medionidus simpsonianus</i> )	4	3/16/1998	9/19/2003	F	26	5,492,000**	UNK	E	5	9/17/2007	No change to listed status
Monkeyface, Appalachian (pearlymussel) ( <i>Quadrula sparsa</i> )	5	6/14/1976	7/9/1984	F	21	UNK	UNK	E	5	N/A	*
Monkeyface, Cumberland (pearlymussel) ( <i>Quadrula intermedia</i> )	4	6/14/1976	7/9/1984	F	16	UNK	UNK	E	5C	7/28/2011	No change to listed status
Mucket, Neosho ( <i>Lampsilis rafinesqueana</i> )	4	10/17/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Mucket, orangenacre ( <i>Lampsilis perovalis</i> )	4	3/17/1993	11/17/2000	F	27	UNK	UNK	T	8	4/7/2008	No change to listed status
Mucket, pink (pearlymussel) ( <i>Lampsilis abrupta</i> )	4	6/14/1976	1/24/1985	F	5	UNK	UNK	E	5	N/A	*
Mussel, oyster ( <i>Epioblasma capsaeformis</i> )	4	1/10/1997	5/24/2004	F	24	UNK	UNK	E	5	7/12/2011	No change to listed status
Mussel, scaleshell ( <i>Leptodea leptodon</i> )	3	10/9/2001	2/16/2010	F	21	26,381,000	45	E	2	12/10/2010	No change to listed status*
Mussel, sheeponose ( <i>Plethobasus cyphus</i> )	3	4/12/2012	N/A	N/A	N/A	N/A	N/A	E	1	N/A	Species listed < 5 years
Mussel, snuffbox ( <i>Epioblasma triquetra</i> )	3	3/15/2012	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Pearlshell, Alabama ( <i>Margaritifera marrianae</i> )	4	10/10/2012	N/A	N/A	N/A	N/A	N/A	E	UNK	N/A	Species listed < 5 years
Pearlshell, Louisiana ( <i>Margaritifera hembeli</i> )	4	2/5/1988	12/3/1990	F	3	UNK	UNK	T	8	2/22/2011	No change to listed status
Pearlymussel, birdwing ( <i>Lemiox rimosus</i> )	4	6/14/1976	7/9/1984	F	17	UNK	UNK	E	4C	8/19/2011	No change to listed status
Pearlymussel, cracking ( <i>Hemistena lata</i> )	4	9/28/1989	7/11/1991	F	10	UNK	UNK	E	4	8/19/2011	No change to listed status
Pearlymussel, Curtis ( <i>Epioblasma florentina curtisii</i> )	3	6/14/1976	2/4/1986	F	8	169,000	4	E	6	3/2/2010	No change to listed status*
Pearlymussel, dromedary ( <i>Dromus dromas</i> )	4	6/14/1976	7/9/1984	F	16	UNK	UNK	E	4C	8/19/2011	No change to listed status
Pearlymussel, littlewing ( <i>Pegias fabula</i> )	4	11/14/1988	9/22/1989	F	5	UNK	UNK	E	4	11/1/2013	No change to listed status
Pearlymussel, slabside ( <i>Pleuronaia dolabelloides</i> )	4	10/28/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Pigtoe, Cumberland ( <i>Pleurobema gibberum</i> )	4	5/7/1991	8/13/1992	F	6	618,500	UNK	E	5	N/A	*

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## Recovery Data as of September 30, 2014

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Active Plan Date	Plan Status <sup>1</sup>	Number of Recovery Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	Five-Year Review Status Recommendation
Pigtoe, dark ( <i>Pleurobema furvum</i> )	4	3/17/1993	11/17/2000	F	27	UNK	UNK	E	5	4/7/2008	No change to listed status
Pigtoe, finereyed ( <i>Fusconaia cuneolus</i> )	4	6/14/1976	9/19/1984	F	13	UNK	UNK	E	5	10/23/2013	No change to listed status
Pigtoe, flat ( <i>Pleurobema marshalli</i> )	4	4/7/1987	11/14/1989	F	7	UNK	UNK	E	5	4/27/2009	Delist due to extinction*
Pigtoe, fuzzy ( <i>Pleurobema strodeanum</i> )	4	10/10/2012	N/A	N/A	N/A	N/A	N/A	T	11	N/A	Species listed < 5 years
Pigtoe, Georgia ( <i>Pleurobema hanleyianum</i> )	4	12/2/2010	10/30/2014	D	N/A	UNK	UNK	E	5	N/A	Species listed < 5 years
Pigtoe, heavy ( <i>Pleurobema taitianum</i> )	4	4/7/1987	11/14/1989	F	7	UNK	UNK	E	5C	4/27/2009	No change to listed status
Pigtoe, narrow ( <i>Fusconaia escambia</i> )	4	10/10/2012	N/A	N/A	N/A	N/A	N/A	T	11	N/A	Species listed < 5 years
Pigtoe, oval ( <i>Pleurobema pyriforme</i> )	4	3/16/1998	9/19/2003	F	26	5,492,000**	UNK	E	5	9/17/2007	No change to listed status
Pigtoe, rough ( <i>Pleurobema plenum</i> )	4	6/14/1976	8/6/1984	F	9	UNK	UNK	E	5	9/1/2014	No change to listed status
Pigtoe, shiny ( <i>Fusconaia cor</i> )	4	6/14/1976	7/9/1984	F	11	UNK	UNK	E	5	10/23/2013	No change to listed status
Pigtoe, southern ( <i>Pleurobema georgianum</i> )	4	3/17/1993	11/17/2000	F	27	UNK	UNK	E	5	4/7/2008	No change to listed status
Pigtoe, tapered ( <i>Fusconaia burkei</i> )	4	10/10/2012	N/A	N/A	N/A	N/A	N/A	T	11	N/A	Species listed < 5 years
Pimpleback, orangefoot (pearlymussel) ( <i>Plethobasus cooperianus</i> )	4	6/14/1976	9/30/1984	F	9	UNK	UNK	E	5	N/A	*
Pocketbook, fat ( <i>Potamilus capax</i> )	4	6/14/1976	11/14/1989	F	10	UNK	UNK	E	8	3/30/2012	No change to listed status
Pocketbook, finelined ( <i>Lampsilis altilis</i> )	4	3/17/1993	11/17/2000	F	27	UNK	UNK	T	8	4/7/2008	No change to listed status
Pocketbook, Ouachita rock ( <i>Arkansia wheeleri</i> )	2	10/23/1991	3/30/2004	F	5	UNK	UNK	E	4C	N/A	*
Pocketbook, shinyrayed ( <i>Lampsilis subangulata</i> )	4	3/16/1998	9/19/2003	F	26	5,492,000**	UNK	E	5	9/17/2007	No change to listed status
Pocketbook, speckled ( <i>Lampsilis streckeri</i> )	4	2/28/1989	1/2/1992	F	10	UNK	UNK	E	8	1/9/2007	No change to listed status*
Purple Cat's paw (=Purple Cat's paw pearlymussel) ( <i>Epioblasma obliquata obliquata</i> )	3	7/10/1990	3/10/1992	F	3	UNK	UNK	E	6	9/24/2010	No change to listed status
Rabbitsfoot ( <i>Quadrula cylindrica cylindrica</i> )	4	10/17/2013	N/A	N/A	N/A	N/A	N/A	T	12	N/A	Species listed < 5 years
Rabbitsfoot, rough ( <i>Quadrula cylindrica strigillata</i> )	5	1/10/1997	5/24/2004	F	24	UNK	UNK	E	6	N/A	*
Riffleshell, northern ( <i>Epioblasma torulosa rangiana</i> )	5	1/22/1993	9/21/1994	F	12	2,722,000**	25	E	6	9/1/2009	No change to listed status

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Recovery Data as of September 30, 2014

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Species Name	Lead Region	Date Listed	Active Plan Date	Plan Status <sup>1</sup>	Number of Recovery Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	Five-Year Review Status Recommendation
Riffleshell, tan ( <i>Epioblasma florentina walkeri</i> (=E. walkeri))	4	9/26/1977	10/22/1984	F	12	UNK	UNK	E	5	9/26/2013	No change to listed status
Ring pink (mussel) ( <i>Obovaria retusa</i> )	4	9/29/1989	3/25/1991	F	7	UNK	UNK	E	5	8/18/2011	No change to listed status
sandshell, Southern ( <i>Hamiota australis</i> )	4	10/10/2012	N/A	N/A	N/A	N/A	N/A	T	11	N/A	Species listed < 5 years
Slabshell, Chipola ( <i>Elliptio chipolaensis</i> )	4	3/16/1998	9/19/2003	F	25	5,492,000**	UNK	T	11	9/17/2007	No change to listed status
Spectaclecase (mussel) ( <i>Cumberlandia monodonta</i> )	3	4/12/2012	N/A	N/A	N/A	N/A	N/A	E	1	N/A	Species listed < 5 years
Spiny mussel, Altamaha ( <i>Elliptio spinosa</i> )	4	11/10/2011	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Spiny mussel, James ( <i>Pleurobema collina</i> )	5	7/22/1988	9/24/1990	F	13	UNK	UNK	E	8	N/A	*
Spiny mussel, Tar River ( <i>Elliptio steinstansana</i> )	4	6/27/1985	5/5/1992	RF(1)	13	UNK	UNK	E	5C	N/A	*
Stirrupshell ( <i>Quadrula stapes</i> )	4	4/7/1987	11/14/1989	F	7	UNK	UNK	E	5	4/27/2009	Delist due to extinction*
Threeridge, fat (mussel) ( <i>Amblema neislerii</i> )	4	3/16/1998	9/19/2003	F	25	5,492,000**	UNK	E	5	9/17/2007	No change to listed status
Wartyback, white (pearly mussel) ( <i>Plethobasus cicatricosus</i> )	4	6/14/1976	9/19/1984	F	7	UNK	UNK	E	5	N/A	*
Wedgemussel, dwarf ( <i>Alasmidonta heterodon</i> )	5	3/14/1990	2/8/1993	F	9	UNK	UNK	E	5	7/25/2007	No change to listed status
<b>Conifers and Cycads</b>											
Cypress, Gowen ( <i>Cupressus goveniana</i> ssp. <i>goveniana</i> )	8	8/12/1998	8/19/2004	F	3	1,645,000**	12	T	8C	3/28/2012	No change to listed status
Cypress, Santa Cruz ( <i>Cupressus abramsiana</i> )	8	1/8/1987	9/26/1998	F	3	51,500	5	E	14	9/3/2013	Reclassify to T
Torreya, Florida ( <i>Torreya taxifolia</i> )	4	1/23/1984	9/9/1986	F	21	UNK	UNK	E	5C	7/30/2010	No change to listed status
<b>Crustaceans</b>											
Amphipod, diminutive ( <i>Gammarus hyalleloides</i> )	2	7/9/2013	N/A	N/A	N/A	N/A	N/A	E	UNK	N/A	Species listed < 5 years
Amphipod, Hay's Spring ( <i>Stygobromus hayi</i> )	5	2/5/1982	Exempt	Exempt	Exempt	Exempt	Exempt	E	5	6/18/2013	No change to listed status
Amphipod, Illinois cave ( <i>Gammarus acherondytes</i> )	3	9/3/1998	9/20/2002	F	12	8,250,000	20	E	11C	9/30/2011	No change to listed status
Amphipod, Kauai cave ( <i>Spelaeorchestia koloana</i> )	1	1/14/2000	7/19/2006	F	11	3,445,000**	30	E	1C	9/29/2006	No change to listed status
Amphipod, Noel's ( <i>Gammarus desperatus</i> )	2	8/9/2005	N/A	N/A	N/A	N/A	N/A	E	5	12/28/2010	No change to listed status

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\*5-Year Review in progress as of September 30, 2014

\*\*See Estimated Cost to Recovery Description

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Species Name	Lead Region	Date Listed	Active Plan Date	Plan Status <sup>1</sup>	Number of Recovery Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	Five-Year Review Status Recommendation
Amphipod, Pecos ( <i>Gammarus pecos</i> )	2	7/9/2013	N/A	N/A	N/A	N/A	N/A	E	UNK	N/A	Species listed < 5 years
Amphipod, Peck's cave ( <i>Stygobromus (=Stygonectes) pecki</i> )	2	12/18/1997	2/14/1996	RF(1)	25	UNK	UNK	E	2C	N/A	*
Crayfish, cave ( <i>Cambarus aculabrum</i> )	4	4/27/1993	10/30/1996	F	13	UNK	UNK	E	5	5/10/2013	No change to listed status
Crayfish, cave ( <i>Cambarus zophonastes</i> )	4	4/7/1987	9/26/1988	F	10	UNK	UNK	E	5	8/13/2012	No change to listed status
Crayfish, Nashville ( <i>Orconectes shoupi</i> )	4	9/26/1986	2/8/1989	RF(1)	10	UNK	UNK	E	11C	N/A	*
Crayfish, Shasta ( <i>Pacifastacus fortis</i> )	8	9/30/1988	8/28/1998	F	51	4,500,000	15	E	5	8/17/2009	No change to listed status*
Fairy shrimp, Conservancy ( <i>Branchinecta conservatio</i> )	8	9/19/1994	12/15/2005	F	10	1,087,862,000**	58	E	8	6/29/2012	No change to listed status
Fairy shrimp, longhorn ( <i>Branchinecta longiantenna</i> )	8	9/19/1994	12/15/2005	F	9	1,087,862,000**	58	E	8	6/20/2012	No change to listed status
Fairy shrimp, Riverside ( <i>Streptocephalus woottoni</i> )	8	8/3/1993	9/3/1998	F	12	UNK	UNK	E	8C	9/30/2008	No change to listed status*
Fairy shrimp, San Diego ( <i>Branchinecta sandiegonensis</i> )	8	2/3/1997	9/3/1998	F	12	UNK	UNK	E	8C	9/30/2008	No change to listed status*
Fairy shrimp, vernal pool ( <i>Branchinecta lynchi</i> )	8	9/19/1994	12/15/2005	F	17	1,087,862,000**	58	T	2C	9/28/2007	No change to listed status*
Isopod, Lee County cave ( <i>Lirceus usdagalun</i> )	5	11/20/1992	9/30/1997	F	16	UNK	12	E	8	9/30/2008	No change to listed status
Isopod, Madison Cave ( <i>Antrolana lira</i> )	5	10/4/1982	9/30/1996	F	8	419,000	10	T	4	N/A	*
Isopod, Socorro ( <i>Thermosphaeroma thermophilus</i> )	2	4/26/1978	2/16/1982	F	8	UNK	UNK	E	2	11/24/2009	No change to listed status
Shrimp, Alabama cave ( <i>Palaemonias alabamiae</i> )	4	9/7/1988	9/4/1997	F	7	UNK	UNK	E	5	8/29/2006	No change to listed status*
Shrimp, anchialine pool ( <i>Vetericaris chaceorum</i> )	1	11/29/2013	N/A	N/A	N/A	N/A	N/A	E	UNK	N/A	Species listed < 5 years
Shrimp, California freshwater ( <i>Syncaris pacifica</i> )	8	10/31/1988	7/31/1998	F	9	39,747,000	10	E	7C	9/8/2011	No change to listed status
Shrimp, Kentucky cave ( <i>Palaemonias ganteri</i> )	4	10/12/1983	10/7/1988	F	5	UNK	UNK	E	5	4/30/2010	No change to listed status
Shrimp, Squirrel Chimney Cave ( <i>Palaemonetes cummingi</i> )	4	6/21/1990	Exempt	Exempt	Exempt	Exempt	Exempt	T	5C	6/28/2008	No change to listed status
Tadpole shrimp, vernal pool ( <i>Lepidurus packardii</i> )	8	9/19/1994	12/15/2005	F	13	1,087,862,000**	58	E	2C	9/28/2007	No change to listed status*
<b>Ferns and Allies</b>											
aumakua, Palapalai ( <i>Dryopteris crinalis var. podosorus</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	6	N/A	Species listed < 5 years

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Diellia, asplenium-leaved ( <i>Diellia erecta</i> )	1	11/10/1994	7/10/1999	F	18	33,900,000**	11	E	5	4/7/2009	No change to listed status*
Fern, Alabama streak-sorus ( <i>Thelypteris pilosa</i> var. <i>alabamensis</i> )	4	7/8/1992	10/25/1996	F	2	UNK	UNK	T	9	3/31/2014	No change to listed status
Fern, Aleutian shield ( <i>Polystichum aleuticum</i> )	7	2/17/1988	9/30/1992	F	N/A	UNK	UNK	E	8	9/26/2007	No change to listed status
Fern, American hart's-tongue ( <i>Asplenium scolopendrium</i> var. <i>americanum</i> )	5	7/14/1989	9/15/1993	F	14	373,200	6	T	9	10/31/2012	No change to listed status
Fern, Elfin tree ( <i>Cyathea dryopteroides</i> )	4	6/16/1987	1/31/1991	F	4	UNK	UNK	E	5	9/1/2013	No change to listed status
Fern, pendant kahi ( <i>Adenophorus periens</i> )	1	11/10/1994	7/10/1999	F	19	33,900,000**	11	E	5	8/27/2010	No change to listed status*
Ihi' ihi ( <i>Marsilea villosa</i> )	1	6/22/1992	4/18/1996	F	40	UNK	UNK	E	8	8/29/2011	No change to listed status
No common name ( <i>Adiantum vivesii</i> )	4	6/9/1993	1/17/1995	F	7	UNK	UNK	E	17	6/10/2008	Delist due to error
No common name ( <i>Asplenium fragile insulare</i> )	1	9/26/1994	4/10/1998	F	18	4,742,000**	15	E	6	8/28/2012	No change to listed status
No common name ( <i>Asplenium dielfalcatum</i> )	1	10/29/1991	8/10/1998	F	21	UNK	UNK	E	8	8/2/2011	No change to listed status
No common name ( <i>Asplenium dielmannii</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
No common name ( <i>Asplenium dielpallidum</i> )	1	2/25/1994	9/20/1995	F	37	UNK	UNK	E	5	1/18/2008	No change to listed status
No common name ( <i>Asplenium unisorum</i> )	1	6/27/1994	8/10/1998	F	20	UNK	UNK	E	11	8/2/2011	No change to listed status
No common name ( <i>Diplazium molokaiense</i> )	1	9/26/1994	4/10/1998	F	18	4,742,000**	15	E	5	3/12/2014	No change to listed status
No common name ( <i>Doryopteris angelica</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
No common name ( <i>Doryopteris takeuchii</i> )	1	10/18/2012	N/A	N/A	N/A	N/A	N/A	E	2	N/A	Species listed < 5 years
No common name ( <i>Elaphoglossum serpens</i> )	4	6/9/1993	1/17/1995	F	7	UNK	UNK	E	5	1/15/2010	No change to listed status
No common name ( <i>Polystichum calderonense</i> )	4	6/9/1993	1/17/1995	F	7	UNK	UNK	E	5	1/15/2010	No change to listed status
No common name ( <i>Pteris lidgatei</i> )	1	9/26/1994	4/10/1998	F	18	4,742,000**	15	E	5	6/5/2014	No change to listed status
No common name ( <i>Tectaria estremerana</i> )	4	6/9/1993	1/17/1995	F	7	UNK	UNK	E	8	1/15/2010	No change to listed status
No common name ( <i>Thelypteris inabonensis</i> )	4	7/2/1993	1/17/1995	F	7	UNK	UNK	E	5	N/A	*
No common name ( <i>Thelypteris verecunda</i> )	4	7/2/1993	1/17/1995	F	7	UNK	UNK	E	5	N/A	*

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No common name ( <i>Thelypteris yaucoensis</i> )	4	7/2/1993	1/17/1995	F	7	UNK	UNK	E	5	N/A	*
Pauoa ( <i>Ctenitis squamigera</i> )	1	9/26/1994	4/10/1998	F	18	4,742,000**	15	E	5	7/30/2013	No change to listed status
Quillwort, black spored ( <i>Isoetes melanospora</i> )	4	2/5/1988	7/7/1993	F	8	UNK	UNK	E	5	9/30/2008	No change to listed status
Quillwort, Louisiana ( <i>Isoetes louisianensis</i> )	4	10/28/1992	9/30/1996	F	10	UNK	UNK	E	14	6/20/2012	No change to listed status
Quillwort, mat-forming ( <i>Isoetes tegetiformans</i> )	4	2/5/1988	7/7/1993	F	8	UNK	UNK	E	5	9/30/2008	No change to listed status
Wawae`iole ( <i>Huperzia mannii</i> )	1	5/15/1992	7/29/1997	F	24	UNK	UNK	E	5	3/27/2014	No change to listed status
Wawae`iole ( <i>Huperzia nutans</i> )	1	3/28/1994	8/10/1998	F	19	UNK	UNK	E	5	8/19/2013	No change to listed status
<b>Fishes</b>											
Catfish, Yaqui ( <i>Ictalurus pricei</i> )	2	8/31/1984	3/29/1995	F	25	UNK	UNK	T	8C	N/A	*
Cavefish, Alabama ( <i>Speoplatyrhinus poulsoni</i> )	4	10/11/1977	10/25/1990	RF(2)	7	UNK	UNK	E	1	N/A	*
Cavefish, Ozark ( <i>Amblyopsis rosae</i> )	4	11/1/1984	11/14/1989	F	9	UNK	UNK	T	8	9/19/2011	No change to listed status
Chub, bonytail ( <i>Gila elegans</i> )	6	4/23/1980	8/1/2002	RF(1)	41	UNK	22	E	5C	8/30/2012	No change to listed status
Chub, Borax Lake ( <i>Gila boraxobius</i> )	1	5/28/1980	2/4/1987	F	19	UNK	UNK	E	2	8/23/2012	Reclassify to T
Chub, Chihuahua ( <i>Gila nigrescens</i> )	2	10/11/1983	4/14/1986	F	9	UNK	UNK	T	5	1/13/2010	Reclassify to E
Chub, Gila ( <i>Gila intermedia</i> )	2	11/2/2005	N/A	N/A	N/A	N/A	N/A	E	2C	N/A	*
Chub, humpback ( <i>Gila cypha</i> )	6	3/11/1967	9/19/1990	RF(2)	31	59,000,000	13	E	2C	8/12/2011	No change to listed status
Chub, Hutton tui ( <i>Gila bicolor ssp.</i> )	1	3/28/1985	4/27/1998	F	11	UNK	UNK	T	15	8/7/2013	No change to listed status
Chub, Mohave tui ( <i>Gila bicolor ssp. mohavensis</i> )	8	10/13/1970	9/12/1984	F	31	UNK	UNK	E	6	2/4/2009	No change to listed status*
Chub, Oregon ( <i>Oregonichthys crameri</i> )	1	10/18/1993	9/3/1998	F	52	UNK	UNK	T	14	2/11/2008	Reclassify to T*
Chub, Pahrnagat roundtail ( <i>Gila robusta jordani</i> )	8	10/13/1970	5/26/1998	F	2	892,000**	17	E	3C	N/A	*
Chub, slender ( <i>Erimystax cahni</i> )	4	10/11/1977	7/29/1983	F	8	UNK	UNK	T	5	N/A	*
Chub, Sonora ( <i>Gila ditaenia</i> )	2	4/30/1986	9/30/1992	F	2	UNK	UNK	T	2C	8/16/2013	No change to listed status

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Chub, spotfin ( <i>Erimonax monachus</i> )	4	10/11/1977	11/21/1983	F	16	UNK	UNK	T	11	N/A	*
Chub, Virgin River ( <i>Gila seminuda (=robusta)</i> )	6	8/24/1989	4/19/1995	RF(2)	39	UNK	20	E	2C	5/1/2008	No change to listed status*
Chub, Yaqui ( <i>Gila purpurea</i> )	2	8/31/1984	3/29/1995	F	25	UNK	UNK	E	5	N/A	*
Cui-ui ( <i>Chasmistes cujus</i> )	8	3/11/1967	5/15/1992	RF(2)	27	13,959,000	25	E	14	N/A	*
Dace, Ash Meadows speckled ( <i>Rhinichthys osculus nevadensis</i> )	8	5/10/1982	9/28/1990	F	8	7,345,000**	15	E	9	N/A	*
Dace, blackside ( <i>Phoxinus cumberlandensis</i> )	4	6/12/1987	8/17/1988	F	8	UNK	UNK	T	11	N/A	*
Dace, Clover Valley speckled ( <i>Rhinichthys osculus oligoporus</i> )	8	10/10/1989	5/12/1998	F	8	758,000**	7	E	9C	6/7/2012	No change to listed status
Dace, desert ( <i>Eremichthys acros</i> )	8	3/11/1967	5/27/1997	F	4	497,000	4	T	7C	3/30/2012	No change to listed status
Dace, Foscett speckled ( <i>Rhinichthys osculus ssp.</i> )	1	3/28/1985	4/27/1998	F	12	UNK	UNK	T	15	3/25/2009	No change to listed status*
Dace, Independence Valley speckled ( <i>Rhinichthys osculus lethoporus</i> )	8	10/10/1989	5/12/1998	F	9	758,000**	7	E	9C	7/19/2013	No change to listed status
Dace, Kendall Warm Springs ( <i>Rhinichthys osculus thermalis</i> )	6	10/13/1970	12/5/2012	RD(1)	16	1,896,050	5	E	12C	10/10/2007	No change to listed status
dace, Laurel ( <i>Chrosomus saylori</i> )	4	9/8/2011	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Dace, Moapa ( <i>Moapa coriacea</i> )	8	3/11/1967	5/16/1996	RF(1)	5	UNK	13	E	1	N/A	*
Darter, amber ( <i>Percina antesella</i> )	4	8/5/1985	6/20/1986	F	10	UNK	UNK	E	5	N/A	*
Darter, bayou ( <i>Etheostoma rubrum</i> )	4	10/28/1975	7/10/1990	RF(1)	18	226,420	20	T	8C	5/9/2012	No change to listed status
Darter, bluemask (=jewel) ( <i>Etheostoma sp.</i> )	4	12/27/1993	7/25/1997	F	9	UNK	UNK	E	5	12/27/2013	No change to listed status
Darter, boulder ( <i>Etheostoma wapiti</i> )	4	9/1/1988	7/27/1989	F	8	UNK	UNK	E	5	9/18/2009	No change to listed status
Darter, Cherokee ( <i>Etheostoma scotti</i> )	4	12/20/1994	11/17/2000	F	28	2,565,000**	10	T	2C	N/A	*
Darter, Cumberland ( <i>Etheostoma susanae</i> )	4	9/8/2011	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Darter, diamond ( <i>Crystallaria cincotta</i> )	5	8/26/2013	N/A	N/A	N/A	N/A	N/A	E	UNK	N/A	Species listed < 5 years
Darter, duskytail ( <i>Etheostoma percunrum</i> )	4	4/27/1993	3/30/1994	F	11	710,000	11	E	2	7/27/2012	Revision of listed entity
Darter, Etowah ( <i>Etheostoma etowahae</i> )	4	12/20/1994	11/17/2000	F	28	2,565,000**	10	E	2	N/A	*

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Darter, fountain ( <i>Etheostoma fonticola</i> )	2	10/13/1970	2/14/1996	RF(1)	26	UNK	UNK	E	2C	N/A	*
Darter, goldline ( <i>Percina aurolineata</i> )	4	4/22/1992	11/17/2000	F	27	2,565,000**	10	T	8	N/A	*
Darter, leopard ( <i>Percina pantherina</i> )	2	2/27/1978	5/3/1993	RD(1)	23	1,284,000	10	T	2C	8/31/2012	No change to listed status
Darter, Maryland ( <i>Etheostoma sellare</i> )	5	3/11/1967	10/17/1985	RF(1)	17	UNK	UNK	E	5	10/5/2007	No change to listed status*
Darter, Niangua ( <i>Etheostoma nianguae</i> )	3	6/12/1985	7/17/1989	F	9	562,000	UNK	T	8	N/A	*
Darter, Okaloosa ( <i>Etheostoma okaloosae</i> )	4	6/4/1973	10/26/1998	RF(1)	22	UNK	UNK	T	8	7/2/2007	Reclassify to T
Darter, relict ( <i>Etheostoma chienense</i> )	4	12/27/1993	7/31/1994	D	4	UNK	UNK	E	5	8/9/2013	No change to listed status
Darter, rush ( <i>Etheostoma phytophilum</i> )	4	9/8/2011	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Darter, slackwater ( <i>Etheostoma boschungii</i> )	4	10/11/1977	3/8/1984	F	11	UNK	UNK	T	8	6/24/2008	No change to listed status
Darter, snail ( <i>Percina tanasi</i> )	4	11/10/1975	5/5/1983	F	14	UNK	UNK	T	11	3/18/2013	No change to listed status
Darter, vermilion ( <i>Etheostoma chermocki</i> )	4	11/28/2001	6/20/2007	F	5	1,806,000	10	E	2	8/30/2011	No change to listed status
Darter, watercress ( <i>Etheostoma nuchale</i> )	4	10/13/1970	3/29/1993	RF(2)	12	UNK	UNK	E	2	8/28/2009	No change to listed status
Darter, yellowcheek ( <i>Etheostoma moorei</i> )	4	9/8/2011	N/A	N/A	N/A	N/A	N/A	E	2C	N/A	Species listed < 5 years
Gambusia, Big Bend ( <i>Gambusia gaigei</i> )	2	3/11/1967	9/19/1984	F	9	UNK	UNK	E	5	2/9/2012	No change to listed status
Gambusia, Clear Creek ( <i>Gambusia heterochir</i> )	2	3/11/1967	1/14/1982	F	3	UNK	UNK	E	2	5/7/2010	No change to listed status
Gambusia, Pecos ( <i>Gambusia nobilis</i> )	2	10/13/1970	5/9/1983	F	2	UNK	UNK	E	2	N/A	*
Gambusia, San Marcos ( <i>Gambusia georgei</i> )	2	7/14/1980	2/14/1996	RF(1)	27	UNK	UNK	E	5C	N/A	*
Goby, tidewater ( <i>Eucyclogobius newberryi</i> )	8	2/4/1994	12/7/2005	F	15	UNK	UNK	E	7C	9/28/2007	Reclassify to T*
Logperch, Conasauga ( <i>Percina jenkinsi</i> )	4	8/5/1985	6/20/1986	F	9	UNK	UNK	E	5	12/16/2011	No change to listed status
Logperch, Roanoke ( <i>Percina rex</i> )	5	8/18/1989	3/20/1992	F	13	UNK	UNK	E	8	9/19/2007	No change to listed status*
Madtom, chucky ( <i>Noturus crypticus</i> )	4	9/8/2011	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Madtom, Neosho ( <i>Noturus placidus</i> )	6	5/22/1990	9/30/1991	F	16	412,000	5	T	8C	3/25/2013	No change to listed status

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Madtom, pygmy ( <i>Noturus stanauli</i> )	4	4/27/1993	9/27/1994	F	6	UNK	UNK	E	5	10/5/2009	No change to listed status
Madtom, Scioto ( <i>Noturus trautmani</i> )	3	10/28/1975	Exempt	Exempt	Exempt	Exempt	Exempt	E	5	12/23/2009	Delist due to extinction
Madtom, smoky ( <i>Noturus baileyi</i> )	4	10/26/1984	8/9/1985	F	9	UNK	UNK	E	8	1/27/2012	No change to listed status
Madtom, yellowfin ( <i>Noturus flavipinnis</i> )	4	10/11/1977	6/23/1983	F	16	UNK	UNK	T	8	2/28/2012	No change to listed status
Minnnow, Devils River ( <i>Dionda diaboli</i> )	2	10/20/1999	8/22/2005	F	9	2,920,000	9	T	2	9/11/2008	No change to listed status
Minnnow, loach ( <i>Tiaroga cobitis</i> )	2	10/28/1986	9/30/1991	F	27	UNK	UNK	E	4C	8/31/2012	No change to listed status
Minnnow, Rio Grande silvery ( <i>Hybognathus amarus</i> )	2	7/20/1994	1/15/2010	RF(1)	43	167,500,000	30	E	2C	N/A	*
Pikeminnow (=squawfish), Colorado ( <i>Ptychocheilus lucius</i> )	6	3/11/1967	8/1/2002	RF(2)	30	UNK	12	E	8C	8/29/2011	No change to listed status
Poolfish, Pahrump ( <i>Empetrichthys latos</i> )	8	3/11/1967	3/17/1980	F	32	UNK	UNK	E	11	N/A	*
Pupfish, Ash Meadows Amargosa ( <i>Cyprinodon nevadensis mionectes</i> )	8	5/10/1982	9/28/1990	F	8	7,345,000**	15	E	15	3/17/2010	No change to listed status
Pupfish, Comanche Springs ( <i>Cyprinodon elegans</i> )	2	3/11/1967	9/2/1981	F	12	UNK	UNK	E	11	8/23/2013	No change to listed status
Pupfish, desert ( <i>Cyprinodon macularius</i> )	2	3/31/1986	12/8/1993	F	11	UNK	UNK	E	2C	9/30/2010	No change to listed status
Pupfish, Devils Hole ( <i>Cyprinodon diabolis</i> )	8	3/11/1967	9/28/1990	F	13	7,345,000**	15	E	5	N/A	*
Pupfish, Leon Springs ( <i>Cyprinodon bovinus</i> )	2	8/15/1980	8/14/1985	F	7	UNK	UNK	E	5	8/28/2013	No change to listed status
Pupfish, Owens ( <i>Cyprinodon radiosus</i> )	8	3/11/1967	9/30/1998	F	20	UNK	17	E	5	2/4/2009	No change to listed status*
Pupfish, Warm Springs ( <i>Cyprinodon nevadensis pectoralis</i> )	8	10/13/1970	9/28/1990	F	8	7,345,000**	15	E	9	N/A	*
Salmon, Atlantic (Gulf of Maine DPS) ( <i>Salmo salar</i> )	5	6/19/2009	12/2/2005	F	49	UNK	UNK	E	6	N/A	Not yet initiated
Sculpin, Grotto ( <i>Cottus specus</i> )	3	10/25/2013	N/A	N/A	N/A	N/A	N/A	E	UNK	N/A	Species listed < 5 years
Sculpin, pygmy ( <i>Cottus paulus</i> (=pygmaeus))	4	9/28/1989	8/6/1991	F	6	UNK	UNK	T	8	7/28/2008	No change to listed status
Shiner, Arkansas River (Arkansas R. Basin (AR, KS, NM, OK, TX) ( <i>Notropis girardi</i> )	2	11/23/1998	9/12/2008	D	12	UNK	UNK	T	5C	N/A	*
Shiner, beautiful ( <i>Cyprinella formosa</i> )	2	8/31/1984	3/29/1995	F	25	UNK	UNK	T	2	N/A	*
Shiner, blue ( <i>Cyprinella caerulea</i> )	4	4/22/1992	8/30/1995	F	10	UNK	UNK	T	8	N/A	*

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\*5-Year Review in progress as of September 30, 2014

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GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Active Plan Date	Plan Status <sup>1</sup>	Number of Recovery Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	Five-Year Review Status Recommendation
Shiner, Cahaba ( <i>Notropis cahabae</i> )	4	10/25/1990	4/23/1992	F	4	UNK	UNK	E	2	N/A	*
Shiner, Cape Fear ( <i>Notropis mekistocholas</i> )	4	9/25/1987	10/7/1988	F	10	UNK	UNK	E	5	N/A	*
Shiner, palezone ( <i>Notropis albizonatus</i> )	4	4/27/1993	7/7/1997	F	4	UNK	UNK	E	5	5/30/2014	No change to listed status
Shiner, Pecos bluntnose ( <i>Notropis simus pecosensis</i> )	2	2/20/1987	9/30/1992	F	15	UNK	UNK	T	3	5/25/2010	No change to listed status
Shiner, sharpnose ( <i>Notropis oxyrhynchus</i> )	2	8/4/2014	N/A	N/A	N/A	N/A	N/A	E	UNK	N/A	Species listed < 5 years
Shiner, smalleye ( <i>Notropis buccula</i> )	2	8/4/2014	N/A	N/A	N/A	N/A	N/A	E	UNK	N/A	Species listed < 5 years
Shiner, Topeka ( <i>Notropis topeka (=tristis)</i> )	6	12/15/1998	N/A	N/A	N/A	N/A	N/A	E	8C	1/22/2010	Reclassify to T
Silverside, Waccamaw ( <i>Menidia extensa</i> )	4	4/8/1987	8/11/1993	F	11	UNK	UNK	T	8	2/8/2011	No change to listed status
Smelt, delta ( <i>Hypomesus transpacificus</i> )	8	3/5/1993	11/26/1996	F	23	1,258,000	3	T	2C	9/13/2010	Reclassify to E
Spikedace ( <i>Meda fulgida</i> )	2	7/1/1986	9/30/1991	F	30	UNK	UNK	E	4C	8/31/2012	No change to listed status
Spinedace, Big Spring ( <i>Lepidomeda mollispinis pratensis</i> )	8	3/28/1985	1/20/1994	F	6	196,000	13	T	3	N/A	*
Spinedace, Little Colorado ( <i>Lepidomeda vittata</i> )	2	3/11/1967	1/9/1998	F	31	2,405,000	10	T	5C	10/6/2008	Reclassify to E*
Spinedace, White River ( <i>Lepidomeda albivallis</i> )	8	9/12/1985	3/28/1994	F	14	145,000	13	E	2C	1/29/2010	No change to listed status
Springfish, Hiko White River ( <i>Crenichthys baileyi grandis</i> )	8	9/27/1985	5/26/1998	F	2	892,000**	17	E	3C	12/18/2012	No change to listed status
Springfish, Railroad Valley ( <i>Crenichthys nevadae</i> )	8	3/31/1986	3/15/1997	F	8	570,000	7	T	2C	8/21/2009	No change to listed status*
Springfish, White River ( <i>Crenichthys baileyi baileyi</i> )	8	9/27/1985	5/26/1998	F	2	892,000**	17	E	3C	12/18/2012	No change to listed status
Stickleback, unarmored threespine ( <i>Gasterosteus aculeatus williamsoni</i> )	8	10/13/1970	12/26/1985	RF(1)	11	UNK	UNK	E	6C	6/15/2009	No change to listed status*
Sturgeon (Gulf subspecies), Atlantic ( <i>Acipenser oxyrinchus (=oxyrhynchus) desotoi</i> )	4	9/30/1991	9/22/1995	F	37	8,413,000	28	T	12	9/30/2009	No change to listed status
Sturgeon, Alabama ( <i>Scaphirhynchus suttkusi</i> )	4	5/5/2000	7/8/2013	F	N/A	UNK	UNK	E	5C	11/9/2010	No change to listed status
Sturgeon, pallid ( <i>Scaphirhynchus albus</i> )	6	9/6/1990	1/24/2014	RF(1)	56	239,170,000	33	E	2C	6/13/2007	No change to listed status*
Sturgeon, white (U.S.A. (ID, MT), Canada (B.C.), Kootenai River system)( <i>Acipenser transmontanus</i> )	1	9/6/1994	9/30/1999	F	51	UNK	25	E	3C	8/9/2011	No change to listed status
Sucker, June ( <i>Chasmistes liorus</i> )	6	3/31/1986	6/25/1999	F	50	50,000,000	40	E	5C	N/A	*

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Recovery Data as of September 30, 2014

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Sucker, Lost River ( <i>Deltistes luxatus</i> )	8	7/18/1988	1/2/2013	RF(1)	8	135,000,000**	50	E	4C	8/22/2013	No change to listed status
Sucker, Modoc ( <i>Catostomus microps</i> )	8	6/11/1985	5/8/1984	F	16	UNK	UNK	E	14	2/13/2014	Delist due to recovery
Sucker, razorback ( <i>Xyrauchen texanus</i> )	6	10/23/1991	8/1/2002	RF(1)	48	UNK	22	E	1C	8/30/2012	No change to listed status
Sucker, Santa Ana (3 CA river basins) ( <i>Catostomus santaanae</i> )	8	4/12/2000	N/A	N/A	N/A	N/A	N/A	T	5C	3/10/2011	No change to listed status
Sucker, shortnose ( <i>Chasmistes brevirostris</i> )	8	7/18/1988	1/2/2013	RF(1)	6	135,000,000**	50	E	5C	8/22/2013	No change to listed status
Sucker, Warner ( <i>Catostomus warnerensis</i> )	1	9/27/1985	4/27/1998	F	14	4,200,000**	17	T	2C	9/30/2010	No change to listed status
Sucker, Zuni bluehead ( <i>Catostomus discobolus yarrowi</i> )	2	8/25/2014	N/A	N/A	N/A	N/A	N/A	E	UNK	N/A	Species listed < 5 years
Sunfish, spring pygmy ( <i>Elassoma alabamae</i> )	4	12/2/2013	N/A	N/A	N/A	N/A	N/A	T	8	N/A	Species listed < 5 years
Topminnow, Gila (incl. Yaqui) ( <i>Poeciliopsis occidentalis</i> )	2	3/11/1967	3/5/1999	RD(1)	19	UNK	UNK	E	3C	N/A	*
Trout, Apache ( <i>Oncorhynchus apache</i> )	2	3/11/1967	6/30/2009	RF(2)	10	2,150,000	3	T	14C	4/28/2010	No change to listed status
Trout, bull (lower 48 states) ( <i>Salvelinus confluentus</i> )	1	6/10/1998	9/4/2014	RD(1)	18	UNK	UNK	T	9C	4/25/2008	No change to listed status*
Trout, Gila ( <i>Oncorhynchus gilae</i> )	2	3/11/1967	9/10/2003	RF(3)	14	2,839,000	13	T	8	N/A	*
trout, Greenback Cutthroat ( <i>Oncorhynchus clarki stomias</i> )	6	3/11/1967	3/1/1998	RF(2)	35	634,000	5	T	15	5/27/2009	No change to listed status
Trout, Lahontan cutthroat ( <i>Oncorhynchus clarkii henshawi</i> )	8	10/13/1970	1/30/1995	F	92	16,262,000	23	T	9	3/30/2009	No change to listed status*
Trout, Little Kern golden ( <i>Oncorhynchus aguabonita whitei</i> )	8	5/15/1978	Exempt	Exempt	Exempt	Exempt	Exempt	T	9	9/8/2011	No change to listed status
Trout, Paiute cutthroat ( <i>Oncorhynchus clarkii seleniris</i> )	8	3/11/1967	9/10/2004	RF(1)	27	588,450	9	T	9	6/6/2013	No change to listed status
tui chub, Owens ( <i>Gila bicolor ssp. snyderi</i> )	8	8/5/1985	9/30/1998	F	25	UNK	17	E	6	5/28/2009	No change to listed status*
Woundfin ( <i>Plagopterus argentissimus</i> )	6	10/13/1970	4/19/1995	RF(2)	39	UNK	20	E	1C	5/1/2008	No change to listed status*
<b>Flowering Plants</b>											
ʻAhinahina ( <i>Argyroxiphium sandwicense ssp. macrocephalum</i> )	1	5/15/1992	7/29/1997	F	23	UNK	UNK	T	9	8/2/2011	No change to listed status
ʻAhinahina ( <i>Argyroxiphium sandwicense ssp. sandwicense</i> )	1	3/21/1986	9/30/1993	F	23	UNK	UNK	E	6	8/28/2012	No change to listed status
ʻAiakeakua, popolo ( <i>Solanum sandwicense</i> )	1	2/25/1994	9/20/1995	F	37	UNK	UNK	E	2	7/21/2009	No change to listed status

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<i>Aiea (Nothocestrum breviflorum)</i>	1	3/4/1994	9/26/1996	F	32	9,395,000**	20	E	5	8/28/2012	No change to listed status
<i>Aiea (Nothocestrum peltatum)</i>	1	2/25/1994	9/20/1995	F	32	UNK	UNK	E	5	7/21/2009	No change to listed status
<i>Akoko (Euphorbia celastroides var. kaenana)</i>	1	10/29/1991	8/10/1998	F	20	UNK	UNK	E	9	8/28/2012	No change to listed status
<i>Akoko (Euphorbia deppeana)</i>	1	3/28/1994	8/10/1998	F	20	UNK	UNK	E	5	8/28/2012	No change to listed status
<i>Akoko (Euphorbia eleanoriae)</i>	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
<i>Akoko (Euphorbia herbstii)</i>	1	10/10/1996	8/10/1998	F	20	UNK	UNK	E	8	8/28/2012	No change to listed status
<i>Akoko (Euphorbia kuwaleana)</i>	1	10/29/1991	8/10/1998	F	19	UNK	UNK	E	8	8/2/2011	No change to listed status
<i>Akoko (Euphorbia remyi var. kauaiensis)</i>	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	3	N/A	Species listed < 5 years
<i>Akoko (Euphorbia remyi var. remyi)</i>	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	6	N/A	Species listed < 5 years
<i>Akoko (Euphorbia rockii)</i>	1	10/10/1996	8/10/1998	F	20	UNK	UNK	E	8	8/2/2011	No change to listed status
<i>Akoko (Euphorbia haeleleana)</i>	1	10/10/1996	7/10/1999	F	21	33,900,000**	11	E	5	8/27/2010	No change to listed status
<i>Akoko, Ewa Plains (Euphorbia skottsbergii var. skottsbergii)</i>	1	8/24/1982	10/5/1993	D	6	UNK	UNK	E	6	8/28/2012	No change to listed status
<i>aku (Cyanea tritomantha)</i>	1	11/29/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
<i>Ala`ala wai nui (Peperomia subpetiolata)</i>	1	6/27/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
<i>Anaunau (Lepidium arbuscula)</i>	1	10/10/1996	8/10/1998	F	21	UNK	UNK	E	8	8/19/2013	No change to listed status
<i>Anunu (Sicyos albus)</i>	1	10/10/1996	5/11/1998	F	27	14,181,000**	UNK	E	2	8/28/2012	No change to listed status
<i>Awikiwiki (Canavalia molokaiensis)</i>	1	10/8/1992	9/26/1996	F	16	24,784,000**	UNK	E	2	8/2/2011	No change to listed status
<i>Awikiwiki (Canavalia napaliensis)</i>	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	2	N/A	Species listed < 5 years
<i>Awikiwiki (Canavalia pubescens)</i>	1	6/27/2013	N/A	N/A	N/A	N/A	N/A	E	2	N/A	Species listed < 5 years
<i>Oha wai (Clermontia drepanomorpha)</i>	1	10/10/1996	5/11/1998	F	29	14,181,000**	UNK	E	2	8/28/2012	No change to listed status
<i>Oha wai (Clermontia lindseyana)</i>	1	3/4/1994	9/26/1996	F	34	9,395,000**	20	E	2	8/27/2010	No change to listed status*
<i>Oha wai (Clermontia oblongifolia ssp. brevipes)</i>	1	10/8/1992	9/26/1996	F	20	24,784,000**	UNK	E	6	8/29/2011	No change to listed status

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ʻOha wai ( <i>Clermontia oblongifolia</i> ssp. <i>mauiensis</i> )	1	5/15/1992	7/29/1997	F	29	UNK	UNK	E	6	8/2/2011	No change to listed status
ʻOha wai ( <i>Clermontia peleana</i> )	1	3/4/1994	9/26/1996	F	30	9,395,000**	20	E	5	1/18/2008	No change to listed status*
ʻOha wai ( <i>Clermontia pyralaria</i> )	1	3/4/1994	9/26/1996	F	32	9,395,000**	20	E	2	8/28/2012	No change to listed status
ʻOha wai ( <i>Clermontia samuelii</i> )	1	9/3/1999	7/10/1999	F	22	33,900,000**	11	E	5	8/2/2011	No change to listed status
ʻOheʻohe ( <i>Polyscias gymnocarpa</i> )	1	3/28/1994	8/10/1998	F	19	UNK	UNK	E	5	9/20/2011	No change to listed status
Aʻe ( <i>Zanthoxylum dipetalum</i> var. <i>tomentosum</i> )	1	10/10/1996	5/11/1998	F	28	14,181,000**	UNK	E	6	6/2/2009	No change to listed status*
Aʻe ( <i>Zanthoxylum hawaiiense</i> )	1	3/4/1994	9/26/1996	F	34	9,395,000**	20	E	2	8/27/2010	No change to listed status*
Aʻe ( <i>Zanthoxylum oahuense</i> )	1	10/18/2012	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Alani ( <i>Melicope adscendens</i> )	1	12/5/1994	7/29/1997	F	31	UNK	UNK	E	5	6/5/2014	No change to listed status
Alani ( <i>Melicope balloui</i> )	1	12/5/1994	7/29/1997	F	24	UNK	UNK	E	5	8/2/2011	No change to listed status
Alani ( <i>Melicope christophersenii</i> )	1	10/18/2012	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Alani ( <i>Melicope degeneri</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Alani ( <i>Melicope haupuensis</i> )	1	2/25/1994	9/20/1995	F	37	UNK	UNK	E	5	7/21/2009	No change to listed status
Alani ( <i>Melicope hiiaekae</i> )	1	10/18/2012	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Alani ( <i>Melicope knudsenii</i> )	1	2/25/1994	9/20/1995	F	31	UNK	UNK	E	5	3/31/2014	No change to listed status
Alani ( <i>Melicope lydgatei</i> )	1	3/28/1994	8/10/1998	F	20	UNK	UNK	E	5	8/19/2013	No change to listed status
Alani ( <i>Melicope makahae</i> )	1	10/18/2012	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Alani ( <i>Melicope mucronulata</i> )	1	5/15/1992	7/29/1997	F	31	UNK	UNK	E	5	3/31/2014	No change to listed status
Alani ( <i>Melicope munroi</i> )	1	9/3/1999	7/10/1999	F	20	33,900,000**	11	E	5	8/28/2012	No change to listed status
Alani ( <i>Melicope ovalis</i> )	1	12/5/1994	7/29/1997	F	25	UNK	UNK	E	5	8/29/2011	No change to listed status
Alani ( <i>Melicope pallida</i> )	1	2/25/1994	9/20/1995	F	27	UNK	UNK	E	5	8/27/2010	No change to listed status
Alani ( <i>Melicope paniculata</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years

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Alani ( <i>Melicope puberula</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Alani ( <i>Melicope quadrangularis</i> )	1	2/25/1994	9/20/1995	F	37	UNK	UNK	E	5	8/27/2010	No change to listed status
Alani ( <i>Melicope reflexa</i> )	1	10/8/1992	9/26/1996	F	18	24,784,000**	UNK	E	8	8/2/2011	No change to listed status
Alani ( <i>Melicope saint-johnii</i> )	1	10/10/1996	8/10/1998	F	21	UNK	UNK	E	8	8/29/2011	No change to listed status
Alani ( <i>Melicope zahlbruckneri</i> )	1	10/10/1996	5/11/1998	F	27	14,181,000**	UNK	E	2	1/18/2008	No change to listed status*
Allocarya, Calistoga ( <i>Plagiobothrys strictus</i> )	8	10/22/1997	N/A	N/A	N/A	N/A	N/A	E	5C	2/16/2010	No change to listed status
Alopecurus, Sonoma ( <i>Alopecurus aequalis</i> var. <i>sonomensis</i> )	8	10/22/1997	N/A	N/A	N/A	N/A	N/A	E	9	9/8/2011	No change to listed status
Amaranth, seabeach ( <i>Amaranthus pumilus</i> )	4	4/7/1993	11/12/1996	F	11	UNK	UNK	T	8C	6/4/2007	No change to listed status
Ambrosia, San Diego ( <i>Ambrosia pumila</i> )	8	7/2/2002	N/A	N/A	N/A	N/A	N/A	E	11C	7/15/2010	No change to listed status
Ambrosia, south Texas ( <i>Ambrosia cheiranthifolia</i> )	2	8/24/1994	N/A	N/A	N/A	N/A	N/A	E	8	12/30/2010	No change to listed status
Amole, purple ( <i>Chlorogalum purpureum</i> )	8	3/20/2000	N/A	N/A	N/A	N/A	N/A	T	8	9/29/2008	No change to listed status
Amphianthus, little ( <i>Amphianthus pusillus</i> )	4	2/5/1988	7/7/1993	F	9	UNK	UNK	T	13	9/30/2008	No change to listed status
Arrowhead, bunched ( <i>Sagittaria fasciculata</i> )	4	8/31/1979	9/8/1983	F	12	UNK	UNK	E	5C	3/24/2014	No change to listed status
Aster, decurrent false ( <i>Boltonia decurrens</i> )	3	11/14/1988	9/28/1990	F	26	58,100	7	T	8	7/30/2012	No change to listed status
Aster, Florida golden ( <i>Chrysopsis floridana</i> )	4	5/16/1986	8/29/1988	F	13	UNK	UNK	E	8	5/14/2009	Reclassify to T
Aster, Ruth's golden ( <i>Pityopsis ruthii</i> )	4	7/18/1985	6/11/1992	F	14	162,500	6	E	5C	4/23/2012	No change to listed status
Aupaka ( <i>Isodendrion hosakae</i> )	1	1/14/1991	5/23/1994	F	7	UNK	UNK	E	5	8/28/2012	No change to listed status
Aupaka ( <i>Isodendrion laurifolium</i> )	1	10/10/1996	7/10/1999	F	18	33,900,000**	11	E	5	8/19/2013	No change to listed status
Aupaka ( <i>Isodendrion longifolium</i> )	1	10/10/1996	7/10/1999	F	19	33,900,000**	11	T	5	8/2/2011	No change to listed status
Avens, spreading ( <i>Geum radiatum</i> )	4	4/5/1990	4/28/1993	F	15	UNK	UNK	E	2	3/8/2013	No change to listed status
Awiwi ( <i>Centaurium sebaeoides</i> )	1	10/29/1991	7/10/1999	F	19	33,900,000**	11	E	2	8/19/2013	No change to listed status
Awiwi ( <i>Kadua cookiana</i> )	1	2/25/1994	9/20/1995	F	36	UNK	UNK	E	5	8/27/2010	No change to listed status

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GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Active Plan Date	Plan Status <sup>1</sup>	Number of Recovery Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	Five-Year Review Status Recommendation
Ayenia, Texas ( <i>Ayenia limitaris</i> )	2	8/24/1994	6/3/2014	D	N/A	8,996,800	20	E	8C	6/2/2010	No change to listed status
Baccharis, Encinitas ( <i>Baccharis vanessae</i> )	8	10/7/1996	N/A	N/A	N/A	N/A	N/A	T	5C	12/22/2011	No change to listed status
Barberry, island ( <i>Berberis pinnata ssp. insularis</i> )	8	7/31/1997	9/26/2000	F	3	51,920,000**	40	E	6	5/9/2013	No change to listed status
Barberry, Nevin's ( <i>Berberis nevinii</i> )	8	10/13/1998	N/A	N/A	N/A	N/A	N/A	E	8	8/14/2009	No change to listed status
Bariaco ( <i>Trichilia triacantha</i> )	4	2/5/1988	8/20/1991	F	11	UNK	UNK	E	11	8/21/2012	No change to listed status
Beaked-rush, Knieskern's ( <i>Rhynchospora knieskernii</i> )	5	7/18/1991	9/29/1993	F	15	78,000	4	T	14	8/19/2008	No change to listed status
bean, sea ( <i>Mucuna sloanei persericea</i> )	1	6/27/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
beardtongue, Parachute ( <i>Penstemon debilis</i> )	6	8/26/2011	N/A	N/A	N/A	N/A	N/A	T	8C	N/A	Species listed < 5 years
Beardtongue, Penland ( <i>Penstemon penlandii</i> )	6	7/13/1989	9/30/1992	F	10	UNK	UNK	E	14	N/A	*
Beargrass, Britton's ( <i>Nolina brittoniana</i> )	4	4/27/1993	6/20/1996	RF(1)	23	UNK	UNK	E	8	5/10/2010	No change to listed status
Bear-poppy, Dwarf ( <i>Arctomecon humilis</i> )	6	12/6/1979	12/31/1985	F	17	UNK	UNK	E	5C	N/A	*
Beauty, Harper's ( <i>Harperocallis flava</i> )	4	11/1/1979	9/14/1983	F	15	UNK	UNK	E	7C	9/11/2009	No change to listed status
Bedstraw, El Dorado ( <i>Galium californicum ssp. sierrae</i> )	8	10/18/1996	8/30/2002	F	18	UNK	UNK	E	6C	N/A	*
Bedstraw, island ( <i>Galium buxifolium</i> )	8	7/31/1997	9/26/2000	F	3	51,920,000**	40	E	5	10/20/2009	No change to listed status
Bellflower, Brooksville ( <i>Campanula robinsiae</i> )	4	7/27/1989	6/20/1994	F	10	217,000	16	E	8	5/10/2010	No change to listed status
Birch, Virginia round-leaf ( <i>Betula uber</i> )	5	5/27/1978	9/24/1990	RF(2)	8	321,500	10	T	14	10/4/2006	No change to listed status*
Bird's beak, palmate-bracted ( <i>Cordylanthus palmatus</i> )	8	7/1/1986	9/30/1998	F	18	40,104,000**	20	E	2C	6/15/2009	No change to listed status*
Bird's-beak, Pennell's ( <i>Cordylanthus tenuis ssp. capillaris</i> )	8	2/3/1995	9/30/1998	F	10	172,940,000**	30	E	6	9/8/2011	No change to listed status
Bird's-beak, salt marsh ( <i>Cordylanthus maritimus ssp. maritimus</i> )	8	10/29/1978	12/06/1985, 08/27/2013	F	39	242,501,640**, UN	50, UNK	E	9	8/13/2009	No change to listed status*
Bird's-beak, soft ( <i>Cordylanthus mollis ssp. mollis</i> )	8	11/20/1997	8/27/2013	F	1	1,242,501,640**	50	E	9C	2/11/2009	No change to listed status*
Birds-in-a-nest, white ( <i>Macbridea alba</i> )	4	5/8/1992	6/22/1994	F	8	UNK	UNK	T	8C	3/10/2009	No change to listed status
Bittercress, small-anthered ( <i>Cardamine micranthera</i> )	4	9/21/1989	7/10/1991	F	8	UNK	UNK	E	5	N/A	*

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## Recovery Data as of September 30, 2014

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Active Plan Date	Plan Status <sup>1</sup>	Number of Recovery Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	Five-Year Review Status Recommendation
Bladderpod, Dudley Bluffs ( <i>Lesquerella congesta</i> )	6	2/6/1990	8/13/1993	F	15	UNK	UNK	T	8C	6/20/2008	No change to listed status
Bladderpod, kodachrome ( <i>Lesquerella tumulosa</i> )	6	10/6/1993	N/A	N/A	N/A	N/A	N/A	E	8	N/A	*
Bladderpod, lyrate ( <i>Lesquerella lyrata</i> )	4	9/28/1990	10/17/1996	F	5	UNK	UNK	T	8	4/8/2009	No change to listed status
Bladderpod, Missouri ( <i>Physaria filiformis</i> )	3	1/8/1987	4/7/1988	F	7	74,970	7	T	8	1/14/2008	No change to listed status*
Bladderpod, San Bernardino Mountains ( <i>Lesquerella kingii</i> ssp. <i>bernardina</i> )	8	8/24/1994	9/30/1997	D	7	780,000**	15	E	9C	8/13/2009	No change to listed status*
Bladderpod, Short's ( <i>Physaria globosa</i> )	4	8/1/2014	N/A	N/A	N/A	N/A	N/A	E	8	N/A	Species listed < 5 years
Bladderpod, Spring Creek ( <i>Lesquerella perforata</i> )	4	12/23/1996	9/8/2006	F	12	6,407,500	20	E	5	10/19/2011	No change to listed status
Bladderpod, white ( <i>Lesquerella pallida</i> )	2	3/11/1987	4/13/1990	F	17	UNK	UNK	E	2	8/26/2014	No change to listed status
Bladderpod, White Bluffs ( <i>Physaria douglasii</i> ssp. <i>tuplashensis</i> )	1	5/23/2013	N/A	N/A	N/A	N/A	N/A	T	9	N/A	Species listed < 5 years
Bladderpod, Zapata ( <i>Lesquerella thamnophila</i> )	2	11/22/1999	7/14/2004	F	6	UNK	UNK	E	5C	N/A	*
Blazingstar, Ash Meadows ( <i>Mentzelia leucophylla</i> )	8	5/20/1985	9/28/1990	F	4	7,345,000**	15	T	8	N/A	*
Blazingstar, Heller's ( <i>Liatris helleri</i> )	4	11/19/1987	1/28/2000	RF(1)	12	UNK	UNK	T	8	8/3/2013	No change to listed status
Blazingstar, scrub ( <i>Liatris ohlingerae</i> )	4	7/27/1989	5/18/1999	F	21	UNK	UNK	E	2	8/16/2010	No change to listed status
Bluecurls, Hidden Lake ( <i>Trichostema austromontanum</i> ssp. <i>compactum</i> )	8	9/14/1998	N/A	N/A	N/A	N/A	N/A	T	15	5/31/2013	Delist due to recovery
Bluegrass, Hawaiian ( <i>Poa sandvicensis</i> )	1	5/13/1992	9/20/1995	F	34	UNK	UNK	E	5	8/27/2010	No change to listed status
Bluegrass, Mann's ( <i>Poa mannii</i> )	1	11/10/1994	9/20/1995	F	32	UNK	UNK	E	5	8/27/2010	No change to listed status
Bluegrass, Napa ( <i>Poa napensis</i> )	8	10/22/1997	N/A	N/A	N/A	N/A	N/A	E	5C	2/16/2010	No change to listed status
Bluegrass, San Bernardino ( <i>Poa atropurpurea</i> )	8	9/14/1998	N/A	N/A	N/A	N/A	N/A	E	2	9/30/2008	No change to listed status*
Blue-star, Kearney's ( <i>Amsonia kearneyana</i> )	2	1/19/1989	5/24/1993	F	6	UNK	UNK	E	2	8/15/2013	No change to listed status
Bluet, Roan Mountain ( <i>Hedyotis purpurea</i> var. <i>montana</i> )	4	4/5/1990	5/13/1996	F	20	UNK	UNK	E	6	N/A	*
Bonamia, Florida ( <i>Bonamia grandiflora</i> )	4	11/2/1987	6/20/1996	RF(1)	23	UNK	UNK	T	8	8/28/2008	No change to listed status
Boxwood, Vahl's ( <i>Buxus vahlia</i> )	4	8/13/1985	4/28/1987	F	12	UNK	UNK	E	11	4/19/2013	No change to listed status

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## Recovery Data as of September 30, 2014

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
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Brodiaea, Chinese Camp ( <i>Brodiaea pallida</i> )	8	9/14/1998	N/A	N/A	N/A	N/A	N/A	T	2C	6/20/2012	No change to listed status
Brodiaea, thread-leaved ( <i>Brodiaea filifolia</i> )	8	10/13/1998	N/A	N/A	N/A	N/A	N/A	T	8C	8/13/2009	No change to listed status
Buckwheat, cushenbury ( <i>Eriogonum ovalifolium</i> var. <i>vineum</i> )	8	8/24/1994	9/30/1997	D	7	780,000**	15	E	9C	8/13/2009	No change to listed status*
Buckwheat, lone (incl. Irish Hill) ( <i>Eriogonum apricum</i> (incl. var. <i>prostratum</i> ))	8	5/26/1999	N/A	N/A	N/A	N/A	N/A	E	2C	8/4/2010	No change to listed status
Buckwheat, scrub ( <i>Eriogonum longifolium</i> var. <i>gnaphalifolium</i> )	4	4/27/1993	6/20/1996	RF(1)	22	UNK	UNK	T	15	7/23/2008	No change to listed status
Buckwheat, steamboat ( <i>Eriogonum ovalifolium</i> var. <i>williamsiae</i> )	8	7/8/1986	9/20/1995	F	9	UNK	UNK	E	3	4/1/2009	No change to listed status*
Buckwheat, Umtanum Desert ( <i>Eriogonum codium</i> )	1	5/23/2013	N/A	N/A	N/A	N/A	N/A	T	2	N/A	Species listed < 5 years
Bulrush, Northeastern ( <i>Scirpus ancistrochaetus</i> )	5	5/7/1991	8/25/1993	F	11	UNK	UNK	E	14	9/24/2009	Reclassify to T*
Bush-clover, prairie ( <i>Lespedeza leptostachya</i> )	3	1/9/1987	10/6/1988	F	10	766,500	5	T	8	N/A	*
Bush-mallow, San Clemente Island ( <i>Malacothamnus clementinus</i> )	8	9/12/1977	1/26/1984	F	29	UNK	UNK	E	8C	7/10/2012	No change to listed status
Bush-mallow, Santa Cruz Island ( <i>Malacothamnus fasciculatus</i> var. <i>nesioticus</i> )	8	7/31/1997	9/26/2000	F	3	51,920,000**	40	E	3	11/20/2012	No change to listed status
Buttercup, autumn ( <i>Ranunculus aestivalis</i> (= <i>acriformis</i> ))	6	7/21/1989	9/16/1991	F	18	400,000	10	E	5	1/24/2013	No change to listed status
Butterfly plant, Colorado ( <i>Gaura neomexicana</i> var. <i>coloradensis</i> )	6	10/18/2000	N/A	N/A	N/A	N/A	N/A	T	15C	12/17/2012	No change to listed status
Butterweed, Layne's ( <i>Senecio layneae</i> )	8	10/18/1996	8/30/2002	F	21	41,514,600**	60	T	5C	N/A	*
Butterwort, Godfrey's ( <i>Pinguicula ionantha</i> )	4	7/12/1993	6/22/1994	F	9	UNK	UNK	T	8C	7/8/2009	No change to listed status
Button, Mohr's Barbara ( <i>Marshallia mohrii</i> )	4	9/7/1988	11/26/1991	F	9	UNK	UNK	T	14	N/A	*
Button-celery, San Diego ( <i>Eryngium aristulatum</i> var. <i>parishii</i> )	8	8/3/1993	9/3/1998	F	11	UNK	UNK	E	9C	9/1/2010	No change to listed status
Cactus, Acuna ( <i>Echinomastus erectocentrus</i> var. <i>acunensis</i> )	2	10/31/2013	N/A	N/A	N/A	N/A	N/A	E	UNK	N/A	Species listed < 5 years
Cactus, Arizona hedgehog ( <i>Echinocereus triglochidiatus</i> var. <i>arizonicus</i> )	2	11/26/1979	9/30/1984	D	N/A	UNK	UNK	E	3	N/A	*
Cactus, Bakersfield ( <i>Opuntia treleasei</i> )	8	7/19/1990	9/30/1998	F	16	40,104,000**	20	E	3C	9/8/2011	No change to listed status
Cactus, black lace ( <i>Echinocereus reichenbachii</i> var. <i>albertii</i> )	2	11/28/1979	3/18/1987	F	14	UNK	UNK	E	3	3/26/2009	No change to listed status
Cactus, Brady pincushion ( <i>Pediocactus bradyi</i> )	2	11/26/1979	3/28/1985	F	14	UNK	UNK	E	2	8/31/2012	No change to listed status

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Recovery Data as of September 30, 2014

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Species Name	Lead Region	Date Listed	Active Plan Date	Plan Status <sup>1</sup>	Number of Recovery Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	Five-Year Review Status Recommendation
Cactus, Chisos Mountain hedgehog ( <i>Echinocereus chisoensis</i> var. <i>chisoensis</i> )	2	9/30/1988	12/8/1993	F	31	791,900	16	T	9	N/A	*
Cactus, Cochise pincushion ( <i>Coryphantha robbinsiorum</i> )	2	1/9/1986	9/27/1993	F	6	276,000	10	T	8	3/20/2007	No change to listed status
Cactus, Colorado hookless ( <i>Sclerocactus glaucus</i> )	6	10/11/1979	N/A	N/A	N/A	N/A	N/A	T	8C	3/28/2008	Revision of listed entity
Cactus, Fickeisen plains ( <i>Pediocactus peeblesianus fickeiseniae</i> )	2	10/31/2013	N/A	N/A	N/A	N/A	N/A	E	UNK	N/A	Species listed < 5 years
Cactus, Florida semaphore ( <i>Consolea corallicola</i> )	4	11/25/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Cactus, Key tree ( <i>Pilosocereus robinii</i> )	4	7/19/1984	5/18/1999	F	35	UNK	UNK	E	5C	8/27/2010	No change to listed status
Cactus, Knowlton's ( <i>Pediocactus knowltonii</i> )	2	11/28/1979	3/29/1985	F	6	UNK	UNK	E	2	2/4/2010	No change to listed status
Cactus, Kuenzler hedgehog ( <i>Echinocereus fendleri</i> var. <i>kuenzleri</i> )	2	11/28/1979	3/28/1985	F	12	UNK	UNK	E	12C	6/7/2005	Reclassify to T
Cactus, Lee pincushion ( <i>Coryphantha sneedii</i> var. <i>leei</i> )	2	11/26/1979	3/21/1986	F	12	UNK	UNK	T	3	N/A	*
Cactus, Lloyd's Mariposa ( <i>Echinomastus mariposensis</i> )	2	12/6/1979	4/13/1990	F	2	UNK	UNK	T	2	N/A	*
Cactus, Mesa Verde ( <i>Sclerocactus mesae-verdae</i> )	2	11/29/1979	3/30/1984	F	9	UNK	UNK	T	11C	11/10/2010	No change to listed status
Cactus, Nellie cory ( <i>Coryphantha minima</i> )	2	12/8/1979	9/20/1984	F	1	UNK	UNK	E	2	2/10/2012	No change to listed status
Cactus, Nichol's Turk's head ( <i>Echinocactus horzonthalonius</i> var. <i>nicholii</i> )	2	11/28/1979	4/14/1986	F	8	UNK	UNK	E	3	7/27/2009	No change to listed status
cactus, Pariette ( <i>Sclerocactus brevispinus</i> )	6	9/15/2009	N/A	N/A	N/A	N/A	N/A	T	5C	3/28/2008	Revision of listed entity
Cactus, Peebles Navajo ( <i>Pediocactus peeblesianus</i> var. <i>peeblesianus</i> )	2	11/28/1979	3/30/1984	F	13	UNK	UNK	E	6	8/28/2008	No change to listed status
Cactus, Pima pineapple ( <i>Coryphantha scheeri</i> var. <i>robustispina</i> )	2	9/23/1993	N/A	N/A	N/A	N/A	N/A	E	3	2/8/2007	No change to listed status
Cactus, San Rafael ( <i>Pediocactus despainii</i> )	6	9/16/1987	10/2/1995	D	11	UNK	15	E	11	N/A	*
Cactus, Siler pincushion ( <i>Pediocactus (=Echinocactus,=Utahia) sileri</i> )	2	11/26/1979	4/14/1986	F	9	UNK	UNK	T	8	11/18/2008	No change to listed status*
Cactus, Sneed pincushion ( <i>Coryphantha sneedii</i> var. <i>sneedii</i> )	2	12/7/1979	3/21/1986	F	12	UNK	UNK	E	9	N/A	*
Cactus, star ( <i>Astrophytum asterias</i> )	2	10/18/1993	9/19/2003	F	19	UNK	UNK	E	2C	4/9/2013	No change to listed status
cactus, Tobusch fishhook ( <i>Sclerocactus breviphamatus</i> ssp. <i>tobuschii</i> )	2	12/8/1979	3/18/1987	F	21	UNK	UNK	E	9C	1/5/2010	Reclassify to T
cactus, Uinta Basin hookless ( <i>Sclerocactus wetlandicus</i> )	6	9/15/2009	N/A	N/A	N/A	N/A	N/A	T	8C	3/28/2008	Revision of listed entity

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## Recovery Data as of September 30, 2014

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Active Plan Date	Plan Status <sup>1</sup>	Number of Recovery Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	Five-Year Review Status Recommendation
Cactus, Winkler ( <i>Pediocactus winkleri</i> )	6	8/20/1998	10/2/1995	D	11	UNK	15	T	11C	N/A	*
Cactus, Wright fishhook ( <i>Sclerocactus wrightiae</i> )	6	10/11/1979	12/24/1985	F	13	UNK	UNK	E	11	8/25/2008	No change to listed status
Campion, fringed ( <i>Silene polypetala</i> )	4	1/18/1991	10/1/1996	D	9	UNK	UNK	E	8	N/A	*
Capa rosa ( <i>Callicarpa ampla</i> )	4	4/22/1992	7/31/1995	F	9	UNK	UNK	E	11	N/A	*
Catchfly, Spalding's ( <i>Silene spaldingii</i> )	1	10/10/2001	10/12/2007	F	55	8,666,000	33	T	8C	1/30/2009	No change to listed status
Cat's-eye, Terlingua Creek ( <i>Cryptantha crassipes</i> )	2	9/30/1991	4/5/1994	F	17	1,161,750	30	E	5C	N/A	*
Ceanothus, coyote ( <i>Ceanothus ferrisiae</i> )	8	2/3/1995	9/30/1998	F	13	172,940,000**	30	E	14	9/8/2011	No change to listed status
Ceanothus, Pine Hill ( <i>Ceanothus roderickii</i> )	8	10/18/1996	8/30/2002	F	18	41,514,600**	100	E	5C	N/A	*
Ceanothus, Vail Lake ( <i>Ceanothus ophiophilus</i> )	8	10/13/1998	N/A	N/A	N/A	N/A	N/A	T	8C	6/17/2013	No change to listed status
Centauray, spring-loving ( <i>Centaurium namophilum</i> )	8	5/20/1985	9/28/1990	F	5	7,345,000**	15	T	14	8/13/2009	No change to listed status*
Chaff-flower, round-leaved ( <i>Achyranthes splendens var. rotundata</i> )	1	3/26/1986	10/5/1993	D	3	UNK	UNK	E	3	8/7/2013	No change to listed status
Chaffseed, American ( <i>Schwalbea americana</i> )	5	9/29/1992	9/29/1995	F	13	UNK	UNK	E	7	8/13/2010	No change to listed status
Checker-mallow, Keck's ( <i>Sidalcea keckii</i> )	8	2/16/2000	N/A	N/A	N/A	N/A	N/A	E	5C	6/20/2012	No change to listed status
Checker-mallow, Kenwood Marsh ( <i>Sidalcea oregana ssp. valida</i> )	8	10/22/1997	N/A	N/A	N/A	N/A	N/A	E	3C	6/15/2009	No change to listed status*
Checker-mallow, Nelson's ( <i>Sidalcea nelsoniana</i> )	1	2/12/1993	5/20/2010	F	31	16,590,000**	25	T	2	7/11/2012	No change to listed status
Checker-mallow, pedate ( <i>Sidalcea pedata</i> )	8	8/31/1984	7/31/1998	F	17	UNK	UNK	E	5C	3/18/2011	No change to listed status
Checkermallow, Wenatchee Mountains ( <i>Sidalcea oregana var. calva</i> )	1	12/22/1999	9/30/2004	F	21	896,000	13	E	3	9/30/2011	No change to listed status
Chumbo, Higo ( <i>Harrisia portoricensis</i> )	4	8/8/1990	11/12/1996	F	18	74,000	19	T	14	1/20/2010	No change to listed status
Chupacallos ( <i>Pleodendron macranthum</i> )	4	11/25/1994	9/11/1998	F	10	UNK	UNK	E	8	6/29/2014	No change to listed status
Clarkia, Pismo ( <i>Clarkia speciosa ssp. immaculata</i> )	8	12/15/1994	9/28/1998	F	N/A	UNK	UNK	E	6C	8/17/2009	No change to listed status*
Clarkia, Presidio ( <i>Clarkia franciscana</i> )	8	2/3/1995	9/30/1998	F	13	172,940,000**	30	E	5C	11/19/2010	No change to listed status
Clarkia, Springville ( <i>Clarkia springvillensis</i> )	8	9/14/1998	N/A	N/A	N/A	N/A	N/A	T	8	8/17/2009	No change to listed status*

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\*5-Year Review in progress as of September 30, 2014

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Recovery Data as of September 30, 2014

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Active Plan Date	Plan Status <sup>1</sup>	Number of Recovery Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	Five-Year Review Status Recommendation
Clarkia, Vine Hill ( <i>Clarkia imbricata</i> )	8	10/22/1997	N/A	N/A	N/A	N/A	N/A	E	5	9/8/2011	No change to listed status
Cliff-rose, Arizona ( <i>Purshia (=Cowania) subintegra</i> )	2	5/29/1984	6/16/1995	F	21	UNK	UNK	E	2	8/16/2013	No change to listed status
Clover, Monterey ( <i>Trifolium trichocalyx</i> )	8	8/12/1998	8/19/2004	F	4	UNK	UNK	E	5C	9/16/2009	No change to listed status
Clover, running buffalo ( <i>Trifolium stoloniferum</i> )	3	6/5/1987	6/14/2007	RF(1)	6	1,193,000	15	E	8	5/6/2011	Reclassify to T
Clover, showy Indian ( <i>Trifolium amoenum</i> )	8	10/22/1997	N/A	N/A	N/A	N/A	N/A	E	2	6/20/2012	No change to listed status
Cobana negra ( <i>Stahlia monosperma</i> )	4	4/5/1990	11/1/1996	F	10	194,000	19	T	8	N/A	*
Coneflower, smooth ( <i>Echinacea laevigata</i> )	4	10/8/1992	4/18/1995	F	10	UNK	UNK	E	5	8/2/2011	Reclassify to T
Cory cactus, bunched ( <i>Coryphantha ramillosa</i> )	2	12/6/1979	4/13/1990	F	3	UNK	UNK	T	8	N/A	*
Crownbeard, big-leaved ( <i>Verbesina dissita</i> )	8	10/7/1996	N/A	N/A	N/A	N/A	N/A	T	11C	8/6/2010	No change to listed status
Crownscale, San Jacinto Valley ( <i>Atriplex coronata var. notatior</i> )	8	10/13/1998	N/A	N/A	N/A	N/A	N/A	E	9C	8/17/2012	No change to listed status
Cycladenia, Jones ( <i>Cycladenia humilis var. jonesii</i> )	6	5/5/1986	N/A	N/A	N/A	N/A	N/A	T	12C	N/A	*
Daisy, Lakeside ( <i>Hymenoxys herbacea</i> )	3	6/23/1988	9/19/1990	F	12	1,591,600	14	T	8	3/4/2010	No change to listed status*
Daisy, Parish's ( <i>Erigeron parishii</i> )	8	8/24/1994	9/30/1997	D	8	780,000**	15	T	8C	8/13/2009	No change to listed status*
Daisy, Willamette ( <i>Erigeron decumbens var. decumbens</i> )	1	1/25/2000	5/20/2010	F	32	16,590,000**	25	E	3C	9/30/2010	No change to listed status
Dawn-flower, Texas prairie ( <i>Hymenoxys texana</i> )	2	3/13/1986	4/13/1990	F	14	UNK	UNK	E	5C	N/A	*
Desert-parsley, Bradshaw's ( <i>Lomatium bradshawii</i> )	1	9/30/1988	5/20/2010	F	31	16,590,000**	25	E	5	9/24/2009	No change to listed status
Dogweed, ashy ( <i>Thymophylla tephroleuca</i> )	2	7/19/1984	7/29/1988	F	15	UNK	UNK	E	5	10/7/2011	No change to listed status
Dropwort, Canby's ( <i>Oxypolis canbyi</i> )	4	2/25/1986	4/10/1990	F	11	UNK	UNK	E	5	9/13/2010	No change to listed status*
Dudleya, Conejo ( <i>Dudleya abramsii ssp. parva</i> )	8	1/29/1997	9/30/1999	F	4	1,338,000**	19	T	2C	3/31/2009	No change to listed status*
Dudleya, marcescent ( <i>Dudleya cymosa ssp. marcescens</i> )	8	1/29/1997	9/30/1999	F	4	1,338,000**	19	T	9	8/14/2009	No change to listed status
Dudleya, Santa Clara Valley ( <i>Dudleya setchellii</i> )	8	2/3/1995	9/30/1998	F	16	172,940,000**	30	E	2C	2/5/2013	No change to listed status
Dudleya, Santa Cruz Island ( <i>Dudleya nesiotica</i> )	8	7/31/1997	9/26/2000	F	4	51,920,000**	40	T	8	8/17/2009	No change to listed status

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Dudleya, Verity's ( <i>Dudleya verityi</i> )	8	1/29/1997	9/30/1999	F	3	1,338,000**	19	T	5C	8/17/2009	No change to listed status
Dudleyea, Santa Monica Mountains ( <i>Dudleya cymosa</i> ssp. <i>ovatifolia</i> )	8	1/29/1997	9/30/1999	F	3	1,338,000**	19	T	6	11/13/2009	No change to listed status
Dwarf-flax, Marin ( <i>Hesperolinon congestum</i> )	8	2/3/1995	9/30/1998	F	17	172,940,000**	30	T	8C	9/8/2011	No change to listed status
Erubia ( <i>Solanum drymophilum</i> )	4	8/26/1988	7/9/1992	F	6	UNK	UNK	E	2C	N/A	*
Evening-primrose, Antioch Dunes ( <i>Oenothera deltoides</i> ssp. <i>howellii</i> )	8	5/27/1978	4/25/1984	RF(1)	20	UNK	UNK	E	3	7/10/2008	No change to listed status*
Evening-primrose, Eureka Valley ( <i>Oenothera avita</i> ssp. <i>eurekaensis</i> )	8	5/27/1978	12/13/1982	F	35	UNK	UNK	E	15	9/24/2007	Delist due to recovery*
Evening-primrose, San Benito ( <i>Camissonia benitensis</i> )	8	2/12/1985	9/21/2006	F	18	2,438,000	50	T	5	8/17/2009	No change to listed status*
Fiddleneck, large-flowered ( <i>Amsinckia grandiflora</i> )	8	5/8/1985	9/29/1997	F	21	UNK	UNK	E	5	2/4/2009	No change to listed status*
Flannelbush, Mexican ( <i>Fremontodendron mexicanum</i> )	8	10/13/1998	N/A	N/A	N/A	N/A	N/A	E	8	8/14/2009	No change to listed status
Flannelbush, Pine Hill ( <i>Fremontodendron californicum</i> ssp. <i>decumbens</i> )	8	10/18/1996	8/30/2002	F	15	UNK	UNK	E	6C	N/A	*
Fleabane, Zuni ( <i>Erigeron rhizomatus</i> )	2	4/26/1985	9/30/1988	F	8	UNK	UNK	T	14	9/27/2007	No change to listed status
Four-o'clock, MacFarlane's ( <i>Mirabilis macfarlanei</i> )	1	11/29/1979	6/30/2000	RF(1)	16	1,667,500	15	T	11	2/23/2009	No change to listed status
Frankenia, Johnston's ( <i>Frankenia johnstonii</i> )	2	8/7/1984	5/24/1988	F	16	112,500	UNK	E	14	N/A	*
Fringepod, Santa Cruz Island ( <i>Thysanocarpus conchuliferus</i> )	8	7/31/1997	9/26/2000	F	4	51,920,000**	40	E	8	8/17/2009	No change to listed status*
Fringe-tree, pygmy ( <i>Chionanthus pygmaeus</i> )	4	1/21/1987	5/18/1999	F	13	UNK	UNK	E	2	8/17/2010	No change to listed status
Fritillary, Gentner's ( <i>Fritillaria gentneri</i> )	1	12/10/1999	8/28/2003	F	22	3,126,000	16	E	2	N/A	*
Gardenia (=Na`u), Hawaiian ( <i>Gardenia brighamii</i> )	1	8/21/1985	9/30/1993	F	53	UNK	UNK	E	2	6/2/2014	No change to listed status
Geranium, Hawaiian red-flowered ( <i>Geranium arboreum</i> )	1	5/13/1992	7/29/1997	F	25	UNK	UNK	E	2	8/29/2011	No change to listed status
Gerardia, sandplain ( <i>Agalinis acuta</i> )	5	9/7/1988	9/20/1989	F	17	UNK	UNK	E	5C	N/A	*
Gilia, Hoffmann's slender-flowered ( <i>Gilia tenuiflora</i> ssp. <i>hoffmannii</i> )	8	7/31/1997	9/26/2000	F	5	51,920,000**	40	E	6	7/14/2009	No change to listed status
Gilia, Monterey ( <i>Gilia tenuiflora</i> ssp. <i>arenaria</i> )	8	6/22/1992	9/29/1998	F	9	901,000**	UNK	E	9	3/31/2008	No change to listed status*
Glade cress, Kentucky ( <i>Leavenworthia exigua laciniata</i> )	4	6/5/2014	N/A	N/A	N/A	N/A	N/A	T	9	N/A	Species listed < 5 years

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Gladecress, [unnamed] ( <i>Leavenworthia crassa</i> )	4	8/1/2014	N/A	N/A	N/A	N/A	N/A	E	2	N/A	Species listed < 5 years
Gladecress, Texas golden ( <i>Leavenworthia texana</i> )	2	10/11/2013	N/A	N/A	N/A	N/A	N/A	E	UNK	N/A	Species listed < 5 years
Goetzea, beautiful ( <i>Goetzea elegans</i> )	4	4/19/1985	4/28/1987	F	16	UNK	UNK	E	8	8/29/2013	No change to listed status
Goldenrod, Blue Ridge ( <i>Solidago spithamaea</i> )	4	3/28/1985	10/28/1987	F	12	UNK	UNK	T	8	3/29/2012	No change to listed status
Goldenrod, Houghton's ( <i>Solidago houghtonii</i> )	3	7/18/1988	9/17/1997	F	28	506,500	11	T	8C	9/12/2011	No change to listed status
Goldenrod, Short's ( <i>Solidago shortii</i> )	4	9/5/1985	5/25/1988	F	17	UNK	UNK	E	8	10/25/2007	No change to listed status
Goldenrod, white-haired ( <i>Solidago albopilosa</i> )	4	4/7/1988	9/28/1993	F	13	305,300	10	T	8	3/3/2009	No change to listed status
Goldfields, Burke's ( <i>Lasthenia burkei</i> )	8	12/2/1991	N/A	N/A	N/A	N/A	N/A	E	2C	9/30/2008	No change to listed status*
Goldfields, Contra Costa ( <i>Lasthenia conjugens</i> )	8	6/18/1997	12/15/2005	F	9	1,087,862,000**	58	E	5C	2/21/2013	No change to listed status
Gooseberry, Miccosukee ( <i>Ribes echinellum</i> )	4	7/18/1985	Exempt	Exempt	Exempt	Exempt	Exempt	T	11	7/15/2008	No change to listed status
Gourd, Okeechobee ( <i>Cucurbita okeechobeensis</i> ssp. <i>okeechobeensis</i> )	4	7/12/1993	5/18/1999	F	14	UNK	UNK	E	3	9/3/2009	No change to listed status
Grass, Colusa ( <i>Neostapfia colusana</i> )	8	3/26/1997	12/15/2005	F	10	1,087,862,000**	58	T	2C	7/10/2008	No change to listed status*
Grass, Eureka Dune ( <i>Swallenia alexandrae</i> )	8	5/27/1978	12/13/1982	F	35	UNK	UNK	E	13	9/24/2007	Delist due to recovery*
Grass, Solano ( <i>Tuctoria mucronata</i> )	8	9/29/1978	12/15/2005	F	10	1,087,862,000**	58	E	2	4/1/2009	No change to listed status*
Grass, Tennessee yellow-eyed ( <i>Xyris tennesseensis</i> )	4	7/26/1991	6/24/1994	F	12	UNK	UNK	E	8	3/12/2014	No change to listed status
Ground-plum, Guthrie's (=Pyne's) ( <i>Astragalus bibullatus</i> )	4	9/26/1991	7/20/2011	F	13	2,710,000	14	E	2	10/20/2011	No change to listed status
Gumplant, Ash Meadows ( <i>Grindelia fraxinipratensis</i> )	8	5/20/1985	9/28/1990	F	5	7,345,000**	15	T	14	1/10/2008	No change to listed status*
Ha'iwale ( <i>Cyrtandra crenata</i> )	1	3/28/1994	8/10/1998	F	21	UNK	UNK	E	5	8/2/2011	No change to listed status
Ha'iwale ( <i>Cyrtandra dentata</i> )	1	10/10/1996	8/10/1998	F	21	UNK	UNK	E	8	8/28/2012	No change to listed status
Ha'iwale ( <i>Cyrtandra filipes</i> )	1	6/27/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Ha'iwale ( <i>Cyrtandra giffardii</i> )	1	3/4/1994	9/26/1996	F	31	9,395,000**	20	E	2	8/28/2012	No change to listed status
Ha'iwale ( <i>Cyrtandra kaulantha</i> )	1	10/18/2012	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years

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Ha`iwale ( <i>Cyrtandra limahuliensis</i> )	1	2/25/1994	9/20/1995	F	27	UNK	UNK	T	14	8/27/2010	No change to listed status
Ha`iwale ( <i>Cyrtandra munroi</i> )	1	5/15/1992	9/29/1995	F	39	UNK	UNK	E	5	8/2/2011	No change to listed status
Ha`iwale ( <i>Cyrtandra oenobarba</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	2	N/A	Species listed < 5 years
Ha`iwale ( <i>Cyrtandra oxybapha</i> )	1	6/27/2013	N/A	N/A	N/A	N/A	N/A	E	2	N/A	Species listed < 5 years
Ha`iwale ( <i>Cyrtandra polyantha</i> )	1	3/28/1994	8/10/1998	F	21	UNK	UNK	E	5	8/1/2013	No change to listed status
Ha`iwale ( <i>Cyrtandra sessilis</i> )	1	10/18/2012	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Ha`iwale ( <i>Cyrtandra subumbellata</i> )	1	10/10/1996	8/10/1998	F	21	UNK	UNK	E	8	8/1/2013	No change to listed status
Ha`iwale ( <i>Cyrtandra tintinnabula</i> )	1	3/4/1994	9/26/1996	F	31	9,395,000**	20	E	5	8/28/2012	No change to listed status
Ha`iwale ( <i>Cyrtandra viridiflora</i> )	1	10/10/1996	8/10/1998	F	22	UNK	UNK	E	5	8/1/2013	No change to listed status
Haha ( <i>Cyanea acuminata</i> )	1	10/10/1996	8/10/1998	F	22	UNK	UNK	E	11	8/20/2013	No change to listed status
Haha ( <i>Cyanea asarifolia</i> )	1	2/25/1994	9/20/1995	F	39	UNK	UNK	E	5	4/8/2009	No change to listed status
Haha ( <i>Cyanea asplenifolia</i> )	1	6/27/2013	N/A	N/A	N/A	N/A	N/A	E	2	N/A	Species listed < 5 years
Haha ( <i>Cyanea calycina</i> )	1	10/18/2012	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Haha ( <i>Cyanea copelandii</i> ssp. <i>copelandii</i> )	1	3/4/1994	9/26/1996	F	31	9,395,000**	20	E	6	8/28/2012	No change to listed status
Haha ( <i>Cyanea copelandii</i> ssp. <i>haleakalaensis</i> )	1	9/3/1999	7/10/1999	F	22	33,900,000**	11	E	6	8/2/2011	No change to listed status
Haha ( <i>Cyanea dolichopoda</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Haha ( <i>Cyanea dunbarii</i> )	1	10/10/1996	9/26/1996	F	20	24,784,000**	UNK	E	5	3/12/2014	No change to listed status
haha ( <i>Cyanea duvalliorum</i> )	1	6/27/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Haha ( <i>Cyanea eleeleensis</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Haha ( <i>Cyanea glabra</i> )	1	9/3/1999	7/10/1999	F	22	33,900,000**	11	E	5	8/2/2011	No change to listed status
Haha ( <i>Cyanea grimesiana</i> ssp. <i>grimesiana</i> )	1	10/10/1996	7/10/1999	F	21	33,900,000**	11	E	6	8/2/2011	No change to listed status
Haha ( <i>Cyanea grimesiana</i> ssp. <i>obatae</i> )	1	6/27/1994	8/10/1998	F	21	UNK	UNK	E	6	8/28/2012	No change to listed status

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Recovery Data as of September 30, 2014

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Active Plan Date	Plan Status <sup>1</sup>	Number of Recovery Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	Five-Year Review Status Recommendation
Haha ( <i>Cyanea hamatiflora</i> ssp. <i>carlsonii</i> )	1	3/4/1994	9/26/1996	F	32	9,395,000**	20	E	6	7/21/2009	No change to listed status*
Haha ( <i>Cyanea hamatiflora</i> ssp. <i>hamatiflora</i> )	1	9/3/1999	7/10/1999	F	22	33,900,000**	11	E	6	3/14/2014	No change to listed status
Haha ( <i>Cyanea humboldtiana</i> )	1	10/10/1996	8/10/1998	F	22	UNK	UNK	E	5	8/2/2011	No change to listed status
Haha ( <i>Cyanea kolekoleensis</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Haha ( <i>Cyanea koolauensis</i> )	1	10/10/1996	8/10/1998	F	22	UNK	UNK	E	5	8/9/2013	No change to listed status
Haha ( <i>Cyanea kuhihewa</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Haha ( <i>Cyanea kunthiana</i> )	1	6/27/2013	N/A	N/A	N/A	N/A	N/A	E	2	N/A	Species listed < 5 years
Haha ( <i>Cyanea lanceolata</i> )	1	10/18/2012	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Haha ( <i>Cyanea lobata</i> )	1	5/15/1992	7/29/1997	F	27	UNK	UNK	E	2	3/12/2014	No change to listed status
Haha ( <i>Cyanea longiflora</i> )	1	10/10/1996	8/10/1998	F	23	UNK	UNK	E	11	4/8/2009	No change to listed status
Haha ( <i>Cyanea macrostegia</i> ssp. <i>gibsonii</i> )	1	9/20/1991	9/29/1995	F	31	UNK	UNK	E	6	3/12/2014	No change to listed status
haha ( <i>Cyanea magnicalyx</i> )	1	6/27/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Haha ( <i>Cyanea mannii</i> )	1	10/8/1992	9/26/1996	F	19	24,784,000**	UNK	E	2	8/2/2011	No change to listed status
haha ( <i>Cyanea maritae</i> )	1	6/27/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Haha ( <i>Cyanea marksii</i> )	1	11/29/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
haha ( <i>Cyanea mauiensis</i> )	1	6/27/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Haha ( <i>Cyanea mceldowneyi</i> )	1	5/15/1992	7/29/1997	F	25	UNK	UNK	E	2	6/2/2014	No change to listed status
haha ( <i>Cyanea munroi</i> )	1	6/27/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Haha ( <i>Cyanea obtusa</i> )	1	6/27/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Haha ( <i>Cyanea pinnatifida</i> )	1	10/29/1991	8/10/1998	F	22	UNK	UNK	E	5	8/28/2012	No change to listed status
Haha ( <i>Cyanea platyphylla</i> )	1	10/10/1996	5/11/1998	F	29	14,181,000**	UNK	E	2	8/28/2012	No change to listed status
Haha ( <i>Cyanea procera</i> )	1	10/8/1992	9/26/1996	F	19	24,784,000**	UNK	E	5	6/5/2014	No change to listed status

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\*5-Year Review in progress as of September 30, 2014

\*\*See Estimated Cost to Recovery Description

Recovery Data as of September 30, 2014

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Active Plan Date	Plan Status <sup>1</sup>	Number of Recovery Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	Five-Year Review Status Recommendation
Haha ( <i>Cyanea recta</i> )	1	10/10/1996	9/20/1995	F	36	UNK	UNK	T	2	8/27/2010	No change to listed status
Haha ( <i>Cyanea remyi</i> )	1	10/10/1996	9/20/1995	F	36	UNK	UNK	E	5	8/27/2010	No change to listed status
Haha ( <i>Cyanea rivularis</i> )	1	10/10/1996	9/20/1995	F	35	UNK	UNK	E	5	8/27/2010	No change to listed status
Haha ( <i>Cyanea shipmanii</i> )	1	3/4/1994	9/26/1996	F	30	9,395,000**	20	E	2	7/21/2009	No change to listed status*
Haha ( <i>Cyanea st.-johnii</i> )	1	10/10/1996	8/10/1998	F	22	UNK	UNK	E	5	8/28/2012	No change to listed status
Haha ( <i>Cyanea stictophylla</i> )	1	3/4/1994	9/26/1996	F	31	9,395,000**	20	E	2	8/28/2012	No change to listed status
Haha ( <i>Cyanea superba</i> )	1	9/11/1991	8/10/1998	F	23	UNK	UNK	E	5	8/28/2012	No change to listed status
Haha ( <i>Cyanea truncata</i> )	1	3/28/1994	8/10/1998	F	21	UNK	UNK	E	5	8/28/2012	No change to listed status
Haha ( <i>Cyanea undulata</i> )	1	9/20/1991	5/31/1994	F	32	UNK	UNK	E	5	1/18/2008	No change to listed status
haiwale ( <i>Cyrtandra ferripilosa</i> )	1	6/27/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Haiwale ( <i>Cyrtandra paliku</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Hala pepe ( <i>Pleomele fernaldii</i> )	1	6/27/2013	N/A	N/A	N/A	N/A	N/A	E	2	N/A	Species listed < 5 years
Hala pepe ( <i>Pleomele forbesii</i> )	1	10/18/2012	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Hala pepe ( <i>Pleomele hawaiiensis</i> )	1	10/10/1996	5/11/1998	F	31	14,181,000**	UNK	E	2	8/28/2012	No change to listed status
Harebells, Avon Park ( <i>Crotalaria avonensis</i> )	4	4/27/1993	5/18/1999	F	17	UNK	UNK	E	5C	7/13/2007	No change to listed status
Harperella ( <i>Ptilimnium nodosum</i> )	5	9/28/1988	3/5/1991	F	23	UNK	UNK	E	8	N/A	*
Hau kuahiwi ( <i>Hibiscadelphus giffardianus</i> )	1	10/10/1996	5/11/1998	F	26	14,181,000**	UNK	E	5	1/18/2008	No change to listed status*
Hau kuahiwi ( <i>Hibiscadelphus hualalaiensis</i> )	1	10/10/1996	5/11/1998	F	30	14,181,000**	UNK	E	5	1/18/2008	No change to listed status*
Hau kuahiwi ( <i>Hibiscadelphus woodii</i> )	1	10/10/1996	9/20/1995	F	34	UNK	UNK	E	5	8/28/2012	No change to listed status
Heartleaf, dwarf-flowered ( <i>Hexastylis naniflora</i> )	4	4/14/1989	N/A	N/A	N/A	N/A	N/A	T	14	5/2/2011	No change to listed status
Heather, mountain golden ( <i>Hudsonia montana</i> )	4	10/20/1980	9/14/1983	F	15	UNK	UNK	T	8	1/14/2013	No change to listed status
Heau ( <i>Exocarpos luteolus</i> )	1	2/25/1994	9/20/1995	F	28	UNK	UNK	E	5	8/27/2010	No change to listed status

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## Recovery Data as of September 30, 2014

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Active Plan Date	Plan Status <sup>1</sup>	Number of Recovery Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	Five-Year Review Status Recommendation
Hedyotis, Na Pali beach ( <i>Kadua st.-johnii</i> )	1	9/30/1991	9/20/1995	F	33	UNK	UNK	E	5	7/21/2009	No change to listed status
Hibiscus, Clay's ( <i>Hibiscus clayi</i> )	1	2/25/1994	9/20/1995	F	37	UNK	UNK	E	5	1/18/2008	No change to listed status
Higuero de sierra ( <i>Crescentia portoricensis</i> )	4	12/4/1987	9/23/1991	F	14	UNK	UNK	E	14	N/A	*
Ho'awa ( <i>Pittosporum napaliense</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	2	N/A	Species listed < 5 years
Holei ( <i>Ochrosia kilaueaensis</i> )	1	3/4/1994	9/26/1996	F	30	9,395,000**	20	E	5	8/28/2012	No change to listed status
Holly, Cook's ( <i>Ilex cookii</i> )	4	6/16/1987	1/31/1991	F	5	UNK	UNK	E	5	8/6/2013	No change to listed status
Honohono ( <i>Haplostachys haplostachya</i> )	1	11/29/1979	9/20/1993	D	N/A	UNK	UNK	E	1	8/28/2012	No change to listed status
Howellia, water ( <i>Howellia aquatilis</i> )	6	7/14/1994	9/24/1996	D	23	624,000	9	T	13	8/30/2013	Delist due to recovery
Hulumoa ( <i>Korthalsella degeneri</i> )	1	10/18/2012	N/A	N/A	N/A	N/A	N/A	E	2	N/A	Species listed < 5 years
Hypericum, highlands scrub ( <i>Hypericum cumulicola</i> )	4	1/21/1987	5/18/1999	F	20	UNK	UNK	E	2	9/5/2008	No change to listed status
Iagu, Hayun (=Guam), Tronkon guafi (Rota) ( <i>Serianthes nelsonii</i> )	1	2/18/1987	2/2/1994	F	36	UNK	UNK	E	2	8/28/2012	No change to listed status*
Iliau, dwarf ( <i>Wilkesia hobbeyi</i> )	1	6/22/1992	9/20/1995	F	33	UNK	UNK	E	2	8/27/2010	No change to listed status
Indian paintbrush, San Clemente Island ( <i>Castilleja grisea</i> )	8	9/12/1977	1/26/1984	F	29	UNK	UNK	T	14	7/10/2012	Reclassify to T
Ipomopsis, Holy Ghost ( <i>Ipomopsis sancti-spiritus</i> )	2	3/23/1994	9/26/2002	F	17	6,375,000	20	E	2	10/22/2008	No change to listed status
Iris, dwarf lake ( <i>Iris lacustris</i> )	3	9/28/1988	8/1/2013	F	7	619,000	15	T	8C	8/4/2011	No change to listed status
Irisette, white ( <i>Sisyrinchium dichotomum</i> )	4	9/26/1991	4/10/1995	F	10	UNK	UNK	E	8C	5/3/2013	No change to listed status
Ischaemum, Hilo ( <i>Ischaemum byrone</i> )	1	3/4/1994	9/26/1996	F	32	9,395,000**	20	E	5	8/27/2010	No change to listed status*
Ivesia, Ash Meadows ( <i>Ivesia kingii</i> var. <i>eremica</i> )	8	5/20/1985	9/28/1990	F	4	7,345,000**	15	T	8	N/A	*
Ivesia, Webber ( <i>Ivesia webberi</i> )	8	7/3/2014	N/A	N/A	N/A	N/A	N/A	T	UNK	N/A	Species listed < 5 years
Jacquemontia, beach ( <i>Jacquemontia reclinata</i> )	4	11/24/1993	5/18/1999	F	30	UNK	UNK	E	2	5/30/2007	No change to listed status
Jewelflower, California ( <i>Caulanthus californicus</i> )	8	7/19/1990	9/30/1998	F	17	40,104,000**	20	E	2	8/7/2013	No change to listed status
Jewelflower, Metcalf Canyon ( <i>Streptanthus albidus</i> ssp. <i>albidus</i> )	8	2/3/1995	9/30/1998	F	15	172,940,000**	30	E	3C	2/5/2013	No change to listed status

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Jewelflower, Tiburon ( <i>Streptanthus niger</i> )	8	2/3/1995	9/30/1998	F	9	172,940,000**	30	E	5C	8/10/2010	No change to listed status
Joint-vetch, Sensitive ( <i>Aeschynomene virginica</i> )	5	5/20/1992	9/29/1995	F	13	662,000	20	T	2	9/25/2013	No change to listed status
Kamakahala ( <i>Labordia cyrtandrae</i> )	1	10/10/1996	8/10/1998	F	22	UNK	UNK	E	5	8/15/2013	No change to listed status
Kamakahala ( <i>Labordia helleri</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	2	N/A	Species listed < 5 years
Kamakahala ( <i>Labordia lydgatei</i> )	1	9/20/1991	5/31/1994	F	39	UNK	UNK	E	5	6/2/2009	No change to listed status
Kamakahala ( <i>Labordia pumila</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	2	N/A	Species listed < 5 years
Kamakahala ( <i>Labordia tinifolia</i> var. <i>lanaiensis</i> )	1	9/3/1999	7/10/1999	F	20	33,900,000**	11	E	6	8/28/2012	No change to listed status
Kamakahala ( <i>Labordia tinifolia</i> var. <i>wahiawaensis</i> )	1	10/10/1996	9/20/1995	F	34	UNK	UNK	E	6	6/2/2009	No change to listed status
Kamakahala ( <i>Labordia triflora</i> )	1	9/3/1999	7/10/1999	F	21	33,900,000**	11	E	5	6/2/2014	No change to listed status
Kamanomano ( <i>Cenchrus agrimonioides</i> )	1	10/10/1996	7/10/1999	F	20	33,900,000**	11	E	5	3/12/2014	No change to listed status
Kauai hau kuahiwi ( <i>Hibiscadelphus distans</i> )	1	4/29/1986	6/5/1996	F	17	2,713,000	19	E	2	7/21/2009	No change to listed status
Kauila ( <i>Colubrina oppositifolia</i> )	1	3/4/1994	9/26/1996	F	31	9,395,000**	20	E	5	8/2/2011	No change to listed status*
Kaulu ( <i>Pteralyxia kauaiensis</i> )	1	2/25/1994	9/20/1995	F	29	UNK	UNK	E	5	8/27/2010	No change to listed status
Kaulu ( <i>Pteralyxia macrocarpa</i> )	1	10/18/2012	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Kio`ele ( <i>Kadua coriacea</i> )	1	5/15/1992	7/29/1997	F	27	UNK	UNK	E	2	1/18/2008	No change to listed status*
Kiponapona ( <i>Phyllostegia racemosa</i> )	1	10/10/1996	5/11/1998	F	29	14,181,000**	UNK	E	2	8/28/2012	No change to listed status
Ko`oko`olau ( <i>Bidens amplexens</i> )	1	10/18/2012	N/A	N/A	N/A	N/A	N/A	E	2	N/A	Species listed < 5 years
Ko`oko`olau ( <i>Bidens campylothecha pentamera</i> )	1	6/27/2013	N/A	N/A	N/A	N/A	N/A	E	3	N/A	Species listed < 5 years
Ko`oko`olau ( <i>Bidens campylothecha waihoiensis</i> )	1	6/27/2013	N/A	N/A	N/A	N/A	N/A	E	6	N/A	Species listed < 5 years
Ko`oko`olau ( <i>Bidens conjuncta</i> )	1	6/27/2013	N/A	N/A	N/A	N/A	N/A	E	2	N/A	Species listed < 5 years
Ko`oko`olau ( <i>Bidens micrantha ctenophylla</i> )	1	11/29/2013	N/A	N/A	N/A	N/A	N/A	E	3C	N/A	Species listed < 5 years
Ko`oko`olau ( <i>Bidens micrantha</i> ssp. <i>kalealaha</i> )	1	5/15/1992	7/29/1997	F	24	UNK	UNK	E	9	8/2/2011	No change to listed status

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Ko'oko'olau ( <i>Bidens wiebkei</i> )	1	10/8/1992	9/26/1996	F	18	24,784,000**	UNK	E	2	8/2/2011	No change to listed status
Ko'oloa`ula ( <i>Abutilon menziesii</i> )	1	9/26/1986	9/29/1995	F	42	UNK	UNK	E	2	8/2/2011	No change to listed status
Kohe malama malama o kanaloa ( <i>Kanaloa kahoalawensis</i> )	1	9/3/1999	7/10/1999	F	21	33,900,000**	11	E	1	3/27/2014	No change to listed status
Koki'o ( <i>Kokia drynarioides</i> )	1	12/4/1984	5/6/1994	F	30	UNK	UNK	E	2	7/21/2009	No change to listed status*
Koki'o ( <i>Kokia kauaiensis</i> )	1	10/10/1996	9/20/1995	F	35	UNK	UNK	E	5	8/27/2010	No change to listed status
Koki'o ke'oke'o ( <i>Hibiscus arnottianus ssp. immaculatus</i> )	1	10/8/1992	9/26/1996	F	17	24,784,000**	UNK	E	3	8/29/2011	No change to listed status
Koki'o ke'oke'o ( <i>Hibiscus waimeae ssp. hanneriae</i> )	1	10/10/1996	9/20/1995	F	34	UNK	UNK	E	3	8/27/2010	No change to listed status
Koki'o, Cooke's ( <i>Kokia cookei</i> )	1	11/29/1979	5/27/1998	F	18	6,365,000	29	E	5	3/27/2014	No change to listed status
Kolea ( <i>Myrsine juddii</i> )	1	10/10/1996	8/10/1998	F	20	UNK	UNK	E	8	8/19/2013	No change to listed status
Kolea ( <i>Myrsine knudsenii</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Kolea ( <i>Myrsine linearifolia</i> )	1	10/10/1996	9/20/1995	F	23	UNK	UNK	T	2	8/27/2010	No change to listed status
Kolea ( <i>Myrsine mezii</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Kolea ( <i>Myrsine vaccinioides</i> )	1	6/27/2013	N/A	N/A	N/A	N/A	N/A	E	2	N/A	Species listed < 5 years
Kookoolau ( <i>Bidens hillebrandiana ssp. hillebrandiana</i> )	1	11/29/2013	N/A	N/A	N/A	N/A	N/A	E	6	N/A	Species listed < 5 years
Kopa ( <i>Hedyotis schlechtendahlana var. remyi</i> )	1	9/3/1999	7/10/1999	F	20	33,900,000**	11	E	6	3/27/2014	No change to listed status
Kopiko ( <i>Psychotria grandiflora</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Kopiko ( <i>Psychotria hobdyi</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Kuahiwi laukahi ( <i>Plantago hawaiensis</i> )	1	3/4/1994	9/26/1996	F	30	9,395,000**	20	E	5	8/28/2012	No change to listed status
Kuahiwi laukahi ( <i>Plantago princeps</i> )	1	11/10/1994	7/10/1999	F	17	33,900,000**	11	E	5	8/12/2013	No change to listed status
Kuawawaenuhu ( <i>Schiedea lychnoides</i> )	1	10/10/1996	9/20/1995	F	34	UNK	UNK	E	2	8/27/2010	No change to listed status
Kula wahine noho ( <i>Isodendron pyriformum</i> )	1	3/4/1994	9/26/1996	F	26	9,395,000**	20	E	2	1/18/2008	No change to listed status*
Kulu'i ( <i>Nototrichium humile</i> )	1	10/29/1991	8/10/1998	F	21	UNK	UNK	E	8	8/8/2013	No change to listed status

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Ladies'-tresses, Canelo Hills ( <i>Spiranthes delitescens</i> )	2	1/6/1997	N/A	N/A	N/A	N/A	N/A	E	2C	N/A	*
Ladies'-tresses, Navasota ( <i>Spiranthes parksii</i> )	2	5/6/1982	9/21/1984	F	4	UNK	UNK	E	8C	8/26/2009	No change to listed status
Ladies'-tresses, Ute ( <i>Spiranthes diluvialis</i> )	6	1/17/1992	9/21/1995	D	16	UNK	UNK	T	14C	N/A	*
Larkspur, Baker's ( <i>Delphinium bakeri</i> )	8	1/26/2000	N/A	N/A	N/A	N/A	N/A	E	5	6/20/2012	No change to listed status
Larkspur, San Clemente Island ( <i>Delphinium variegatum</i> ssp. <i>kinkiense</i> )	8	9/12/1977	1/26/1984	F	30	UNK	UNK	E	15	3/31/2008	Reclassify to T*
Larkspur, yellow ( <i>Delphinium luteum</i> )	8	1/26/2000	N/A	N/A	N/A	N/A	N/A	E	8C	9/8/2011	No change to listed status
Lau `ehu ( <i>Panicum niuhauense</i> )	1	10/10/1996	7/10/1999	F	17	33,900,000**	11	E	2	1/18/2008	No change to listed status
Laulihilihi ( <i>Schiedea stellarioides</i> )	1	10/10/1996	9/20/1995	F	35	UNK	UNK	E	2	8/27/2010	No change to listed status
Layia, beach ( <i>Layia carnosa</i> )	8	6/22/1992	9/29/1998	F	11	901,000**	UNK	E	8	1/27/2012	Reclassify to T
Lead-plant, Crenulate ( <i>Amorpha crenulata</i> )	4	7/18/1985	5/18/1999	F	23	UNK	UNK	E	5C	9/21/2007	No change to listed status
Leather flower, Alabama ( <i>Clematis socialis</i> )	4	9/26/1986	12/27/1989	F	17	UNK	UNK	E	5	7/12/2010	No change to listed status
Leather flower, Morefield's ( <i>Clematis morefieldii</i> )	4	5/20/1992	5/3/1994	F	8	UNK	UNK	E	8	9/14/2010	No change to listed status
lehua makanoë ( <i>Lysimachia daphnoides</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	2	N/A	Species listed < 5 years
Lessingia, San Francisco ( <i>Lessingia germanorum</i> (=L.g. var. <i>germanorum</i> ))	8	6/19/1997	8/8/2003	F	14	23,432,500**	27	E	2C	6/20/2012	No change to listed status
Liliwai ( <i>Acaena exigua</i> )	1	5/15/1992	7/29/1997	F	32	UNK	UNK	E	5	3/11/2014	No change to listed status
Lily, Minnesota dwarf trout ( <i>Erythronium propullans</i> )	3	3/26/1986	12/16/1987	F	10	426,000	3	E	5C	8/24/2011	No change to listed status
Lily, Pitkin Marsh ( <i>Lilium pardalinum</i> ssp. <i>pitkinense</i> )	8	10/22/1997	N/A	N/A	N/A	N/A	N/A	E	6C	8/17/2009	No change to listed status*
Lily, Western ( <i>Lilium occidentale</i> )	8	8/17/1994	3/31/1998	F	21	UNK	UNK	E	2	5/4/2009	No change to listed status*
Liveforever, Laguna Beach ( <i>Dudleya stolonifera</i> )	8	10/13/1998	N/A	N/A	N/A	N/A	N/A	T	8	4/16/2010	No change to listed status
Liveforever, Santa Barbara Island ( <i>Dudleya traskiae</i> )	8	5/27/1978	6/27/1985	F	10	UNK	UNK	E	8	8/24/2012	No change to listed status
Lo`ulu ( <i>Pritchardia maideniana</i> )	1	3/4/1994	9/26/1996	F	32	9,395,000**	20	E	5	8/28/2012	No change to listed status
Lo`ulu ( <i>Pritchardia kaalae</i> )	1	10/10/1996	8/10/1998	F	22	UNK	UNK	E	5	8/12/2013	No change to listed status

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Recovery Data as of September 30, 2014

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Active Plan Date	Plan Status <sup>1</sup>	Number of Recovery Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	Five-Year Review Status Recommendation
Lo`ulu ( <i>Pritchardia lanigera</i> )	1	11/29/2013	N/A	N/A	N/A	N/A	N/A	E	UNK	N/A	Species listed < 5 years
Lo`ulu ( <i>Pritchardia munroi</i> )	1	10/8/1992	9/26/1996	F	20	24,784,000**	UNK	E	5	6/5/2014	No change to listed status
Lo`ulu ( <i>Pritchardia napaliensis</i> )	1	10/10/1996	9/20/1995	F	35	UNK	UNK	E	5	8/27/2010	No change to listed status
Lo`ulu ( <i>Pritchardia remota</i> )	1	8/21/1996	3/31/1998	F	24	3,991,000**	14	E	2	7/21/2009	No change to listed status
Lo`ulu ( <i>Pritchardia schattaueri</i> )	1	10/10/1996	5/11/1998	F	29	14,181,000**	UNK	E	5	6/2/2009	No change to listed status*
Lo`ulu ( <i>Pritchardia viscosa</i> )	1	10/10/1996	9/20/1995	F	35	UNK	UNK	E	5	1/18/2008	No change to listed status
Lo`ulu, (=Na`ena`e) ( <i>Pritchardia hardyi</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	2	N/A	Species listed < 5 years
Locoweed, Fassett's ( <i>Oxytropis campestris</i> var. <i>chartacea</i> )	3	9/28/1988	3/29/1991	F	6	425,000	14	T	9	6/19/2013	No change to listed status
Lomatium, Cook's ( <i>Lomatium cookii</i> )	1	11/7/2002	3/22/2013	F	67	6,971,000	20	E	2C	9/27/2011	No change to listed status
Loosestrife, rough-leaved ( <i>Lysimachia asperulaefolia</i> )	4	6/12/1987	4/19/1995	F	13	UNK	UNK	E	8	N/A	*
Lotus, San Clemente Island ( <i>Acmispon dendroideus</i> var. <i>traskiae</i> (=Lotus d. ssp. <i>traskiae</i> ))	8	9/12/1977	1/26/1984	F	29	UNK	UNK	T	15	7/10/2012	Reclassify to T
Lousewort, Furbish ( <i>Pedicularis furbishiae</i> )	5	5/27/1978	7/2/1991	RF(1)	13	149,000	7	E	14	4/9/2007	Reclassify to T*
Love grass, Fosberg's ( <i>Eragrostis fosbergii</i> )	1	10/10/1996	8/10/1998	F	21	UNK	UNK	E	5	8/2/2011	No change to listed status
Lupine, clover ( <i>Lupinus tidestromii</i> )	8	6/22/1992	9/29/1998	F	9	901,000**	UNK	E	5	2/16/2010	No change to listed status
Lupine, Kincaid's ( <i>Lupinus sulphureus</i> ssp. <i>kincaidii</i> )	1	1/25/2000	5/20/2010	F	36	16,590,000**	25	T	6C	9/29/2010	No change to listed status
Lupine, Nipomo Mesa ( <i>Lupinus nipomensis</i> )	8	3/20/2000	N/A	N/A	N/A	N/A	N/A	E	5	10/19/2009	No change to listed status
Lupine, scrub ( <i>Lupinus aridorum</i> )	4	4/7/1987	6/20/1996	RF(1)	25	UNK	UNK	E	2C	11/27/2007	No change to listed status
Ma`o hau hele, (=native yellow hibiscus) ( <i>Hibiscus brackenridgei</i> )	1	11/10/1994	7/10/1999	F	21	33,900,000**	11	E	2	8/19/2013	No change to listed status
Ma`oli`oli ( <i>Schiedea apokremnos</i> )	1	9/30/1991	9/20/1995	F	28	UNK	UNK	E	5	8/27/2010	No change to listed status
Ma`oli`oli ( <i>Schiedea hawaiiensis</i> )	1	11/29/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Ma`oli`oli ( <i>Schiedea kealiae</i> )	1	10/10/1996	8/10/1998	F	20	UNK	UNK	E	8	8/13/2013	No change to listed status
Mahoe ( <i>Alectryon macrococcus</i> )	1	5/15/1992	7/29/1997	F	8	UNK	UNK	E	5	8/7/2013	No change to listed status

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Species Name	Lead Region	Date Listed	Active Plan Date	Plan Status <sup>1</sup>	Number of Recovery Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	Five-Year Review Status Recommendation
Makou ( <i>Peucedanum sandwicense</i> )	1	2/25/1994	9/20/1995	F	27	UNK	UNK	T	8	8/28/2012	No change to listed status
Malacothrix, island ( <i>Malacothrix squalida</i> )	8	7/31/1997	9/26/2000	F	4	51,920,000**	40	E	2	8/30/2010	No change to listed status
Malacothrix, Santa Cruz Island ( <i>Malacothrix indecora</i> )	8	7/31/1997	9/26/2000	F	3	51,920,000**	40	E	8	8/30/2010	No change to listed status
mallow, Gierisch ( <i>Sphaeralcea gierischii</i> )	2	9/12/2013	N/A	N/A	N/A	N/A	N/A	E	UNK	N/A	Species listed < 5 years
Mallow, Kern ( <i>Eremalche kernensis</i> )	8	7/19/1990	9/30/1998	F	12	40,104,000**	20	E	2	8/7/2013	No change to listed status
Mallow, Peter's Mountain ( <i>Iliamna corei</i> )	5	5/12/1986	9/28/1990	F	11	153,000	10	E	8	10/23/2008	No change to listed status
Manaca, palma de ( <i>Calyptronoma rivalis</i> )	4	2/6/1990	6/25/1992	F	13	111,000	33	T	8	9/18/2009	No change to listed status
Manioc, Walker's ( <i>Manihot walkerae</i> )	2	10/2/1991	12/12/1993	F	8	UNK	UNK	E	8C	6/4/2009	No change to listed status
Manzanita, Del Mar ( <i>Arctostaphylos glandulosa ssp. crassifolia</i> )	8	10/7/1996	N/A	N/A	N/A	N/A	N/A	E	6C	8/13/2010	No change to listed status
Manzanita, lone ( <i>Arctostaphylos myrtifolia</i> )	8	5/26/1999	N/A	N/A	N/A	N/A	N/A	T	5C	8/6/2010	Reclassify to E*
Manzanita, Morro ( <i>Arctostaphylos morroensis</i> )	8	12/15/1994	9/28/1998	F	7	UNK	UNK	T	8	6/24/2013	No change to listed status
Manzanita, pallid ( <i>Arctostaphylos pallida</i> )	8	4/22/1998	3/3/2014	D	6	1,459,650	35	T	5	4/29/2011	Reclassify to E
Manzanita, Presidio ( <i>Arctostaphylos hookeri var. ravenii</i> )	8	11/29/1979	8/8/2003	F	18	UNK	UNK	E	12	6/20/2012	No change to listed status
Manzanita, San Francisco ( <i>Arctostaphylos franciscana</i> )	8	10/5/2012	N/A	N/A	N/A	N/A	N/A	E	2C	N/A	Species listed < 5 years
Manzanita, Santa Rosa Island ( <i>Arctostaphylos confertiflora</i> )	8	7/31/1997	9/26/2000	F	4	51,920,000**	40	E	2	7/30/2014	No change to listed status
Mapele ( <i>Cyrtandra cyaneoides</i> )	1	10/10/1996	9/20/1995	F	35	UNK	UNK	E	2	8/27/2010	No change to listed status
Mariposa lily, Tiburon ( <i>Calochortus tiburonensis</i> )	8	2/3/1995	9/30/1998	F	9	172,940,000**	30	T	17	9/8/2011	No change to listed status
Meadowfoam, Butte County ( <i>Limnanthes floccosa ssp. californica</i> )	8	6/8/1992	12/15/2005	F	14	1,087,862,000**	58	E	3C	7/10/2008	No change to listed status*
Meadowfoam, large-flowered woolly ( <i>Limnanthes floccosa ssp. grandiflora</i> )	1	11/7/2002	11/6/2012	F	61	6,971,000	20	E	3C	9/27/2011	No change to listed status
Meadowfoam, Sebastopol ( <i>Limnanthes vincularis</i> )	8	12/2/1991	N/A	N/A	N/A	N/A	N/A	E	2C	9/30/2008	No change to listed status*
Meadowrue, Cooley's ( <i>Thalictrum cooleyi</i> )	4	2/7/1989	4/21/1994	F	15	UNK	UNK	E	2	1/8/2009	No change to listed status
Mehamehame ( <i>Flueggea neowawraea</i> )	1	11/10/1994	7/10/1999	F	21	33,900,000**	11	E	5	8/9/2013	No change to listed status

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Mesa-mint, Otay ( <i>Pogogyne nudiuscula</i> )	8	8/3/1993	9/3/1998	F	10	UNK	UNK	E	2C	9/1/2010	No change to listed status
Mesa-mint, San Diego ( <i>Pogogyne abramsii</i> )	8	10/29/1978	9/3/1998	F	10	UNK	UNK	E	8C	9/1/2010	No change to listed status
Milkpea, Small's ( <i>Galactia smallii</i> )	4	7/18/1985	5/18/1999	F	17	UNK	UNK	E	5C	7/15/2010	No change to listed status
Milk-vetch, Applegate's ( <i>Astragalus applegatei</i> )	8	7/28/1993	4/10/1998	F	19	UNK	UNK	E	5	2/4/2009	No change to listed status
Milk-vetch, Ash meadows ( <i>Astragalus phoenix</i> )	8	5/20/1985	9/28/1990	F	5	7,345,000**	15	T	8	8/13/2009	No change to listed status*
Milk-vetch, Braunton's ( <i>Astragalus brauntonii</i> )	8	1/29/1997	9/30/1999	F	5	1,338,000**	UNK	E	2	2/4/2009	No change to listed status*
Milk-vetch, Clara Hunt's ( <i>Astragalus clarianus</i> )	8	10/22/1997	N/A	N/A	N/A	N/A	N/A	E	5C	8/17/2009	No change to listed status*
Milk-vetch, Coachella Valley ( <i>Astragalus lentiginosus</i> var. <i>coachellae</i> )	8	10/6/1998	N/A	N/A	N/A	N/A	N/A	E	6C	9/1/2009	No change to listed status
Milk-vetch, coastal dunes ( <i>Astragalus tener</i> var. <i>titi</i> )	8	8/12/1998	8/19/2004	F	2	UNK	UNK	E	6C	2/4/2009	No change to listed status*
Milk-vetch, Cushenbury ( <i>Astragalus albens</i> )	8	8/24/1994	9/30/1997	D	7	780,000**	15	E	8C	8/13/2009	No change to listed status*
Milk-vetch, Deseret ( <i>Astragalus desereticus</i> )	6	10/20/1999	N/A	N/A	N/A	N/A	N/A	T	14	8/16/2011	Delist due to error
Milk-vetch, Fish Slough ( <i>Astragalus lentiginosus</i> var. <i>piscinensis</i> )	8	10/6/1998	9/30/1998	F	16	UNK	17	T	9	2/4/2009	No change to listed status*
Milk-vetch, heliotrope ( <i>Astragalus montii</i> )	6	11/6/1987	9/27/1995	D	2	UNK	10	T	8	N/A	*
Milk-vetch, Holmgren ( <i>Astragalus holmgreniorum</i> )	6	9/28/2001	9/22/2006	F	26	18,839,000**	30	E	5C	4/21/2007	No change to listed status
Milk-vetch, Jesup's ( <i>Astragalus robbinsii</i> var. <i>jesupi</i> )	5	6/5/1987	11/21/1989	F	13	UNK	UNK	E	6	9/11/2009	No change to listed status
Milk-vetch, Lane Mountain ( <i>Astragalus jaegerianus</i> )	8	10/6/1998	N/A	N/A	N/A	N/A	N/A	E	5	7/10/2008	Reclassify to T*
Milk-vetch, Mancos ( <i>Astragalus humillimus</i> )	2	6/27/1985	12/20/1989	F	13	UNK	UNK	E	5C	8/22/2011	No change to listed status
milkvetch, Osterhout ( <i>Astragalus osterhoutii</i> )	6	7/13/1989	9/30/1992	F	10	UNK	UNK	E	8C	N/A	*
Milk-vetch, Peirson's ( <i>Astragalus magdalenae</i> var. <i>peirsonii</i> )	8	10/6/1998	N/A	N/A	N/A	N/A	N/A	T	9	9/30/2008	No change to listed status*
Milk-vetch, Sentry ( <i>Astragalus cremnophylax</i> var. <i>cremnophylax</i> )	2	12/5/1990	9/28/2006	F	22	UNK	UNK	E	6	4/22/2009	No change to listed status*
Milk-vetch, Shivwits ( <i>Astragalus ampullarioides</i> )	6	9/28/2001	9/22/2006	F	28	18,839,000**	30	E	5C	4/21/2007	No change to listed status
Milk-vetch, triple-ribbed ( <i>Astragalus tricarinatus</i> )	8	10/6/1998	N/A	N/A	N/A	N/A	N/A	E	14	8/14/2009	No change to listed status

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Milk-vetch, Ventura Marsh ( <i>Astragalus pycnostachyus</i> var. <i>lanosissimus</i> )	8	5/21/2001	N/A	N/A	N/A	N/A	N/A	E	6C	6/1/2010	No change to listed status
Milkweed, Mead's ( <i>Asclepias meadii</i> )	3	9/1/1988	9/16/2003	F	25	5,930,000	30	T	8C	11/28/2012	No change to listed status
Milkweed, Welsh's ( <i>Asclepias welshii</i> )	6	10/28/1987	9/30/1992	F	13	250,000	18	T	11C	N/A	*
Mint, Garrett's ( <i>Dicerandra christmanii</i> )	4	11/1/1985	5/18/1999	F	22	UNK	UNK	E	2C	9/3/2009	No change to listed status
Mint, Lakela's ( <i>Dicerandra immaculata</i> )	4	5/15/1985	5/18/1999	F	25	UNK	UNK	E	2C	9/25/2008	No change to listed status
Mint, longspurred ( <i>Dicerandra cornutissima</i> )	4	11/1/1985	7/1/1987	F	16	UNK	UNK	E	2C	9/10/2008	No change to listed status
Mint, scrub ( <i>Dicerandra frutescens</i> )	4	11/1/1985	5/18/1999	F	24	UNK	UNK	E	2	8/6/2009	No change to listed status
Monardella, willow ( <i>Monardella viminea</i> )	8	10/13/1998	N/A	N/A	N/A	N/A	N/A	E	8	8/3/2012	No change to listed status
monkey-flower, Michigan ( <i>Mimulus michiganensis</i> )	3	6/21/1990	9/17/1997	F	17	316,000	11	E	9C	5/18/2011	No change to listed status
Monkeyflower, Vandenberg ( <i>Mimulus fremontii</i> var. <i>vandenbergensis</i> )	8	9/25/2014	N/A	N/A	N/A	N/A	N/A	E	UNK	N/A	Species listed < 5 years
Monkshood, northern wild ( <i>Aconitum noveboracense</i> )	3	5/27/1978	9/23/1983	F	23	165,000	3	T	8	N/A	*
Morning-glory, Stebbins' ( <i>Calystegia stebbinsii</i> )	8	10/18/1996	8/30/2002	F	15	41,514,600**	100	E	5C	N/A	*
Mountain balm, Indian Knob ( <i>Eriodictyon altissimum</i> )	8	12/15/1994	9/28/1998	F	6	UNK	UNK	E	8	12/11/2013	No change to listed status
Mountain-mahogany, Catalina Island ( <i>Cercocarpus traskiae</i> )	8	8/8/1997	N/A	N/A	N/A	N/A	N/A	E	8	9/24/2007	No change to listed status*
Mustard, Carter's ( <i>Warea carteri</i> )	4	1/21/1987	5/18/1999	F	23	UNK	UNK	E	2	9/15/2008	No change to listed status
Mustard, Penland alpine fen ( <i>Eutrema penlandii</i> )	6	7/28/1993	N/A	N/A	N/A	N/A	N/A	T	11C	N/A	*
Mustard, slender-petaled ( <i>Thelypodium stenopetalum</i> )	8	8/31/1984	7/31/1998	F	16	UNK	UNK	E	5C	3/10/2011	No change to listed status
Na'ena'e ( <i>Dubautia herbstobatae</i> )	1	10/29/1991	8/10/1998	F	21	UNK	UNK	E	8	8/1/2013	No change to listed status
Na'ena'e ( <i>Dubautia imbricata imbricata</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	3	N/A	Species listed < 5 years
Na'ena'e ( <i>Dubautia latifolia</i> )	1	5/13/1992	9/20/1995	F	31	UNK	UNK	E	5	8/27/2010	No change to listed status
Na'ena'e ( <i>Dubautia pauciflora</i> )	1	9/20/1991	5/31/1994	F	30	UNK	UNK	E	5	4/7/2009	No change to listed status
Na'ena'e ( <i>Dubautia plantaginea magnifolia</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	3	N/A	Species listed < 5 years

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\*\*See Estimated Cost to Recovery Description

## Recovery Data as of September 30, 2014

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Active Plan Date	Plan Status <sup>1</sup>	Number of Recovery Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	Five-Year Review Status Recommendation
Na'ena'e ( <i>Dubautia plantaginea</i> ssp. <i>humilis</i> )	1	9/3/1999	7/10/1999	F	19	33,900,000**	11	E	8	6/2/2014	No change to listed status
Na'ena'e ( <i>Dubautia waialealae</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	2	N/A	Species listed < 5 years
Naenae ( <i>Dubautia kalalauensis</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Naenae ( <i>Dubautia kenwoodii</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Nani wai'ale'ale ( <i>Viola kauaiensis</i> var. <i>wahiawaensis</i> )	1	10/10/1996	9/20/1995	F	34	UNK	UNK	E	6	7/21/2009	No change to listed status
Nanu ( <i>Gardenia manii</i> )	1	10/10/1996	8/10/1998	F	23	UNK	UNK	E	5	8/5/2013	No change to listed status
Naupaka, dwarf ( <i>Scaevola coriacea</i> )	1	5/16/1986	7/29/1997	F	30	UNK	UNK	E	2	6/5/2014	No change to listed status
Navarretia, few-flowered ( <i>Navarretia leucocephala</i> ssp. <i>pauciflora</i> (=N. <i>pauciflora</i> ))	8	6/18/1997	12/15/2005	F	10	1,087,862,000**	58	E	3	7/10/2008	No change to listed status*
Navarretia, many-flowered ( <i>Navarretia leucocephala</i> ssp. <i>pliantha</i> )	8	6/18/1997	12/15/2005	F	10	1,087,862,000**	58	E	3	2/4/2009	No change to listed status*
Navarretia, spreading ( <i>Navarretia fossalis</i> )	8	10/13/1998	9/3/1998	F	10	UNK	UNK	T	8	8/10/2009	No change to listed status*
Nehe ( <i>Lipochaeta fauriei</i> )	1	2/25/1994	9/20/1995	F	38	UNK	UNK	E	5	8/27/2010	No change to listed status
Nehe ( <i>Lipochaeta kamolensis</i> )	1	5/15/1992	7/29/1997	F	30	UNK	UNK	E	2	3/27/2014	No change to listed status
Nehe ( <i>Lipochaeta lobata</i> var. <i>leptophylla</i> )	1	10/29/1991	8/10/1998	F	20	UNK	UNK	E	3	8/2/2011	No change to listed status
Nehe ( <i>Lipochaeta micrantha</i> )	1	2/25/1994	9/20/1995	F	8	UNK	UNK	E	8	8/28/2012	No change to listed status
Nehe ( <i>Lipochaeta waimeaensis</i> )	1	2/25/1994	9/20/1995	F	37	UNK	UNK	E	2	8/27/2010	No change to listed status
Nehe ( <i>Melanthera tenuifolia</i> )	1	10/29/1991	8/10/1998	F	20	UNK	UNK	E	8	8/2/2011	No change to listed status
Nioi ( <i>Eugenia koolauensis</i> )	1	3/28/1994	8/10/1998	F	20	UNK	UNK	E	5	8/19/2013	No change to listed status
Niterwort, Amargosa ( <i>Nitrophila mohavensis</i> )	8	5/20/1985	9/28/1990	F	5	7,345,000**	15	E	8	1/10/2008	No change to listed status*
No common name ( <i>Abutilon eremitopetalum</i> )	1	9/20/1991	9/29/1995	F	38	UNK	UNK	E	2	3/11/2014	No change to listed status
No common name ( <i>Abutilon sandwicense</i> )	1	10/29/1991	8/10/1998	F	22	UNK	UNK	E	8	8/2/2011	No change to listed status
No common name ( <i>Achyranthes mutica</i> )	1	10/10/1996	7/10/1999	F	17	33,900,000**	11	E	2	4/7/2009	No change to listed status*
No common name ( <i>Schiedea viscosa</i> )	1	10/10/1996	9/20/1995	F	34	UNK	UNK	E	2	7/21/2009	No change to listed status

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\*5-Year Review in progress as of September 30, 2014

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Recovery Data as of September 30, 2014

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Active Plan Date	Plan Status <sup>1</sup>	Number of Recovery Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	Five-Year Review Status Recommendation
No common name ( <i>Amaranthus brownii</i> )	1	8/21/1996	3/31/1998	F	19	3,991,000**	14	E	5	8/28/2012	No change to listed status
No common name ( <i>Aristida chaseae</i> )	4	4/27/1993	7/31/1995	F	15	UNK	UNK	E	8C	12/2/2010	No change to listed status
No common name ( <i>Auerodendron pauciflorum</i> )	4	3/2/1994	9/29/1997	F	3	65,000**	28	E	5	8/27/2011	No change to listed status
No common name ( <i>Bonamia menziesii</i> )	1	11/10/1994	7/10/1999	F	19	33,900,000**	11	E	2	8/19/2013	No change to listed status
No common name ( <i>Calyptanthus thomasi</i> )	4	2/18/1994	9/30/1997	F	4	86,000	28	E	11	9/22/2013	No change to listed status
No common name ( <i>Catesbaea melanocarpa</i> )	4	3/17/1999	8/18/2005	F	16	521,000	10	E	5	4/26/2011	No change to listed status
No common name ( <i>Chamaecrista glandulosa</i> var. <i>mirabilis</i> )	4	4/5/1990	5/12/1994	F	3	114,500	31	E	5	N/A	*
No common name ( <i>Euphorbia halemanui</i> )	1	5/13/1992	9/20/1995	F	37	UNK	UNK	E	5	8/27/2010	No change to listed status
No common name ( <i>Cordia bellonis</i> )	4	1/10/1997	10/1/1999	F	13	80,000	26	E	5	N/A	*
No common name ( <i>Cranichis ricartii</i> )	4	11/29/1991	7/15/1996	F	5	UNK	UNK	E	11	N/A	*
No common name ( <i>Cyanea</i> (=Rollandia) <i>crispa</i> )	1	3/28/1994	8/10/1998	F	21	UNK	UNK	E	5	8/19/2013	No change to listed status
No common name ( <i>Cyanea profuga</i> )	1	6/27/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
No common name ( <i>Cyanea purpurellifolia</i> )	1	10/18/2012	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
No common name ( <i>Cyperus pennatiflorus</i> )	1	11/10/1994	7/10/1999	F	18	33,900,000**	11	E	5	7/30/2013	No change to listed status
No common name ( <i>Cyrtandra gracilis</i> )	1	10/18/2012	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
No common name ( <i>Cyrtandra nanawaleensis</i> )	1	11/29/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
No common name ( <i>Cyrtandra wagneri</i> )	1	11/29/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
No common name ( <i>Cyrtandra waiolani</i> )	1	10/18/2012	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
No common name ( <i>Daphnopsis hellerana</i> )	4	6/23/1988	8/7/1992	F	11	17,800**	33	E	5	7/19/2013	No change to listed status
No common name ( <i>Delissea rhytidisperma</i> )	1	2/25/1994	9/20/1995	F	38	UNK	UNK	E	5	1/18/2008	No change to listed status
No common name ( <i>Delissea undulata</i> )	1	10/10/1996	5/11/1998	F	31	14,181,000**	UNK	E	5	8/28/2012	No change to listed status
No common name ( <i>Eugenia woodburyana</i> )	4	9/9/1994	10/6/1998	F	17	107,000**	27	E	8	N/A	*

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Recovery Data as of September 30, 2014

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Active Plan Date	Plan Status <sup>1</sup>	Number of Recovery Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	Five-Year Review Status Recommendation
No common name ( <i>Festuca molokaiensis</i> )	1	6/27/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
No common name ( <i>Geocarpon minimum</i> )	4	6/16/1987	7/26/1993	F	9	UNK	UNK	T	13	7/1/2009	No change to listed status
No common name ( <i>Gesneria pauciflora</i> )	4	3/7/1995	10/6/1998	F	11	80,000	27	T	11	4/24/2013	No change to listed status
No common name ( <i>Gouania hillebrandii</i> )	1	11/9/1984	7/16/1990	F	23	306,000	15	E	8	8/2/2011	No change to listed status
No common name ( <i>Gouania meyenii</i> )	1	10/29/1991	8/10/1998	F	20	UNK	UNK	E	5	8/27/2010	No change to listed status
No common name ( <i>Gouania vitifolia</i> )	1	6/27/1994	8/10/1998	F	20	UNK	UNK	E	5	8/28/2012	No change to listed status
No common name ( <i>Hesperomannia arborescens</i> )	1	3/28/1994	8/10/1998	F	21	UNK	UNK	E	5	8/7/2013	No change to listed status
No common name ( <i>Hesperomannia arbuscula</i> )	1	10/29/1991	8/10/1998	F	20	UNK	UNK	E	5	8/15/2013	No change to listed status
No common name ( <i>Hesperomannia lydgatei</i> )	1	9/20/1991	5/31/1994	F	39	UNK	UNK	E	5	8/27/2010	No change to listed status
No common name ( <i>Ilex sintenisii</i> )	4	4/22/1992	7/31/1995	F	9	UNK	UNK	E	11	N/A	*
No common name ( <i>Kadua degeneri</i> )	1	10/29/1991	8/10/1998	F	19	UNK	UNK	E	5	8/28/2012	No change to listed status
No common name ( <i>Kadua parvula</i> )	1	10/29/1991	8/10/1998	F	21	UNK	UNK	E	5	8/12/2013	No change to listed status
No common name ( <i>Keysseria (=Lagenifera) erici</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	2	N/A	Species listed < 5 years
No common name ( <i>Keysseria (=Lagenifera) helenae</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	2	N/A	Species listed < 5 years
No common name ( <i>Lepanthes eltoroensis</i> )	4	11/29/1991	7/15/1996	F	5	UNK	UNK	E	5	N/A	*
No common name ( <i>Leptocereus grantianus</i> )	4	2/26/1993	7/26/1995	F	15	UNK	UNK	E	5C	N/A	*
No common name ( <i>Lipochaeta venosa</i> )	1	11/29/1979	5/23/1994	F	9	UNK	UNK	E	5	8/28/2012	No change to listed status
No common name ( <i>Lobelia gaudichaudii ssp. koolauensis</i> )	1	10/10/1996	8/10/1998	F	22	UNK	UNK	E	6	8/19/2013	No change to listed status
No common name ( <i>Lobelia monostachya</i> )	1	10/10/1996	8/10/1998	F	20	UNK	UNK	E	5	8/5/2013	No change to listed status
No common name ( <i>Lobelia niihauensis</i> )	1	10/29/1991	8/10/1998	F	23	UNK	UNK	E	5	8/2/2011	No change to listed status
No common name ( <i>Lobelia oahuensis</i> )	1	3/28/1994	8/10/1998	F	21	UNK	UNK	E	5	8/2/2011	No change to listed status
No common name ( <i>Lyonia truncata var. proctorii</i> )	4	4/27/1993	7/31/1995	F	12	UNK	UNK	E	9	12/2/2010	No change to listed status

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## Recovery Data as of September 30, 2014

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Active Plan Date	Plan Status <sup>1</sup>	Number of Recovery Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	Five-Year Review Status Recommendation
No common name ( <i>Lysimachia filifolia</i> )	1	2/25/1994	9/20/1995	F	36	UNK	UNK	E	2	8/5/2013	No change to listed status
No common name ( <i>Lysimachia iniki</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
No common name ( <i>Lysimachia lydgatei</i> )	1	5/15/1992	7/29/1997	F	30	UNK	UNK	E	2	8/2/2011	No change to listed status
No common name ( <i>Lysimachia maxima</i> )	1	10/10/1996	9/26/1996	F	18	24,784,000**	UNK	E	5	3/31/2014	No change to listed status
No common name ( <i>Lysimachia pendens</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
No common name ( <i>Lysimachia scopulensis</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
No common name ( <i>Lysimachia venosa</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
No common name ( <i>Cyperus fauriei</i> )	1	3/4/1994	9/26/1996	F	31	9,395,000**	20	E	14	8/28/2012	No change to listed status
No common name ( <i>Mitracarpus maxwelliae</i> )	4	9/9/1994	10/6/1998	F	16	107,000**	27	E	11	4/27/2011	No change to listed status
No common name ( <i>Mitracarpus polycladus</i> )	4	9/9/1994	10/6/1998	F	16	107,000**	27	E	17	4/27/2011	Reclassify to T
No common name ( <i>Polyscias racemosa</i> )	1	2/25/1994	9/20/1995	F	29	UNK	UNK	E	5	8/27/2010	No change to listed status
No common name ( <i>Myrcia paganii</i> )	4	2/18/1994	9/29/1997	F	3	65,000**	28	E	8	N/A	*
No common name ( <i>Neraudia angulata</i> )	1	10/29/1991	8/10/1998	F	21	UNK	UNK	E	5	8/9/2013	No change to listed status
No common name ( <i>Neraudia ovata</i> )	1	10/10/1996	5/11/1998	F	31	14,181,000**	UNK	E	5	1/18/2008	No change to listed status*
No common name ( <i>Neraudia sericea</i> )	1	11/10/1994	7/10/1999	F	18	33,900,000**	11	E	5	8/28/2012	No change to listed status
No common name ( <i>Nesogenes rotensis</i> )	1	4/8/2004	5/3/2007	F	4	UNK	UNK	E	2	8/28/2012	No change to listed status*
No common name ( <i>Osmoxylon mariannense</i> )	1	4/8/2004	5/3/2007	F	4	UNK	UNK	E	2	8/28/2012	No change to listed status*
No common name ( <i>Phyllostegia bracteata</i> )	1	6/27/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
No common name ( <i>Phyllostegia floribunda</i> )	1	11/29/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
No common name ( <i>Phyllostegia glabra var. lanaiensis</i> )	1	9/20/1991	9/29/1995	F	34	UNK	UNK	E	6	8/28/2012	No change to listed status
No common name ( <i>Phyllostegia haliakalae</i> )	1	6/27/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
No common name ( <i>Phyllostegia hirsuta</i> )	1	10/10/1996	8/10/1998	F	20	UNK	UNK	E	5	8/7/2013	No change to listed status

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## Recovery Data as of September 30, 2014

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Active Plan Date	Plan Status <sup>1</sup>	Number of Recovery Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	Five-Year Review Status Recommendation
No common name ( <i>Phyllostegia hispida</i> )	1	3/17/2009	9/26/1996	F	23	24,784,000**	UNK	E	5	6/2/2014	No change to listed status
No common name ( <i>Phyllostegia kaalaensis</i> )	1	10/10/1996	8/10/1998	F	20	UNK	UNK	E	5	8/12/2013	No change to listed status
No common name ( <i>Phyllostegia knudsenii</i> )	1	10/10/1996	9/20/1995	F	34	UNK	UNK	E	5	6/2/2009	No change to listed status
No common name ( <i>Phyllostegia mannii</i> )	1	10/8/1992	9/26/1996	F	19	24,784,000**	UNK	E	5	8/2/2011	No change to listed status
No common name ( <i>Phyllostegia mollis</i> )	1	10/29/1991	8/10/1998	F	19	UNK	UNK	E	5	8/12/2013	No change to listed status
No common name ( <i>Phyllostegia parviflora</i> )	1	10/10/1996	7/10/1999	F	20	33,900,000**	11	E	5	1/18/2008	No change to listed status*
No common name ( <i>Phyllostegia pilosa</i> )	1	6/27/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
No common name ( <i>Phyllostegia renovans</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
No common name ( <i>Phyllostegia velutina</i> )	1	10/10/1996	5/11/1998	F	30	14,181,000**	UNK	E	2	8/28/2012	No change to listed status
No common name ( <i>Phyllostegia waimeae</i> )	1	2/25/1994	9/20/1995	F	37	UNK	UNK	E	5	1/18/2008	No change to listed status
No common name ( <i>Phyllostegia warshaueri</i> )	1	10/10/1996	5/11/1998	F	28	14,181,000**	UNK	E	5	8/28/2012	No change to listed status
No common name ( <i>Phyllostegia wawrana</i> )	1	10/10/1996	9/20/1995	F	34	UNK	UNK	E	5	7/21/2009	No change to listed status
No common name ( <i>Pittosporum halophilum</i> )	1	6/27/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
No common name ( <i>Pittosporum hawaiiense</i> )	1	11/29/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
No common name ( <i>Platanthera holochila</i> )	1	10/10/1996	7/10/1999	F	19	33,900,000**	11	E	5	3/31/2014	No change to listed status
No common name ( <i>Platydesma cornuta cornuta</i> )	1	10/18/2012	N/A	N/A	N/A	N/A	N/A	E	6	N/A	Species listed < 5 years
No common name ( <i>Platydesma cornuta decurrens</i> )	1	10/18/2012	N/A	N/A	N/A	N/A	N/A	E	3	N/A	Species listed < 5 years
No common name ( <i>Platydesma remyi</i> )	1	11/29/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
No common name ( <i>Poa siphonoglossa</i> )	1	5/13/1992	9/20/1995	F	37	UNK	UNK	E	5	8/27/2010	No change to listed status
No common name ( <i>Remya kauaiensis</i> )	1	1/14/1991	9/20/1995	F	28	UNK	UNK	E	5	8/27/2010	No change to listed status
No common name ( <i>Remya montgomeryi</i> )	1	1/14/1991	9/20/1995	F	38	UNK	UNK	E	5	8/27/2010	No change to listed status
No common name ( <i>Sanicula mariversa</i> )	1	10/29/1991	8/10/1998	F	21	UNK	UNK	E	5	8/22/2013	No change to listed status

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\*\*See Estimated Cost to Recovery Description



Recovery Data as of September 30, 2014

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No common name ( <i>Sanicula purpurea</i> )	1	10/10/1996	7/10/1999	F	18	33,900,000**	11	E	5	8/2/2011	No change to listed status
No common name ( <i>Schiedea attenuata</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
No common name ( <i>Schiedea diffusa ssp. macraei</i> )	1	11/29/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
No common name ( <i>Schiedea haleakalensis</i> )	1	5/15/1992	7/29/1997	F	30	UNK	UNK	E	2	9/20/2011	No change to listed status
No common name ( <i>Schiedea helleri</i> )	1	10/10/1996	9/20/1995	F	35	UNK	UNK	E	5	8/27/2010	No change to listed status
No common name ( <i>Schiedea hookeri</i> )	1	10/10/1996	7/10/1999	F	19	33,900,000**	11	E	8	9/20/2011	No change to listed status
No common name ( <i>Schiedea jacobii</i> )	1	6/27/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
No common name ( <i>Schiedea kaalae</i> )	1	10/29/1991	8/10/1998	F	21	UNK	UNK	E	2	8/13/2013	No change to listed status
No common name ( <i>Schiedea kauaiensis</i> )	1	10/10/1996	9/20/1995	F	36	UNK	UNK	E	5	1/18/2008	No change to listed status
No common name ( <i>Schiedea laui</i> )	1	6/27/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
No common name ( <i>Schiedea lydgatei</i> )	1	10/8/1992	9/26/1996	F	18	24,784,000**	UNK	E	8	9/20/2011	No change to listed status
No common name ( <i>Schiedea membranacea</i> )	1	10/10/1996	9/20/1995	F	35	UNK	UNK	E	5	8/27/2010	No change to listed status
No common name ( <i>Schiedea nuttallii</i> )	1	10/10/1996	7/10/1999	F	19	33,900,000**	11	E	5	8/13/2013	No change to listed status
No common name ( <i>Schiedea obovata</i> )	1	10/29/1991	8/10/1998	F	20	UNK	UNK	E	5	8/28/2012	No change to listed status
No common name ( <i>Schiedea salicaria</i> )	1	6/27/2013	N/A	N/A	N/A	N/A	N/A	E	2	N/A	Species listed < 5 years
No common name ( <i>Schiedea sarmentosa</i> )	1	10/10/1996	9/26/1996	F	17	24,784,000**	UNK	E	8	9/20/2011	No change to listed status
No common name ( <i>Schiedea spergulina var. leiopoda</i> )	1	2/25/1994	9/20/1995	F	37	UNK	UNK	E	6	8/27/2010	No change to listed status
No common name ( <i>Schiedea spergulina var. spergulina</i> )	1	2/25/1994	9/20/1995	F	27	UNK	UNK	T	6	8/27/2010	No change to listed status
No common name ( <i>Schiedea trinervis</i> )	1	10/29/1991	8/10/1998	F	20	UNK	UNK	E	5	8/13/2013	No change to listed status
No common name ( <i>Schiedea verticillata</i> )	1	8/21/1996	3/31/1998	F	19	3,991,000**	14	E	2	7/21/2009	No change to listed status
No common name ( <i>Schoepfia arenaria</i> )	4	4/19/1991	1/10/1992	F	9	UNK	20	T	5C	N/A	*
No common name ( <i>Silene alexandri</i> )	1	10/8/1992	9/26/1996	F	19	24,784,000**	UNK	E	5	3/31/2014	No change to listed status

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\*5-Year Review in progress as of September 30, 2014

\*\*See Estimated Cost to Recovery Description

Recovery Data as of September 30, 2014

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Active Plan Date	Plan Status <sup>1</sup>	Number of Recovery Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	Five-Year Review Status Recommendation
No common name ( <i>Silene hawaiiensis</i> )	1	3/4/1994	9/26/1996	F	33	9,395,000**	20	T	8	8/27/2010	No change to listed status*
No common name ( <i>Silene lanceolata</i> )	1	10/8/1992	9/26/1996	F	18	24,784,000**	UNK	E	2	8/27/2010	No change to listed status*
No common name ( <i>Silene perlmantii</i> )	1	10/29/1991	8/10/1998	F	19	UNK	UNK	E	5	8/15/2013	No change to listed status
No common name ( <i>Spermolepis hawaiiensis</i> )	1	11/10/1994	7/10/1999	F	19	33,900,000**	11	E	5	8/27/2010	No change to listed status*
No common name ( <i>Stenogyne angustifolia angustifolia</i> )	1	11/29/1979	9/20/1993	D	N/A	UNK	UNK	E	2	8/28/2012	No change to listed status
No common name ( <i>Stenogyne bifida</i> )	1	10/8/1992	9/26/1996	F	19	24,784,000**	UNK	E	2	6/5/2014	No change to listed status
No common name ( <i>Stenogyne campanulata</i> )	1	5/13/1992	9/20/1995	F	32	UNK	UNK	E	5	6/2/2009	No change to listed status
No common name ( <i>Stenogyne cranwelliae</i> )	1	11/29/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
No common name ( <i>Stenogyne kanehoana</i> )	1	5/13/1992	8/10/1998	F	20	UNK	UNK	E	5	8/15/2013	No change to listed status
No common name ( <i>Stenogyne kauaulaensis</i> )	1	6/27/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
No common name ( <i>Stenogyne kealiae</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	2	N/A	Species listed < 5 years
No common name ( <i>Ternstroemia subsessilis</i> )	4	4/22/1992	7/31/1995	F	9	UNK	UNK	E	5	N/A	*
No common name ( <i>Tetramolopium arenarium</i> )	1	3/4/1994	9/26/1996	F	31	9,395,000**	20	E	5	8/28/2012	No change to listed status
No common name ( <i>Tetramolopium filiforme</i> )	1	10/29/1991	8/10/1998	F	21	UNK	UNK	E	2	8/15/2013	No change to listed status
No common name ( <i>Tetramolopium lepidotum ssp. lepidotum</i> )	1	10/29/1991	8/10/1998	F	21	UNK	UNK	E	3	8/15/2013	No change to listed status
No common name ( <i>Tetramolopium remyi</i> )	1	9/20/1991	9/29/1995	F	38	UNK	UNK	E	2	9/20/2011	No change to listed status
No common name ( <i>Tetramolopium rockii</i> )	1	10/8/1992	9/26/1996	F	18	24,784,000**	18	T	14	9/20/2011	No change to listed status
No common name ( <i>Polyscias bisattenuata</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
No common name ( <i>Polyscias flynnii</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
No common name ( <i>Polyscias lydgatei</i> )	1	10/18/2012	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
No common name ( <i>Trematolobelia singularis</i> )	1	10/10/1996	8/10/1998	F	21	UNK	UNK	E	5	8/15/2013	No change to listed status
No common name ( <i>Vernonia proctorii</i> )	4	4/27/1993	7/31/1995	F	14	UNK	UNK	E	11	12/2/2010	No change to listed status

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\*\*See Estimated Cost to Recovery Description

Recovery Data as of September 30, 2014

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Active Plan Date	Plan Status <sup>1</sup>	Number of Recovery Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	Five-Year Review Status Recommendation
No common name ( <i>Vigna o-wahuensis</i> )	1	11/10/1994	7/10/1999	F	18	33,900,000**	11	E	5	9/20/2011	No change to listed status*
No common name ( <i>Viola helenae</i> )	1	9/20/1991	5/31/1994	F	29	UNK	UNK	E	2	1/18/2008	No change to listed status
No common name ( <i>Viola lanaiensis</i> )	1	9/20/1991	9/29/1995	F	36	UNK	UNK	E	2	8/28/2012	No change to listed status
No common name ( <i>Viola oahuensis</i> )	1	10/10/1996	8/10/1998	F	20	UNK	UNK	E	5	9/20/2011	No change to listed status
No common name ( <i>Wikstroemia villosa</i> )	1	6/27/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
No common name ( <i>Xylosma crenatum</i> )	1	5/13/1992	9/20/1995	F	37	UNK	UNK	E	5	6/2/2009	No change to listed status
Nohoanu ( <i>Geranium hanaense</i> )	1	6/27/2013	N/A	N/A	N/A	N/A	N/A	E	2	N/A	Species listed < 5 years
Nohoanu ( <i>Geranium hillebrandii</i> )	1	6/27/2013	N/A	N/A	N/A	N/A	N/A	E	2	N/A	Species listed < 5 years
Nohoanu ( <i>Geranium kauaiense</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	2	N/A	Species listed < 5 years
Nohoanu ( <i>Geranium multiflorum</i> )	1	5/15/1992	7/29/1997	F	18	UNK	UNK	E	8	8/29/2011	No change to listed status
nui, haha ( <i>Cyanea horrida</i> )	1	6/27/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Oak, Hinckley ( <i>Quercus hinckleyi</i> )	2	8/26/1988	9/30/1992	F	1	605,900	20	T	8	9/2/2009	No change to listed status
Oha ( <i>Delissea subcordata</i> )	1	10/10/1996	8/10/1998	F	23	UNK	UNK	E	5	8/1/2013	No change to listed status
Ohai ( <i>Sesbania tomentosa</i> )	1	11/10/1994	7/10/1999	F	21	33,900,000**	11	E	2	8/27/2010	No change to listed status*
Olulu ( <i>Brighamia insignis</i> )	1	2/25/1994	9/20/1995	F	30	UNK	UNK	E	5	1/18/2008	No change to listed status
Onion, Munz's ( <i>Allium munzii</i> )	8	10/13/1998	N/A	N/A	N/A	N/A	N/A	E	8C	9/5/2013	No change to listed status
Opuhe ( <i>Urera kaalae</i> )	1	10/29/1991	8/10/1998	F	20	UNK	UNK	E	5	9/20/2011	No change to listed status
Orchid, eastern prairie fringed ( <i>Platanthera leucophaea</i> )	3	9/28/1989	9/29/1999	F	13	5,315,000	20	T	8	8/10/2010	No change to listed status
Orchid, western prairie fringed ( <i>Platanthera praeclara</i> )	3	9/28/1989	9/30/1996	F	28	2,963,000	10	T	8C	4/27/2009	No change to listed status*
Orcutt grass, California ( <i>Orcuttia californica</i> )	8	8/3/1993	9/3/1998	F	11	UNK	UNK	E	11C	3/11/2011	No change to listed status
Orcutt grass, hairy ( <i>Orcuttia pilosa</i> )	8	3/26/1997	12/15/2005	F	10	1,087,862,000**	58	E	2C	6/15/2009	No change to listed status*
Orcutt grass, Sacramento ( <i>Orcuttia viscida</i> )	8	3/26/1997	12/15/2005	F	12	1,087,862,000**	58	E	5C	7/10/2008	No change to listed status*

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## Recovery Data as of September 30, 2014

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Active Plan Date	Plan Status <sup>1</sup>	Number of Recovery Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	Five-Year Review Status Recommendation
Orcutt grass, San Joaquin ( <i>Orcuttia inaequalis</i> )	8	3/26/1997	12/15/2005	F	11	1,087,862,000**	58	T	8	8/7/2013	No change to listed status
Orcutt grass, slender ( <i>Orcuttia tenuis</i> )	8	3/26/1997	12/15/2005	F	16	1,087,862,000**	58	T	8	11/24/2009	No change to listed status
Owl's-clover, fleshy ( <i>Castilleja campestris</i> ssp. <i>succulenta</i> )	8	3/26/1997	12/15/2005	F	12	1,087,862,000**	58	T	9	9/8/2011	No change to listed status
Oxytheca, cushenbury ( <i>Oxytheca parishii</i> var. <i>goodmaniana</i> )	8	8/24/1994	9/30/1997	D	7	780,000**	15	E	9C	8/13/2009	No change to listed status*
Pa'iniu ( <i>Astelia waialealae</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Paintbrush, ash-grey ( <i>Castilleja cinerea</i> )	8	9/14/1998	N/A	N/A	N/A	N/A	N/A	T	8	3/27/2013	No change to listed status
Paintbrush, golden ( <i>Castilleja levisecta</i> )	1	6/11/1997	08/23/2000, 05/20/2010	F	36	5,000, 16,590,000	18, 25	T	2	1/31/2008	No change to listed status
Paintbrush, soft-leaved ( <i>Castilleja mollis</i> )	8	7/31/1997	9/26/2000	F	5	51,920,000**	40	E	2	1/10/2008	No change to listed status*
Paintbrush, Tiburon ( <i>Castilleja affinis</i> ssp. <i>neglecta</i> )	8	2/3/1995	9/30/1998	F	14	172,940,000**	30	E	9C	6/20/2012	No change to listed status
Palo colorado ( <i>Ternstroemia luquillensis</i> )	4	4/22/1992	7/31/1995	F	9	UNK	UNK	E	11	N/A	*
Palo de jazmin ( <i>Styrax portoricensis</i> )	4	4/22/1992	7/31/1995	F	9	UNK	UNK	E	5	N/A	*
Palo de nigua ( <i>Cornutia obovata</i> )	4	4/7/1988	8/7/1992	F	10	17,800**	33	E	5	7/15/2014	No change to listed status
Palo de ramon ( <i>Banara vanderbiltii</i> )	4	1/14/1987	3/15/1991	F	12	UNK	UNK	E	5	1/10/2014	No change to listed status
Palo de rosa ( <i>Ottoschulzia rhodoxylon</i> )	4	4/10/1990	9/20/1994	F	12	102,500	16	E	8	N/A	*
Pamakani ( <i>Tetramolopium capillare</i> )	1	9/30/1994	7/29/1997	F	26	UNK	UNK	E	2	8/28/2012	No change to listed status
Pamakani ( <i>Viola chamissoniana</i> ssp. <i>chamissoniana</i> )	1	10/29/1991	8/10/1998	F	20	UNK	UNK	E	3	8/15/2013	No change to listed status
Panicgrass, Carter's ( <i>Panicum fauriei</i> var. <i>carteri</i> )	1	10/12/1983	5/23/1994	D	N/A	UNK	UNK	E	9	8/29/2011	No change to listed status
Papala ( <i>Charpentiera densiflora</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Pawpaw, beautiful ( <i>Deeringothamnus pulchellus</i> )	4	9/26/1986	5/18/1999	F	21	UNK	UNK	E	2	6/17/2009	No change to listed status
Pawpaw, four-petal ( <i>Asimina tetramera</i> )	4	9/26/1986	5/18/1999	F	26	UNK	UNK	E	11	4/6/2009	No change to listed status
Pawpaw, Rugel's ( <i>Deeringothamnus rugelii</i> )	4	9/26/1986	4/5/1988	F	10	UNK	UNK	E	2	9/25/2008	No change to listed status
Pelos del diablo ( <i>Aristida portoricensis</i> )	4	8/8/1990	5/16/1994	F	6	114,500	31	E	11C	12/2/2010	No change to listed status

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Recovery Data as of September 30, 2014

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Active Plan Date	Plan Status <sup>1</sup>	Number of Recovery Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	Five-Year Review Status Recommendation
Penny-cress, Kneeland Prairie ( <i>Thlaspi californicum</i> )	8	2/9/2000	8/14/2003	F	9	318,000	10	E	2C	10/19/2011	No change to listed status
Pennyroyal, Todsens's ( <i>Hedeoma todsenii</i> )	2	1/19/1981	1/31/2001	RF(2)	16	1,120,300	10	E	8	8/22/2011	No change to listed status
Penstemon, blowout ( <i>Penstemon haydenii</i> )	6	9/1/1987	7/17/1992	F	29	1,039,000	13	E	11C	6/1/2012	No change to listed status
Pentachaeta, Lyon's ( <i>Pentachaeta lyonii</i> )	8	1/29/1997	9/30/1999	F	5	1,338,000**	UNK	E	11C	9/30/2008	No change to listed status*
Pentachaeta, white-rayed ( <i>Pentachaeta bellidiflora</i> )	8	2/3/1995	9/30/1998	F	14	172,940,000**	30	E	8	8/10/2010	No change to listed status
Peperomia, Wheeler's ( <i>Peperomia wheeleri</i> )	4	1/14/1987	11/26/1990	F	18	UNK	35	E	8	3/12/2014	No change to listed status
Phacelia, clay ( <i>Phacelia argillacea</i> )	6	10/29/1978	4/12/1982	F	10	UNK	UNK	E	2	8/19/2013	No change to listed status
Phacelia, DeBeque ( <i>Phacelia submutica</i> )	6	8/26/2011	N/A	N/A	N/A	N/A	N/A	T	14C	N/A	Species listed < 5 years
Phacelia, island ( <i>Phacelia insularis</i> ssp. <i>insularis</i> )	8	7/31/1997	9/26/2000	F	5	51,920,000**	40	E	6	7/2/2008	No change to listed status*
Phacelia, North Park ( <i>Phacelia formosula</i> )	6	9/1/1982	3/21/1986	F	19	UNK	UNK	E	8	2/1/2012	No change to listed status
Phlox, Texas trailing ( <i>Phlox nivalis</i> ssp. <i>texensis</i> )	2	9/30/1991	3/28/1995	F	31	UNK	UNK	E	3	N/A	*
Phlox, Yreka ( <i>Phlox hirsuta</i> )	8	2/3/2000	7/27/2006	F	12	950,220	10	E	2C	9/24/2007	No change to listed status*
Pigeon wings ( <i>Clitoria fragrans</i> )	4	4/27/1993	5/18/1999	F	21	UNK	UNK	T	14	9/15/2008	No change to listed status
Pilo ( <i>Hedyotis mannii</i> )	1	10/8/1992	9/26/1996	F	19	24,784,000**	UNK	E	5	8/2/2011	No change to listed status
Pilo kea lau li'i ( <i>Platydesma rostrata</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Pink, swamp ( <i>Helonias bullata</i> )	5	9/9/1988	9/30/1991	F	17	25,500,000	11	T	7C	1/8/2009	No change to listed status
Pinkroot, gentian ( <i>Spigelia gentianoides</i> )	4	11/26/1990	3/26/2012	F	8	367,500	25	E	2	1/21/2009	No change to listed status
Piperia, Yadon's ( <i>Piperia yadonii</i> )	8	8/12/1998	8/19/2004	F	7	UNK	UNK	E	2C	8/17/2009	No change to listed status
Pitaya, Davis' green ( <i>Echinocereus viridiflorus</i> var. <i>davisii</i> )	2	12/8/1979	9/20/1984	F	N/A	UNK	UNK	E	3	2/10/2012	No change to listed status
Pitcher-plant, Alabama canebrake ( <i>Sarracenia rubra</i> ssp. <i>alabamensis</i> )	4	3/10/1989	10/8/1992	F	10	UNK	UNK	E	6	1/2/2012	No change to listed status
Pitcher-plant, green ( <i>Sarracenia oreophila</i> )	4	10/21/1979	12/12/1994	RF(2)	15	UNK	UNK	E	8	4/1/2014	No change to listed status
Pitcher-plant, mountain sweet ( <i>Sarracenia rubra</i> ssp. <i>jonesii</i> )	4	9/30/1988	8/13/1990	F	15	UNK	UNK	E	3C	5/21/2013	No change to listed status

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Plum, scrub ( <i>Prunus geniculata</i> )	4	1/21/1987	6/20/1996	RF(1)	22	UNK	UNK	E	2	5/19/2009	No change to listed status
Po'e ( <i>Portulaca sclerocarpa</i> )	1	3/4/1994	9/26/1996	F	33	9,395,000**	20	E	2	8/28/2012	No change to listed status
Pogonia, small whorled ( <i>Isotria medeoloides</i> )	5	9/9/1982	11/13/1992	RF(1)	22	471,500	10	T	14	9/30/2008	No change to listed status
Polygala, Lewton's ( <i>Polygala lewtonii</i> )	4	4/27/1993	5/18/1999	F	17	UNK	UNK	E	8	8/5/2010	No change to listed status
Polygala, tiny ( <i>Polygala smallii</i> )	4	7/18/1985	5/18/1999	F	15	UNK	UNK	E	5C	6/7/2010	No change to listed status
Polygonum, Scotts Valley ( <i>Polygonum hickmanii</i> )	8	4/8/2003	9/28/1998	F	15	UNK	UNK	E	5	11/12/2009	No change to listed status
Pondberry ( <i>Lindera melissifolia</i> )	4	7/31/1986	9/23/1993	F	24	886,000	10	E	8C	3/3/2014	No change to listed status
Pondweed, Little Aguja (=Creek) ( <i>Potamogeton clystocarpus</i> )	2	11/14/1991	6/20/1994	F	1	UNK	UNK	E	5	N/A	*
popcornflower, rough ( <i>Plagiobothrys hirtus</i> )	1	1/25/2000	9/25/2003	F	22	UNK	UNK	E	2C	8/11/2010	No change to listed status
Popolo ( <i>Cyanea solanacea</i> )	1	6/27/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Popolo ku mai ( <i>Solanum incompletum</i> )	1	11/10/1994	7/10/1999	F	19	33,900,000**	11	E	5	1/18/2008	No change to listed status*
Poppy, Sacramento prickly ( <i>Argemone pleiacantha ssp. pinnatisecta</i> )	2	8/24/1989	8/31/1994	F	29	UNK	UNK	E	5C	8/29/2013	No change to listed status
Poppy-mallow, Texas ( <i>Callirhoe scabriuscula</i> )	2	1/13/1981	3/29/1985	F	6	UNK	UNK	E	5C	N/A	*
Potato-bean, Price's ( <i>Apios priceana</i> )	4	1/5/1990	2/10/1993	F	16	491,850	17	T	8	N/A	*
Potentilla, Hickman's ( <i>Potentilla hickmanii</i> )	8	8/12/1998	8/19/2004	F	8	UNK	UNK	E	5C	2/4/2009	No change to listed status*
Prairie-clover, leafy ( <i>Dalea foliosa</i> )	4	5/1/1991	9/30/1996	F	14	1,905,000	10	E	5	N/A	*
Prickly-apple, aboriginal ( <i>Harrisia (=Cereus) aboriginum (=gracilis)</i> )	4	11/25/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Prickly-apple, fragrant ( <i>Cereus eriophorus var. fragrans</i> )	4	11/1/1985	5/18/1999	F	27	UNK	UNK	E	3	6/24/2010	No change to listed status
Prickly-ash, St. Thomas ( <i>Zanthoxylum thomasianum</i> )	4	12/20/1985	4/5/1988	F	9	UNK	UNK	E	5C	N/A	*
Primrose, Maguire ( <i>Primula maguirei</i> )	6	8/21/1985	9/27/1990	F	8	UNK	UNK	T	15	8/18/2011	No change to listed status
Pu'uka'a ( <i>Cyperus trachyanthos</i> )	1	10/10/1996	7/10/1999	F	18	33,900,000**	11	E	5	8/19/2013	No change to listed status
Pua `ala ( <i>Brighamia rockii</i> )	1	10/8/1992	9/26/1996	F	19	24,784,000**	UNK	E	2	3/11/2014	No change to listed status

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Pussypaws, Mariposa ( <i>Calyptidium pulchellum</i> )	8	9/14/1998	N/A	N/A	N/A	N/A	N/A	T	8	1/10/2008	No change to listed status*
Ragwort, San Francisco Peaks ( <i>Packera franciscana</i> )	2	11/22/1983	10/5/1987	F	7	UNK	UNK	T	8	10/22/2010	No change to listed status
Rattleweed, hairy ( <i>Baptisia arachnifera</i> )	4	5/27/1978	3/19/1984	F	16	UNK	UNK	E	8	12/1/2011	No change to listed status
Reedgrass, Hillebrand's ( <i>Calamagrostis hillebrandii</i> )	1	6/27/2013	N/A	N/A	N/A	N/A	N/A	E	2	N/A	Species listed < 5 years
Reed-mustard, Barneby ( <i>Schoenocrambe barnebyi</i> )	6	1/14/1992	9/14/1994	F	5	UNK	16	E	17	8/16/2011	No change to listed status
Reed-mustard, clay ( <i>Schoenocrambe argillacea</i> )	6	1/14/1992	9/14/1994	F	7	UNK	16	T	11C	7/11/2011	No change to listed status
Reed-mustard, shrubby ( <i>Schoenocrambe suffrutescens</i> )	6	10/6/1987	9/14/1994	F	7	UNK	16	E	5C	11/8/2010	No change to listed status
Remya, Maui ( <i>Remya mauiensis</i> )	1	1/14/1991	7/29/1997	F	30	UNK	UNK	E	5	6/5/2014	No change to listed status
Rhododendron, Chapman ( <i>Rhododendron chapmanii</i> )	4	5/23/1979	9/8/1983	F	14	UNK	UNK	E	8C	4/13/2010	No change to listed status
Ridge-cress, Barneby ( <i>Lepidium barnebyanum</i> )	6	9/28/1990	7/23/1993	F	4	UNK	UNK	E	11C	8/4/2011	No change to listed status
rock cress, Shale barren ( <i>Arabis serotina</i> )	5	7/13/1989	8/15/1991	F	5	227,000	11	E	11	N/A	*
Rock-cress, Braun's ( <i>Arabis perstellata</i> )	4	1/3/1995	7/22/1997	F	11	UNK	UNK	E	5	5/28/2010	No change to listed status
Rock-cress, Hoffmann's ( <i>Arabis hoffmannii</i> )	8	7/31/1997	9/26/2000	F	4	51,920,000**	40	E	5	11/16/2011	No change to listed status
Rock-cress, McDonald's ( <i>Arabis macdonaldiana</i> )	8	9/29/1978	2/28/1984	F	11	UNK	UNK	E	14C	5/13/2013	No change to listed status
Rockcress, Santa Cruz Island ( <i>Sibara filifolia</i> )	8	8/8/1997	N/A	N/A	N/A	N/A	N/A	E	11	4/25/2012	No change to listed status
Rose-mallow, Neches River ( <i>Hibiscus dasycalyx</i> )	2	10/11/2013	N/A	N/A	N/A	N/A	N/A	T	UNK	N/A	Species listed < 5 years
Rosemary, Apalachicola ( <i>Conradina glabra</i> )	4	7/12/1993	9/27/1994	F	8	UNK	UNK	E	8	7/7/2009	No change to listed status
Rosemary, Cumberland ( <i>Conradina verticillata</i> )	4	11/29/1991	7/12/1996	F	7	325,000	9	T	8	6/6/2011	No change to listed status
Rosemary, Etonia ( <i>Conradina etonia</i> )	4	7/12/1993	9/27/1994	F	8	UNK	UNK	E	8C	6/4/2007	Reclassify to T
Rosemary, short-leaved ( <i>Conradina brevifolia</i> )	4	7/12/1993	5/18/1999	F	17	UNK	UNK	E	8C	8/8/2008	No change to listed status
roseroot, Leedy's ( <i>Rhodiola integrifolia</i> ssp. <i>leedyi</i> )	3	4/22/1992	9/25/1998	F	5	596,000	10	T	9	N/A	*
Rush-pea, slender ( <i>Hoffmannseggia tenella</i> )	2	11/1/1985	9/13/1988	F	15	UNK	UNK	E	2	7/11/2008	No change to listed status*

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Recovery Data as of September 30, 2014

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Rush-rose, island ( <i>Helianthemum greenei</i> )	8	7/31/1997	9/26/2000	F	4	51,920,000**	40	T	14	6/4/2010	No change to listed status
Sandalwood, Lanai (=ʻiliihi) ( <i>Santalum freycinetianum</i> var. <i>lanaiense</i> )	1	1/24/1986	9/29/1995	F	41	UNK	UNK	E	3	9/20/2011	No change to listed status
Sandlace ( <i>Polygonella myriophylla</i> )	4	4/27/1993	5/18/1999	F	21	UNK	UNK	E	8	8/26/2010	No change to listed status
Sand-verbena, large-fruited ( <i>Abronia macrocarpa</i> )	2	9/28/1988	9/30/1992	F	3	831,900	23	E	8	11/19/2010	No change to listed status
Sandwort, Bear Valley ( <i>Arenaria ursina</i> )	8	9/14/1998	N/A	N/A	N/A	N/A	N/A	T	8	3/31/2008	No change to listed status*
Sandwort, Cumberland ( <i>Arenaria cumberlandensis</i> )	4	6/23/1988	6/20/1996	F	15	268,000	9	E	8	12/23/2013	Reclassify to T
Sandwort, Marsh ( <i>Arenaria paludicola</i> )	8	8/3/1993	9/28/1998	F	17	UNK	UNK	E	2	7/10/2008	No change to listed status*
Schiedea, Diamond Head ( <i>Schiedea adamantis</i> )	1	2/17/1984	2/2/1994	F	22	UNK	UNK	E	5	8/19/2013	No change to listed status
Seablite, California ( <i>Suaeda californica</i> )	8	12/15/1994	8/27/2013	F	1	1,242,501,640**	50	E	8	2/9/2010	No change to listed status
Sedge, golden ( <i>Carex lutea</i> )	4	1/23/2002	3/28/2014	F	14	231,500	11	E	8	12/18/2009	No change to listed status
Sedge, Navajo ( <i>Carex specuicola</i> )	2	5/8/1985	9/24/1987	F	4	UNK	UNK	T	8	8/26/2014	No change to listed status
Sedge, white ( <i>Carex albida</i> )	8	10/22/1997	N/A	N/A	N/A	N/A	N/A	E	5C	8/17/2009	No change to listed status*
Silversword, Mauna Loa (=Ka'u) ( <i>Argyroxiphium kauense</i> )	1	4/7/1993	11/21/1995	F	41	UNK	UNK	E	2	7/21/2009	No change to listed status*
Skullcap, Florida ( <i>Scutellaria floridana</i> )	4	5/8/1992	6/22/1994	F	6	UNK	UNK	T	2C	6/11/2009	No change to listed status
Skullcap, large-flowered ( <i>Scutellaria montana</i> )	4	6/20/1986	5/15/1996	F	8	110,000	16	T	8	N/A	*
Skyrocket, Pagosa ( <i>Ipomopsis polyantha</i> )	6	8/26/2011	N/A	N/A	N/A	N/A	N/A	E	8C	N/A	Species listed < 5 years
Snakeroot ( <i>Eryngium cuneifolium</i> )	4	1/21/1987	5/18/1999	F	21	UNK	UNK	E	2	7/7/2010	No change to listed status
Sneezeweed, Virginia ( <i>Helenium virginicum</i> )	5	11/3/1998	10/2/2000	D	N/A	928,000	20	T	2	N/A	*
Snowbells, Texas ( <i>Styrax texanus</i> )	2	10/12/1984	7/31/1987	F	12	UNK	UNK	E	3	9/12/2008	No change to listed status
Spineflower, Ben Lomond ( <i>Chorizanthe pungens</i> var. <i>hartwegiana</i> )	8	2/4/1994	9/28/1998	F	18	583,000**	UNK	E	9	1/20/2012	No change to listed status
Spineflower, Howell's ( <i>Chorizanthe howellii</i> )	8	6/22/1992	9/29/1998	F	11	901,000**	UNK	E	8	12/6/2011	No change to listed status
Spineflower, Monterey ( <i>Chorizanthe pungens</i> var. <i>pungens</i> )	8	2/4/1994	9/29/1998	F	10	901,000**	UNK	T	15	2/4/2009	No change to listed status*

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Spineflower, Orcutt's ( <i>Chorizanthe orcuttiana</i> )	8	10/7/1996	N/A	N/A	N/A	N/A	N/A	E	5	6/26/2014	No change to listed status
spineflower, Robust ( <i>Chorizanthe robusta</i> var. <i>robusta</i> )	8	2/4/1994	12/20/2004	F	12	376,000	20	E	9	2/9/2010	No change to listed status
spineflower, Scotts Valley ( <i>Chorizanthe robusta</i> var. <i>hartwegii</i> )	8	2/4/1994	9/28/1998	F	14	UNK	UNK	E	3	11/12/2009	No change to listed status
Spineflower, slender-horned ( <i>Dodecahema leptoceras</i> )	8	9/28/1987	N/A	N/A	N/A	N/A	N/A	E	7C	10/1/2010	No change to listed status
Spineflower, Sonoma ( <i>Chorizanthe valida</i> )	8	6/22/1992	9/29/1998	F	8	901,000**	UNK	E	5	7/28/2010	No change to listed status
Spiraea, Virginia ( <i>Spiraea virginiana</i> )	5	6/15/1990	11/13/1992	F	12	160,700	5	T	8	N/A	*
Spurge, deltoid ( <i>Chamaesyce deltoidea</i> ssp. <i>deltoides</i> )	4	7/18/1985	5/18/1999	F	14	UNK	UNK	E	6C	6/15/2010	No change to listed status
Spurge, Garber's ( <i>Chamaesyce garberi</i> )	4	7/18/1985	5/18/1999	F	7	UNK	UNK	T	8	9/6/2007	No change to listed status
Spurge, Hoover's ( <i>Chamaesyce hooveri</i> )	8	3/26/1997	12/15/2005	F	9	1,087,862,000**	58	T	8C	2/4/2009	No change to listed status*
Spurge, telephus ( <i>Euphorbia telephioides</i> )	4	5/8/1992	6/22/1994	F	5	UNK	UNK	T	2C	3/6/2008	No change to listed status
Stickseed, showy ( <i>Hackelia venusta</i> )	1	2/6/2002	12/12/2007	F	15	UNK	UNK	E	5	9/30/2011	No change to listed status
Stoncrop, Lake County ( <i>Parvisedum leiocarpum</i> )	8	6/18/1997	12/15/2005	F	9	1,087,862,000**	58	E	2C	6/15/2009	No change to listed status*
Sumac, Michaux's ( <i>Rhus michauxii</i> )	4	9/28/1989	4/30/1993	F	16	UNK	UNK	E	2	9/1/2014	No change to listed status
Sunburst, Hartweg's golden ( <i>Pseudobahia bahiifolia</i> )	8	2/6/1997	N/A	N/A	N/A	N/A	N/A	E	5C	1/10/2008	No change to listed status*
Sunburst, San Joaquin adobe ( <i>Pseudobahia peirsonii</i> )	8	2/6/1997	N/A	N/A	N/A	N/A	N/A	T	2	1/10/2008	No change to listed status*
Sunflower, Pecos (=puzzle, =paradox) ( <i>Helianthus paradoxus</i> )	2	10/20/1999	9/15/2005	F	22	924,000	14	T	8	N/A	*
Sunflower, San Mateo woolly ( <i>Eriophyllum latilobum</i> )	8	2/3/1995	9/30/1998	F	10	172,940,000**	30	E	11	9/8/2011	No change to listed status
Sunflower, Schweinitz's ( <i>Helianthus schweinitzii</i> )	4	5/7/1991	4/22/1994	F	11	UNK	UNK	E	2C	8/24/2010	No change to listed status
Sunflower, whorled ( <i>Helianthus verticillatus</i> )	4	8/1/2014	N/A	N/A	N/A	N/A	N/A	E	2	N/A	Species listed < 5 years
Sunray, Ash Meadows ( <i>Enceliopsis nudicaulis</i> var. <i>corrugata</i> )	8	5/20/1985	9/28/1990	F	5	7,345,000**	15	T	9	9/14/2011	No change to listed status
Sunshine, Sonoma ( <i>Blennosperma bakeri</i> )	8	12/2/1991	N/A	N/A	N/A	N/A	N/A	E	5C	9/30/2008	No change to listed status*
Taraxacum, California ( <i>Taraxacum californicum</i> )	8	9/14/1998	N/A	N/A	N/A	N/A	N/A	E	5	8/23/2013	No change to listed status

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Tarplant, Gaviota ( <i>Deinandra increscens</i> ssp. <i>villosa</i> )	8	3/20/2000	N/A	N/A	N/A	N/A	N/A	E	12	8/10/2011	No change to listed status
Tarplant, Otay ( <i>Deinandra</i> (= <i>Hemizonia</i> ) <i>conjugens</i> )	8	10/13/1998	12/7/2004	F	13	17,385,000	21	T	8C	6/30/2009	No change to listed status*
Tarplant, Santa Cruz ( <i>Holocarpha macradenia</i> )	8	3/20/2000	N/A	N/A	N/A	N/A	N/A	T	11	2/25/2014	No change to listed status
Thelypody, Howell's spectacular ( <i>Thelypodium howellii spectabilis</i> )	1	5/26/1999	6/3/2002	F	21	768,000	15	T	8	6/22/2010	No change to listed status
Thistle, Chorro Creek bog ( <i>Cirsium fontinale</i> var. <i>obispoense</i> )	8	12/15/1994	9/28/1998	F	6	UNK	UNK	E	9	6/18/2014	No change to listed status
Thistle, fountain ( <i>Cirsium fontinale</i> var. <i>fontinale</i> )	8	2/3/1995	9/30/1998	F	18	172,940,000**	30	E	6C	8/10/2010	No change to listed status
Thistle, La Graciosa ( <i>Cirsium loncholepis</i> )	8	3/20/2000	N/A	N/A	N/A	N/A	N/A	E	2	3/16/2011	No change to listed status
Thistle, Loch Lomond coyote ( <i>Eryngium constancei</i> )	8	8/1/1985	12/15/2005	F	9	1,087,862,000**	58	E	8C	8/17/2009	No change to listed status
Thistle, Pitcher's ( <i>Cirsium pitcheri</i> )	3	7/18/1988	9/20/2002	F	27	4,480,000	11	T	8C	2/5/2010	No change to listed status*
Thistle, Sacramento Mountains ( <i>Cirsium vinaceum</i> )	2	6/16/1987	9/27/1993	F	12	UNK	UNK	T	2C	8/20/2010	No change to listed status
Thistle, Suisun ( <i>Cirsium hydrophilum</i> var. <i>hydrophilum</i> )	8	11/20/1997	8/27/2013	F	1	1,242,501,640**	50	E	3C	2/11/2009	No change to listed status*
Thornmint, San Diego ( <i>Acanthomintha ilicifolia</i> )	8	10/13/1998	N/A	N/A	N/A	N/A	N/A	T	8	8/12/2009	No change to listed status*
Thornmint, San Mateo ( <i>Acanthomintha obovata</i> ssp. <i>duttonii</i> )	8	9/18/1985	9/30/1998	F	13	172,940,000**	30	E	6C	8/10/2010	No change to listed status
Thoroughwort, Cape Sable ( <i>Chromolaena frustrata</i> )	4	11/25/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Townsendia, Last Chance ( <i>Townsendia aprica</i> )	6	8/21/1985	8/20/1993	F	7	UNK	12	T	5C	8/22/2013	No change to listed status
Trillium, persistent ( <i>Trillium persistens</i> )	4	5/27/1978	3/27/1984	F	13	UNK	UNK	E	8	10/16/2011	No change to listed status
Trillium, relict ( <i>Trillium reliquum</i> )	4	4/4/1988	1/31/1991	F	12	UNK	UNK	E	8C	N/A	*
Tuctoria, Greene's ( <i>Tuctoria greenei</i> )	8	3/26/1997	12/15/2005	F	10	1,087,862,000**	58	E	2C	1/10/2008	No change to listed status*
Twinpod, Dudley Bluffs ( <i>Physaria obcordata</i> )	6	2/6/1990	8/13/1993	F	15	UNK	UNK	T	8C	6/20/2008	No change to listed status
Uhiuhi ( <i>Mezoneuron kavaiense</i> )	1	7/8/1986	5/6/1994	F	54	UNK	UNK	E	5	8/27/2010	No change to listed status*
Uvillo ( <i>Eugenia haematocarpa</i> )	4	11/25/1994	9/11/1998	F	10	UNK	UNK	E	8	6/29/2014	No change to listed status
Vervain, Red Hills ( <i>Verbena californica</i> )	8	9/14/1998	N/A	N/A	N/A	N/A	N/A	T	14	6/20/2012	No change to listed status

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Vetch, Hawaiian ( <i>Vicia menziesii</i> )	1	5/27/1978	5/18/1984	F	22	UNK	UNK	E	2C	8/28/2012	No change to listed status
Wahane ( <i>Pritchardia aylmer-robinsonii</i> )	1	8/7/1996	Exempt	Exempt	Exempt	Exempt	Exempt	E	5	8/29/2011	No change to listed status
Wallflower, Ben Lomond ( <i>Erysimum teretifolium</i> )	8	2/4/1994	9/28/1998	F	18	583,000**	UNK	E	5	7/10/2008	No change to listed status*
Wallflower, Contra Costa ( <i>Erysimum capitatum</i> var. <i>angustatum</i> )	8	5/27/1978	4/25/1984	RF(1)	20	UNK	UNK	E	3	7/10/2008	No change to listed status*
Wallflower, Menzies' ( <i>Erysimum menziesii</i> )	8	6/22/1992	9/29/1998	F	12	901,000**	UNK	E	2C	7/10/2008	No change to listed status*
Walnut (=Nogal), West Indian ( <i>Juglans jamaicensis</i> )	4	1/13/1997	12/9/1999	F	11	80,000	26	E	5	3/28/2013	No change to listed status
Warea, wide-leaf ( <i>Warea amplexifolia</i> )	4	4/29/1987	2/17/1993	F	14	UNK	UNK	E	2C	9/17/2007	No change to listed status
Watercress, Gambel's ( <i>Rorippa gambellii</i> )	8	8/3/1993	9/28/1998	F	17	UNK	UNK	E	5	11/7/2011	No change to listed status
Water-plantain, Kral's ( <i>Sagittaria secundifolia</i> )	4	4/13/1990	8/12/1991	F	6	147,000	24	T	8	5/29/2014	No change to listed status
Water-umbel, Huachuca ( <i>Lilaeopsis schaffneriana</i> var. <i>recurva</i> )	2	1/6/1997	N/A	N/A	N/A	N/A	N/A	E	3C	8/21/2014	No change to listed status
Water-willow, Cooley's ( <i>Justicia cooleyi</i> )	4	7/27/1989	6/20/1994	F	4	217,000	16	E	8	7/14/2010	No change to listed status
Whitlow-wort, papery ( <i>Paronychia chartacea</i> )	4	1/21/1987	5/18/1999	F	17	UNK	UNK	T	8	9/28/2008	No change to listed status
wild buckwheat, clay-loving ( <i>Eriogonum pelinophilum</i> )	6	7/13/1984	11/10/1988	F	10	UNK	UNK	E	8C	9/30/2009	No change to listed status
wild coffee, Oahu (=kopiko) ( <i>Psychotria hexandra</i> ssp. <i>oahuensis</i> )	1	10/18/2012	N/A	N/A	N/A	N/A	N/A	E	3	N/A	Species listed < 5 years
Wild-buckwheat, gypsum ( <i>Eriogonum gypsophilum</i> )	2	1/19/1981	3/30/1984	F	8	UNK	UNK	T	14	11/9/2007	Delist due to recovery
Wild-buckwheat, southern mountain ( <i>Eriogonum kennedyi</i> var. <i>austromontanum</i> )	8	9/14/1998	N/A	N/A	N/A	N/A	N/A	T	9	3/31/2008	No change to listed status*
Wild-rice, Texas ( <i>Zizania texana</i> )	2	5/27/1978	2/14/1996	RF(1)	27	UNK	UNK	E	2C	N/A	*
Wire-lettuce, Malheur ( <i>Stephanomeria malheurensis</i> )	1	11/10/1982	3/21/1991	F	30	UNK	UNK	E	2	9/20/2011	No change to listed status
Wireweed ( <i>Polygonella basiramia</i> )	4	1/21/1987	5/18/1999	F	22	UNK	UNK	E	2	9/7/2010	No change to listed status
Woodland-star, San Clemente Island ( <i>Lithophragma maximum</i> )	8	8/8/1997	1/26/1984	F	28	UNK	UNK	E	2	9/24/2007	No change to listed status*
Woolly-star, Santa Ana River ( <i>Eriastrum densifolium</i> ssp. <i>sanctorum</i> )	8	9/28/1987	N/A	N/A	N/A	N/A	N/A	E	6C	10/29/2010	No change to listed status
Woolly-threads, San Joaquin ( <i>Monolopia</i> (=Lembertia) <i>congdonii</i> )	8	7/19/1990	9/30/1998	F	18	40,104,000**	20	E	2	6/28/2010	No change to listed status

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\*5-Year Review in progress as of September 30, 2014

\*\*See Estimated Cost to Recovery Description

## Recovery Data as of September 30, 2014

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Active Plan Date	Plan Status <sup>1</sup>	Number of Recovery Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	Five-Year Review Status Recommendation
Yellowhead, desert ( <i>Yermo xanthocephalus</i> )	6	3/14/2002	N/A	N/A	N/A	N/A	N/A	T	13	10/24/2012	No change to listed status
Yerba santa, Lompoc ( <i>Eriodictyon capitatum</i> )	8	3/20/2000	N/A	N/A	N/A	N/A	N/A	E	11	2/8/2011	No change to listed status
Ziziphus, Florida ( <i>Ziziphus celata</i> )	4	7/27/1989	5/18/1999	F	29	UNK	UNK	E	5	8/27/2009	No change to listed status
<b>Insects</b>											
Beetle, [no common name] ( <i>Rhadine exilis</i> )	2	12/26/2000	9/12/2011	F	7	162,204**	20	E	2C	8/29/2011	No change to listed status
Beetle, [no common name] ( <i>Rhadine infernalis</i> )	2	12/26/2000	9/12/2011	F	7	162,204**	20	E	2C	8/29/2011	No change to listed status
Beetle, American burying ( <i>Nicrophorus americanus</i> )	2	7/13/1989	9/27/1991	F	20	UNK	UNK	E	5C	6/16/2008	No change to listed status
Beetle, Casey's June ( <i>Dinacoma caseyi</i> )	8	10/24/2011	N/A	N/A	N/A	N/A	N/A	E	11C	N/A	Species listed < 5 years
Beetle, Coffin Cave mold ( <i>Batrissodes texanus</i> )	2	9/16/1988	8/25/1994	F	18	UNK	UNK	E	2C	12/4/2009	No change to listed status
Beetle, Comal Springs dryopid ( <i>Stygoparnus comalensis</i> )	2	12/18/1997	2/14/1996	RF(1)	25	UNK	UNK	E	1C	N/A	*
Beetle, Comal Springs riffle ( <i>Heterelmis comalensis</i> )	2	12/18/1997	2/14/1996	RF(1)	27	UNK	UNK	E	2C	N/A	*
Beetle, delta green ground ( <i>Elaphrus viridis</i> )	8	8/8/1980	12/15/2005	F	8	1,087,862,000**	58	T	8	2/4/2009	No change to listed status*
Beetle, Helotes mold ( <i>Batrissodes venyivi</i> )	2	12/26/2000	9/12/2011	F	6	162,204**	20	E	2C	8/29/2011	No change to listed status
Beetle, Hungerford's crawling water ( <i>Brychius hungerfordi</i> )	3	3/7/1994	9/27/2006	F	10	742,000	24	E	5	7/5/2012	No change to listed status
Beetle, Kretschmarr Cave mold ( <i>Texamauropis reddelli</i> )	2	9/16/1988	8/25/1994	F	18	UNK	UNK	E	2C	12/4/2009	No change to listed status
Beetle, Mount Hermon June ( <i>Polyphylla barbata</i> )	8	1/24/1997	9/28/1998	F	20	583,000**	UNK	E	8C	8/17/2009	No change to listed status
Beetle, Tooth Cave ground ( <i>Rhadine persephone</i> )	2	9/16/1988	8/25/1994	F	18	UNK	UNK	E	8C	9/18/2008	No change to listed status
Beetle, valley elderberry longhorn ( <i>Desmocerus californicus dimorphus</i> )	8	8/8/1980	6/28/1984	F	21	UNK	UNK	T	2	9/26/2006	Delist due to recovery
Butterfly, Bartram's hairstreak ( <i>Strymon acis bartrami</i> )	4	9/11/2014	N/A	N/A	N/A	N/A	N/A	E	UNK	N/A	Species listed < 5 years
Butterfly, bay checkerspot ( <i>Euphydryas editha bayensis</i> )	8	9/18/1987	9/30/1998	F	15	172,940,000**	30	T	3C	8/17/2009	Reclassify to E*
Butterfly, Behren's silverspot ( <i>Speyeria zerene behrensii</i> )	8	12/5/1997	1/20/2004	D	13	10,191,000	31	E	3C	7/23/2012	No change to listed status
Butterfly, callippe silverspot ( <i>Speyeria callippe callippe</i> )	8	12/5/1997	N/A	N/A	N/A	N/A	N/A	E	9C	8/17/2009	No change to listed status*

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Butterfly, El Segundo blue ( <i>Euphilotes battoides allyni</i> )	8	6/8/1976	9/28/1998	F	12	UNK	UNK	E	9	3/31/2008	No change to listed status*
Butterfly, Fender's blue ( <i>Icaricia icarioides fenderi</i> )	1	1/25/2000	5/20/2010	F	21	16,590,000**	25	E	3C	N/A	*
Butterfly, Florida leafwing ( <i>Anaea troglodyta floralis</i> )	4	9/11/2014	N/A	N/A	N/A	N/A	N/A	E	UNK	N/A	Species listed < 5 years
Butterfly, Karner blue ( <i>Lycaeides melissa samuelis</i> )	3	12/14/1992	8/25/2003	F	72	4,608,000	20	E	9C	9/17/2012	No change to listed status
Butterfly, Lange's metalmark ( <i>Apodemia mormo langei</i> )	8	6/8/1976	4/25/1984	RF(1)	20	UNK	UNK	E	3	7/10/2008	No change to listed status*
Butterfly, lotis blue ( <i>Lycaeides argyrognomon lotis</i> )	8	6/8/1976	12/26/1985	F	10	UNK	UNK	E	6C	12/16/2011	No change to listed status
Butterfly, Miami Blue ( <i>Cyclargus (=Hemiargus) thomasi bethunebakeri</i> )	4	4/6/2012	N/A	N/A	N/A	N/A	N/A	E	6C	N/A	Species listed < 5 years
Butterfly, mission blue ( <i>Icaricia icarioides missionensis</i> )	8	6/8/1976	10/10/1984	F	20	UNK	UNK	E	9	2/16/2010	No change to listed status
Butterfly, Mitchell's satyr ( <i>Neonympha mitchellii mitchellii</i> )	3	6/25/1991	4/2/1998	F	28	1,115,000	10	E	3	N/A	*
Butterfly, Mount Charleston blue ( <i>Icaricia (Plebejus) shasta charlestonensis</i> )	8	10/21/2013	N/A	N/A	N/A	N/A	N/A	E	6	N/A	Species listed < 5 years
Butterfly, Myrtle's silverspot ( <i>Speyeria zerene myrtleae</i> )	8	6/22/1992	9/29/1998	F	10	901,000**	UNK	E	9	2/4/2009	No change to listed status*
Butterfly, Oregon silverspot ( <i>Speyeria zerene hippolyta</i> )	1	7/2/1980	8/22/2001	RF(1)	30	13,950,000	19	T	3C	1/3/2012	Reclassify to E
Butterfly, Palos Verdes blue ( <i>Glaucopsyche lygdamus palosverdesensis</i> )	8	7/2/1980	1/19/1984	F	24	UNK	UNK	E	6	1/9/2014	No change to listed status
Butterfly, Quino checkerspot ( <i>Euphydryas editha quino (=E. e. wrighti)</i> )	8	1/16/1997	9/17/2003	F	27	UNK	UNK	E	9C	8/18/2009	No change to listed status
Butterfly, Saint Francis' satyr ( <i>Neonympha mitchellii francisci</i> )	4	4/18/1994	4/23/1996	F	7	UNK	UNK	E	3	12/26/2013	No change to listed status
Butterfly, San Bruno elfin ( <i>Callophrys mossii bayensis</i> )	8	6/8/1976	10/10/1984	F	19	UNK	UNK	E	9	2/16/2010	No change to listed status
Butterfly, Schaus swallowtail ( <i>Heraclides aristodemus ponceanus</i> )	4	4/28/1976	5/18/1999	F	45	UNK	UNK	E	3C	9/23/2008	No change to listed status
Butterfly, Smith's blue ( <i>Euphilotes enoptes smithi</i> )	8	6/8/1976	11/9/1984	F	46	UNK	UNK	E	9C	9/26/2006	Reclassify to T*
Butterfly, Uncompahgre fritillary ( <i>Boloria acrocneuma</i> )	6	6/24/1991	3/17/1994	F	17	UNK	UNK	E	14	1/5/2010	Reclassify to T
Checkerspot, Taylor's (=whulge) ( <i>Euphydryas editha taylori</i> )	1	11/4/2013	N/A	N/A	N/A	N/A	N/A	E	6C	N/A	Species listed < 5 years
Damselfly, blackline Hawaiian ( <i>Megalagrion nigrohamatum nigrolineatum</i> )	1	10/18/2012	N/A	N/A	N/A	N/A	N/A	E	3	N/A	Species listed < 5 years
Damselfly, crimson Hawaiian ( <i>Megalagrion leptodemas</i> )	1	10/18/2012	N/A	N/A	N/A	N/A	N/A	E	2	N/A	Species listed < 5 years

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Damselfly, flying earwig Hawaiian ( <i>Megalagrion nesiotes</i> )	1	7/26/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Damselfly, oceanic Hawaiian ( <i>Megalagrion oceanicum</i> )	1	10/18/2012	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Damselfly, Pacific Hawaiian ( <i>Megalagrion pacificum</i> )	1	7/26/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Dragonfly, Hine's emerald ( <i>Somatochlora hineana</i> )	3	1/26/1995	9/27/2001	F	64	13,163,000	17	E	5C	5/9/2013	No change to listed status
Fly, Delhi Sands flower-loving ( <i>Rhaphiomidas terminatus abdominalis</i> )	8	9/23/1993	9/14/1997	F	11	UNK	UNK	E	6C	3/31/2008	No change to listed status*
Fly, Hawaiian picture-wing ( <i>Drosophila digressa</i> )	1	11/29/2013	N/A	N/A	N/A	N/A	N/A	E	11	N/A	Species listed < 5 years
Fly, Hawaiian picture-wing ( <i>Drosophila sharpi</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	11	N/A	Species listed < 5 years
Grasshopper, Zayante band-winged ( <i>Trimerotropis infantilis</i> )	8	1/24/1997	9/28/1998	F	19	583,000**	UNK	E	5	8/17/2009	No change to listed status
Moth, Blackburn's sphinx ( <i>Manduca blackburni</i> )	1	2/1/2000	9/28/2005	F	19	5,580,000	UNK	E	2C	7/31/2009	No change to listed status
Moth, Kern primrose sphinx ( <i>Euproserpinus euterpe</i> )	8	4/8/1980	2/8/1984	F	13	UNK	UNK	T	2	10/9/2007	No change to listed status*
Naucorid, Ash Meadows ( <i>Ambrysus amargosus</i> )	8	5/20/1985	9/28/1990	F	9	7,345,000**	15	T	8	N/A	*
Pomace fly, [unnamed] ( <i>Drosophila aglaia</i> )	1	5/9/2006	N/A	N/A	N/A	N/A	N/A	E	5	8/28/2012	No change to listed status
Pomace fly, [unnamed] ( <i>Drosophila differens</i> )	1	5/9/2006	N/A	N/A	N/A	N/A	N/A	E	5	8/28/2012	No change to listed status
Pomace fly, [unnamed] ( <i>Drosophila hemipeza</i> )	1	5/9/2006	N/A	N/A	N/A	N/A	N/A	E	5	8/28/2012	No change to listed status
Pomace fly, [unnamed] ( <i>Drosophila heteroneura</i> )	1	5/9/2006	N/A	N/A	N/A	N/A	N/A	E	5	8/28/2012	No change to listed status
Pomace fly, [unnamed] ( <i>Drosophila montgomeryi</i> )	1	5/9/2006	N/A	N/A	N/A	N/A	N/A	E	5	8/28/2012	No change to listed status
Pomace fly, [unnamed] ( <i>Drosophila mulli</i> )	1	5/9/2006	N/A	N/A	N/A	N/A	N/A	T	5	8/28/2012	No change to listed status
Pomace fly, [unnamed] ( <i>Drosophila musaphilia</i> )	1	5/9/2006	N/A	N/A	N/A	N/A	N/A	E	5	8/28/2012	No change to listed status
Pomace fly, [unnamed] ( <i>Drosophila neoclavisetae</i> )	1	5/9/2006	N/A	N/A	N/A	N/A	N/A	E	5	8/28/2012	No change to listed status
Pomace fly, [unnamed] ( <i>Drosophila obatai</i> )	1	5/9/2006	N/A	N/A	N/A	N/A	N/A	E	5	8/28/2012	No change to listed status
Pomace fly, [unnamed] ( <i>Drosophila ochrobasis</i> )	1	5/9/2006	N/A	N/A	N/A	N/A	N/A	E	5	8/28/2012	No change to listed status
Pomace fly, [unnamed] ( <i>Drosophila substenoptera</i> )	1	5/9/2006	N/A	N/A	N/A	N/A	N/A	E	5	8/28/2012	No change to listed status

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Pomace fly, [unnamed] ( <i>Drosophila tarphytrichia</i> )	1	5/9/2006	N/A	N/A	N/A	N/A	N/A	E	5	8/28/2012	No change to listed status
Skipper, Carson wandering ( <i>Pseudocopaeodes eunus obscurus</i> )	8	11/29/2001	6/14/2007	F	11	5,551,500	20	E	3C	8/27/2012	No change to listed status
Skipper, Laguna Mountains ( <i>Pyrgus ruralis lagunae</i> )	8	1/16/1997	N/A	N/A	N/A	N/A	N/A	E	3C	9/24/2007	No change to listed status*
Skipper, Pawnee montane ( <i>Hesperia leonardus montana</i> )	6	9/25/1987	9/21/1998	F	11	330,000	12	T	9C	1/8/2012	No change to listed status
Tiger beetle, Northeastern beach ( <i>Cicindela dorsalis dorsalis</i> )	5	8/7/1990	9/29/1994	F	13	476,000	11	T	6	3/19/2009	Reclassify to E
Tiger beetle, Ohlone ( <i>Cicindela ohlone</i> )	8	10/3/2001	9/28/1998	F	17	UNK	UNK	E	2	11/13/2009	No change to listed status
Tiger beetle, Puritan ( <i>Cicindela puritana</i> )	5	8/7/1990	9/29/1993	F	22	632,500	15	T	5	6/13/2007	Reclassify to E*
Tiger beetle, Salt Creek ( <i>Cicindela nevadica lincolniana</i> )	6	10/6/2005	N/A	N/A	N/A	N/A	N/A	E	3C	N/A	*
<b>Lichens</b>											
Cladonia, Florida perforate ( <i>Cladonia perforata</i> )	4	4/27/1993	5/18/1999	F	17	UNK	UNK	E	5C	9/17/2007	No change to listed status
Lichen, rock gnome ( <i>Gymnoderma lineare</i> )	4	1/18/1995	9/30/1997	F	5	UNK	UNK	E	5	3/28/2013	No change to listed status
<b>Mammals</b>											
bat, Florida bonneted ( <i>Eumops floridanus</i> )	4	11/1/2013	N/A	N/A	N/A	N/A	N/A	E	UNK	N/A	Species listed < 5 years
Bat, gray ( <i>Myotis grisescens</i> )	3	4/28/1976	7/8/1982	F	29	103,000	10	E	8	9/30/2009	No change to listed status*
Bat, Hawaiian hoary ( <i>Lasiurus cinereus semotus</i> )	1	10/13/1970	5/11/1998	F	9	8,701,000	15	E	9	9/30/2011	No change to listed status
Bat, Indiana ( <i>Myotis sodalis</i> )	3	3/11/1967	4/16/2007	RD(1)	41	428,589,000	20	E	5	9/30/2009	No change to listed status*
Bat, lesser long-nosed ( <i>Leptonycteris curasoae yerbabuena</i> )	2	9/30/1988	3/4/1997	F	21	UNK	UNK	E	8	9/11/2007	Reclassify to T
Bat, little Mariana fruit ( <i>Pteropus tokudae</i> )	1	8/27/1984	11/2/1990	F	48	UNK	UNK	E	5	7/31/2009	Delist due to extinction*
Bat, Mariana fruit (=Mariana flying fox) ( <i>Pteropus mariannus mariannus</i> )	1	8/27/1984	3/30/2010	RD(1)	7	13,209,000	20	T	9	8/12/2014	No change to listed status
Bat, Mexican long-nosed ( <i>Leptonycteris nivalis</i> )	2	9/30/1988	9/8/1994	F	6	UNK	UNK	E	5	N/A	*
Bat, Ozark big-eared ( <i>Corynorhinus (=Plecotus) townsendii ingens</i> )	2	11/30/1979	3/28/1995	RF(1)	23	3,191,000	UNK	E	3	5/22/2008	No change to listed status
Bat, Virginia big-eared ( <i>Corynorhinus (=Plecotus) townsendii virginianus</i> )	5	12/31/1979	5/8/1984	F	34	UNK	UNK	E	3C	8/27/2008	No change to listed status*

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Recovery Data as of September 30, 2014

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Active Plan Date	Plan Status <sup>1</sup>	Number of Recovery Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	Five-Year Review Status Recommendation
Bear, grizzly (lower 48 States)( <i>Ursus arctos horribilis</i> )	6	7/28/1975	9/10/1993	RF(1)	261	26,000,000	40	T	9C	9/6/2011	No change to listed status
Bear, Louisiana black ( <i>Ursus americanus luteolus</i> )	4	1/7/1992	9/27/1995	F	18	717,000	30	T	9	2/18/2014	No change to listed status
Bear, polar ( <i>Ursus maritimus</i> )	7	5/15/2008	N/A	N/A	N/A	N/A	N/A	T	5C	N/A	Not yet initiated
Bison, wood ( <i>Bison bison athabascae</i> )	7	6/2/1970	N/A	N/A	N/A	N/A	N/A	T	15	2/8/2011	Reclassify to T
Caribou, woodland (Southern Selkirk Mt. pop)( <i>Rangifer tarandus caribou</i> )	1	1/14/1983	3/4/1994	RF(1)	47	UNK	UNK	E	3C	12/5/2008	No change to listed status
Deer, Columbian white-tailed ( <i>Odocoileus virginianus leucurus</i> )	1	3/11/1967	6/14/1983	RF(1)	14	UNK	UNK	E	15	11/5/2013	Reclassify to T
Deer, key ( <i>Odocoileus virginianus clavium</i> )	4	3/11/1967	5/18/1999	F	66	UNK	UNK	E	6C	8/23/2010	No change to listed status
Ferret, black-footed ( <i>Mustela nigripes</i> )	6	3/11/1967	11/8/2013	RF(2)	239	151,140,000	30	E	2C	8/13/2014	No change to listed status
Fox, San Joaquin kit ( <i>Vulpes macrotis mutica</i> )	8	3/11/1967	9/30/1998	F	55	40,104,000**	20	E	3C	2/16/2010	No change to listed status
Fox, San Miguel Island ( <i>Urocyon littoralis littoralis</i> )	8	3/5/2004	9/14/2012	D	N/A	UNK	UNK	E	3	N/A	*
Fox, Santa Catalina Island ( <i>Urocyon littoralis catalinae</i> )	8	3/5/2004	9/14/2012	D	N/A	UNK	UNK	E	9	N/A	*
Fox, Santa Cruz Island ( <i>Urocyon littoralis santacruzae</i> )	8	3/5/2004	9/14/2012	D	N/A	UNK	UNK	E	3	N/A	*
Fox, Santa Rosa Island ( <i>Urocyon littoralis santarosae</i> )	8	3/5/2004	9/14/2012	D	N/A	UNK	UNK	E	3	N/A	*
Jaguar ( <i>Panthera onca</i> )	2	3/28/1972	N/A	N/A	N/A	N/A	N/A	E	5C	N/A	*
Jaguarundi, Gulf Coast ( <i>Herpailurus (=Felis) yagouaroundi cacomitli</i> )	2	6/14/1976	12/20/2013	F	36	37,425,000	37	E	6	N/A	*
Jaguarundi, Sinaloa ( <i>Herpailurus (=Felis) yagouaroundi tolteca</i> )	2	6/14/1976	Exempt	Exempt	Exempt	Exempt	Exempt	E	6	N/A	Not yet initiated
Kangaroo rat, Fresno ( <i>Dipodomys nitratoides exilis</i> )	8	1/30/1985	9/30/1998	F	14	40,104,000**	20	E	6C	2/16/2010	No change to listed status
Kangaroo rat, giant ( <i>Dipodomys ingens</i> )	8	1/5/1987	9/30/1998	F	20	40,104,000**	20	E	2C	2/16/2010	No change to listed status
Kangaroo rat, Morro Bay ( <i>Dipodomys heermanni morroensis</i> )	8	10/13/1970	1/25/2000	RD(1)	17	UNK	UNK	E	6C	5/26/2011	No change to listed status
Kangaroo rat, San Bernardino Merriam's ( <i>Dipodomys merriami parvus</i> )	8	1/27/1998	N/A	N/A	N/A	N/A	N/A	E	6C	8/14/2009	No change to listed status
Kangaroo rat, Stephens' ( <i>Dipodomys stephensi (incl. D. cascus)</i> )	8	9/30/1988	6/23/1997	D	15	UNK	UNK	E	11	7/22/2011	Reclassify to T
Kangaroo rat, Tipton ( <i>Dipodomys nitratoides nitratoides</i> )	8	7/8/1988	9/30/1998	F	16	40,104,000**	20	E	3C	2/16/2010	No change to listed status

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Lynx, Canada (Contiguous U.S.A.) ( <i>Lynx canadensis</i> )	6	3/24/2000	N/A	N/A	N/A	N/A	N/A	T	15	N/A	*
Manatee, West Indian ( <i>Trichechus manatus</i> )	4	3/11/1967	12/24/1986, 10/30/2001	F, RF(3)	125	10,000,000	14	E	5C	4/6/2007	Reclassify to T
Margay ( <i>Leopardus (=felis) wiedii</i> )	2	3/30/1972	N/A	N/A	N/A	N/A	N/A	E	1	N/A	Not yet initiated
Mountain beaver, Point Arena ( <i>Aplodontia rufa nigra</i> )	8	12/12/1991	6/2/1998	F	22	1,047,000	27	E	9C	4/1/2009	No change to listed status*
Mouse, Alabama beach ( <i>Peromyscus polionotus ammobates</i> )	4	6/6/1985	8/12/1987	F	34	UNK	UNK	E	3C	11/23/2009	No change to listed status
Mouse, Anastasia Island beach ( <i>Peromyscus polionotus phasma</i> )	4	5/12/1989	9/23/1993	F	10	133,000**	9	E	6C	9/6/2007	No change to listed status*
Mouse, Choctawhatchee beach ( <i>Peromyscus polionotus allophrys</i> )	4	6/6/1985	8/12/1987	F	37	UNK	UNK	E	3C	9/4/2007	No change to listed status
Mouse, Key Largo cotton ( <i>Peromyscus gossypinus allapaticola</i> )	4	9/21/1983	5/18/1999	F	18	UNK	UNK	E	3C	3/26/2009	No change to listed status
Mouse, New Mexico meadow jumping ( <i>Zapus hudsonius luteus</i> )	2	7/10/2014	N/A	N/A	N/A	N/A	N/A	E	3C	N/A	species listed < 5 years
Mouse, Pacific pocket ( <i>Perognathus longimembris pacificus</i> )	8	2/3/1994	9/28/1998	F	32	UNK	UNK	E	6C	4/1/2010	No change to listed status
Mouse, Perdido Key beach ( <i>Peromyscus polionotus trissyllepsis</i> )	4	6/6/1985	8/12/1987	F	44	UNK	UNK	E	3C	9/4/2007	No change to listed status
Mouse, Preble's meadow jumping ( <i>Zapus hudsonius preblei</i> )	6	5/13/1998	N/A	N/A	N/A	N/A	N/A	T	9C	5/18/2014	No change to listed status
Mouse, salt marsh harvest ( <i>Reithrodontomys raviventris</i> )	8	10/13/1970	8/27/2013	F	3	1,242,501,640**	50	E	2C	2/16/2010	No change to listed status
Mouse, southeastern beach ( <i>Peromyscus polionotus niveiventris</i> )	4	5/12/1989	9/23/1993	F	8	133,000**	9	T	9C	4/7/2008	No change to listed status*
Mouse, St. Andrew beach ( <i>Peromyscus polionotus peninsularis</i> )	4	12/18/1998	10/25/2010	F	1	2,093,500	20	E	3C	4/6/2009	No change to listed status
Ocelot ( <i>Leopardus (=Felis) pardalis</i> )	2	3/28/1972	8/26/2010	RD(1)	75	60,870,500	30	E	5C	N/A	*
Otter, Northern Sea (southwest Alaska DPS)( <i>Enhydra lutris kenyoni</i> )	7	8/9/2005	8/13/2013	F	N/A	15,000,000	UNK	T	6	8/21/2013	No change to listed status
Otter, southern sea ( <i>Enhydra lutris nereis</i> )	8	1/14/1977	4/3/2003	RF(1)	21	10,219,700	20	T	9C	N/A	*
Panther, Florida ( <i>Puma (=Felis) concolor coryi</i> )	4	3/11/1967	11/1/2008	RF(3)	89	17,750,000	75	E	6C	4/28/2009	No change to listed status
Pocket gopher, Olympia ( <i>Thomomys mazama pugetensis</i> )	1	5/9/2014	N/A	N/A	N/A	N/A	N/A	T	6C	N/A	Species listed < 5 years
Pocket gopher, Roy Prairie ( <i>Thomomys mazama glacialis</i> )	1	5/9/2014	N/A	N/A	N/A	N/A	N/A	T	6C	N/A	Species listed < 5 years
Pocket gopher, Tenino ( <i>Thomomys mazama tumuli</i> )	1	5/9/2014	N/A	N/A	N/A	N/A	N/A	T	6C	N/A	Species listed < 5 years

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Pocket gopher, Yelm ( <i>Thomomys mazama yelmensis</i> )	1	5/9/2014	N/A	N/A	N/A	N/A	N/A	T	6C	N/A	Species listed < 5 years
Prairie dog, Utah ( <i>Cynomys parvidens</i> )	6	6/4/1973	3/1/2012	RF(1)	17	106,230,000	30	T	8C	4/20/2012	No change to listed status
Pronghorn, Sonoran ( <i>Antilocapra americana sonoriensis</i> )	2	3/11/1967	12/03/1998, 11/26/2003	RF(1)	21	UNK	UNK	E	3	N/A	*
Puma (=cougar), eastern ( <i>Puma (=Felis) concolor cougar</i> )	5	6/4/1973	8/2/1982	F	N/A	UNK	UNK	E	18	3/2/2011	Delist due to extinction
Rabbit, Columbia Basin Pygmy ( <i>Brachylagus idahoensis</i> )	1	11/30/2001	1/23/2013	F	95	UNK	UNK	E	6	9/29/2010	No change to listed status
Rabbit, Lower Keys marsh ( <i>Sylvilagus palustris hefneri</i> )	4	6/21/1990	5/18/1999	F	39	UNK	UNK	E	6C	9/21/2007	No change to listed status
Rabbit, riparian brush ( <i>Sylvilagus bachmani riparius</i> )	8	2/23/2000	9/30/1998	F	13	40,104,000**	20	E	6C	N/A	*
Rice rat (Lower FL Keys)( <i>Oryzomys palustris natator</i> )	4	4/30/1991	5/18/1999	F	12	UNK	UNK	E	3C	8/18/2008	No change to listed status
Sheep, Peninsular bighorn (Peninsular CA pop.) ( <i>Ovis canadensis nelsoni</i> )	8	3/18/1998	10/25/2000	F	39	75,253,000	25	E	9C	4/21/2011	No change to listed status
Sheep, Sierra Nevada bighorn (U.S.A. (CA)--Sierra Nevada) ( <i>Ovis canadensis sierrae</i> )	8	4/20/1999	2/13/2008	F	24	21,730,000	20	E	3C	9/30/2008	No change to listed status*
Shrew, Buena Vista Lake ornate ( <i>Sorex ornatus relictus</i> )	8	3/6/2002	9/30/1998	F	12	40,104,000**	20	E	3C	9/8/2011	No change to listed status
Squirrel, Carolina northern flying ( <i>Glaucomys sabrinus coloratus</i> )	4	7/1/1985	9/24/1990	F	20	1,360,000	UNK	E	6C	6/28/2013	No change to listed status
Squirrel, Delmarva Peninsula fox ( <i>Sciurus niger cinereus</i> )	5	3/11/1967	6/8/1993	RF(2)	28	784,100	17	E	15C	9/4/2012	Delist due to recovery
Squirrel, Mount Graham red ( <i>Tamiasciurus hudsonicus grahamensis</i> )	2	6/3/1987	5/27/2011	RD(1)	11	2,919,000	UNK	E	6C	1/15/2008	No change to listed status
Squirrel, northern Idaho ground ( <i>Spermophilus brunneus brunneus</i> )	1	4/5/2000	9/16/2003	F	41	2,440,000	8	T	3C	9/13/2011	No change to listed status
Vole, Amargosa ( <i>Microtus californicus scirpensis</i> )	8	11/15/1984	9/15/1997	F	23	UNK	UNK	E	6	2/4/2009	No change to listed status*
Vole, Florida salt marsh ( <i>Microtus pennsylvanicus dukecampbelli</i> )	4	1/14/1991	9/30/1997	F	5	UNK	UNK	E	6	6/5/2008	No change to listed status
Vole, Hualapai Mexican ( <i>Microtus mexicanus hualpaiensis</i> )	2	10/1/1987	8/19/1991	F	13	UNK	UNK	E	4	N/A	Not yet initiated
Wolf, gray (all or portions of 42 states, Mexico) ( <i>Canis lupus</i> )	6	3/9/1978	9/15/1982	F	77	UNK	UNK	E	3C	2/29/2012	Revision of listed entity
Wolf, red ( <i>Canis rufus</i> )	4	3/11/1967	10/26/1990	RF(2)	40	UNK	UNK	E	5C	9/28/2007	No change to listed status
Woodrat, Key Largo ( <i>Neotoma floridana smalli</i> )	4	9/21/1983	5/18/1999	F	20	UNK	UNK	E	3C	9/25/2008	No change to listed status
Woodrat, riparian (=San Joaquin Valley) ( <i>Neotoma fuscipes riparia</i> )	8	2/23/2000	9/30/1998	F	12	40,104,000**	20	E	3C	6/20/2012	No change to listed status

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<b>Reptiles</b>											
Anole, Culebra Island giant ( <i>Anolis roosevelti</i> )	4	8/22/1977	1/28/1983	F	2	UNK	UNK	E	17	1/14/2014	No change to listed status
Boa, Mona ( <i>Epicrates monensis monensis</i> )	4	3/6/1978	4/19/1984	F	9	UNK	UNK	T	3	N/A	*
Boa, Puerto Rican ( <i>Epicrates inornatus</i> )	4	10/13/1970	3/27/1986	F	10	UNK	UNK	E	11C	9/16/2011	No change to listed status
Boa, Virgin Islands tree ( <i>Epicrates monensis granti</i> )	4	10/13/1970	3/27/1986	F	12	UNK	UNK	E	9C	8/14/2009	Reclassify to T
Crocodile, American (FL) ( <i>Crocodylus acutus</i> )	4	10/28/1975	5/18/1999	F	6	UNK	UNK	T	2C	3/20/2007	Reclassify to T
gartersnake, northern Mexican ( <i>Thamnophis eques megalops</i> )	2	7/8/2014	N/A	N/A	N/A	N/A	N/A	T	UNK	N/A	Species listed < 5 years
Gecko, Monito ( <i>Sphaerodactylus micropithecus</i> )	4	10/15/1982	3/27/1986	F	4	UNK	UNK	E	5	N/A	*
Iguana, Mona ground ( <i>Cyclura stejnegeri</i> )	4	3/6/1978	4/19/1984	F	13	UNK	UNK	T	3	N/A	*
Lizard, blunt-nosed leopard ( <i>Gambelia silus</i> )	8	3/11/1967	9/30/1998	F	36	40,104,000**	20	E	2C	2/16/2010	No change to listed status
Lizard, Coachella Valley fringe-toed ( <i>Uma inornata</i> )	8	9/25/1980	9/11/1985	F	32	UNK	UNK	T	5C	8/6/2010	No change to listed status
Lizard, St. Croix ground ( <i>Ameiva polops</i> )	4	7/5/1977	3/29/1984	F	9	UNK	UNK	E	8C	8/21/2013	No change to listed status
Plymouth Red-Bellied Turtle ( <i>Pseudemys rubriventris bangsi</i> )	5	4/2/1980	5/6/1994	RF(2)	17	421,500	17	E	9	9/30/2007	No change to listed status
Rattlesnake, New Mexican ridge-nosed ( <i>Crotalus willardi obscurus</i> )	2	8/21/1978	3/22/1985	F	12	UNK	UNK	T	3	N/A	*
Sea turtle, green (except where endangered) ( <i>Chelonia mydas</i> )	4	7/28/1978	10/29/1991, 01/12/1998	RF(1)	106	45,700,000**, UN	23, UNK	T	1C	8/22/2007	No change to listed status
Sea turtle, green (FL, Mexico nesting pops.) ( <i>Chelonia mydas</i> )	4	7/28/1978	10/29/1991, 01/12/1998	RF(1)	99	45,700,000**, UN	23, UNK	E	1C	8/22/2007	No change to listed status
Sea turtle, hawksbill ( <i>Eretmochelys imbricata</i> )	4	6/2/1970	12/15/1993, 01/12/1998	RF(1)	82	12,850,000, UNK	26, UNK	E	1C	6/3/2013	No change to listed status
Sea turtle, Kemp's ridley ( <i>Lepidochelys kempii</i> )	2	12/2/1970	9/22/2011	RF(2)	57	UNK	12	E	2C	8/24/2007	No change to listed status*
Sea turtle, leatherback ( <i>Dermochelys coriacea</i> )	4	6/2/1970	04/06/1992, 01/12/1998	RF(1)	86	6,740,000, UNK	23, UNK	E	1	11/15/2013	No change to listed status
Sea turtle, loggerhead (North Pacific Ocean DPS)( <i>Caretta caretta</i> )	4	7/23/1978	1/12/1998	RF(1)	21	UNK	UNK	E	9C	8/27/2007	No change to listed status
Sea turtle, loggerhead (Northwest Atlantic Ocean DPS) ( <i>Caretta caretta</i> )	4	7/23/1978	12/31/2008	RF(2)	43	UNK	UNK	T	9C	8/27/2007	No change to listed status
Sea turtle, olive ridley (except where endangered) ( <i>Lepidochelys olivacea</i> )	4	7/28/1978	1/12/1998	RF(1)	20	UNK	UNK	T	8C	8/21/2007	No change to listed status

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Skink, bluetail mole ( <i>Eumeces egregius lividus</i> )	4	11/6/1987	5/18/1999	F	18	UNK	UNK	T	3C	8/2/2007	No change to listed status
Skink, sand ( <i>Neoseps reynoldsi</i> )	4	11/6/1987	5/18/1999	F	18	UNK	UNK	T	1C	8/2/2007	No change to listed status
Snake, Atlantic salt marsh ( <i>Nerodia clarkii taeniata</i> )	4	12/29/1977	12/15/1993	F	9	152,000	7	T	12	3/24/2008	No change to listed status
Snake, copperbelly water (IN north of 40 degrees N. Lat., MI, OH) ( <i>Nerodia erythrogaster neglecta</i> )	3	1/29/1997	12/5/2008	F	19	2,094,000	30	T	3C	5/24/2010	Reclassify to E*
Snake, eastern indigo ( <i>Drymarchon corais couperi</i> )	4	3/3/1978	4/22/1982	F	15	UNK	UNK	T	11C	4/29/2008	No change to listed status
Snake, giant garter ( <i>Thamnophis gigas</i> )	8	10/20/1993	7/2/1999	D	15	62,358,000	29	T	2C	6/20/2012	No change to listed status
Snake, narrow-headed garter ( <i>Thamnophis rufipunctatus</i> )	2	7/8/2014	N/A	N/A	N/A	N/A	N/A	T	UNK	N/A	Species listed < 5 years
Snake, San Francisco garter ( <i>Thamnophis sirtalis tetrataenia</i> )	8	3/11/1967	9/11/1985	F	49	UNK	UNK	E	3C	10/2/2006	No change to listed status*
Tortoise, desert (Entire, except Sonoran Desert)( <i>Gopherus agassizii</i> )	8	8/20/1980	5/6/2011	RF(1)	32	159,000,000	14	T	11C	9/30/2010	No change to listed status
Tortoise, gopher (West of Mobile and Tombigbee R. in AL, MS, LA)( <i>Gopherus polyphemus</i> )	4	7/7/1987	12/26/1990	F	16	UNK	UNK	T	9	7/27/2011	No change to listed status
Turtle, Alabama red-belly ( <i>Pseudemys alabamensis</i> )	4	6/16/1987	1/8/1990	F	11	UNK	UNK	E	5	N/A	*
Turtle, bog (=Muhlenberg) (Entire, except GA, NC, SC, TN, VA)( <i>Clemmys muhlenbergii</i> )	5	11/4/1997	5/15/2001	F	33	1,863,000	49	T	12C	N/A	*
Turtle, flattened musk (Black Warrior R. system upstream from Bankhead Dam) ( <i>Sternotherus depressus</i> )	4	6/11/1987	2/26/1990	F	5	UNK	UNK	T	14	7/17/2014	No change to listed status
Turtle, ringed map ( <i>Graptemys oculifera</i> )	4	12/23/1986	4/8/1988	F	11	UNK	UNK	T	14	8/17/2010	No change to listed status
Turtle, yellow-blotched map ( <i>Graptemys flavimaculata</i> )	4	1/14/1991	3/15/1993	F	6	845,000	UNK	T	14	N/A	*
Whipsnake (=striped racer), Alameda ( <i>Masticophis lateralis euryxanthus</i> )	8	12/5/1997	4/7/2003	D	13	13,013,100	45	T	9C	9/28/2011	No change to listed status
<b>Snails</b>											
Ambersnail, Kanab ( <i>Oxyloma haydeni kanabensis</i> )	6	8/8/1991	10/12/1995	F	11	UNK	UNK	E	6C	8/25/2011	No change to listed status
Campeloma, slender ( <i>Campeloma decampi</i> )	4	2/25/2000	N/A	N/A	N/A	N/A	N/A	E	5	8/17/2012	No change to listed status
Cavesnail, Tumbling Creek ( <i>Antrobia culveri</i> )	3	8/14/2002	9/15/2003	F	38	2,174,000	20	E	4	3/21/2014	No change to listed status
Elimia, lacy (snail) ( <i>Elimia crenatella</i> )	4	10/28/1998	12/2/2005	F	23	625,000**	10	T	8	8/29/2006	No change to listed status
Hornsnail, rough ( <i>Pleurocera foremani</i> )	4	12/2/2010	10/30/2014	D	N/A	UNK	UNK	E	5	N/A	Species listed < 5 years

<sup>1</sup>Earlier drafts and final plans for some individual species may have become incorporated into later multi-species or ecosystem plans.

\*5-Year Review in progress as of September 30, 2014

\*\*See Estimated Cost to Recovery Description



## Recovery Data as of September 30, 2014

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Active Plan Date	Plan Status <sup>1</sup>	Number of Recovery Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	Five-Year Review Status Recommendation
Limpet, Banbury Springs ( <i>Lanx sp.</i> )	1	12/14/1992	11/26/1995	F	25	1,163,000**	10	E	5C	9/15/2006	No change to listed status
Lioplax, cylindrical (snail) ( <i>Lioplax cyclostomaformis</i> )	4	10/28/1998	12/2/2005	F	23	UNK	UNK	E	8	8/29/2006	No change to listed status*
Marstonia, royal (snail) ( <i>Pyrgulopsis ogmorhaphe</i> )	4	4/15/1994	8/11/1995	F	9	UNK	UNK	E	5	12/1/2011	No change to listed status
Pebblesnail, flat ( <i>Lepyrium showalteri</i> )	4	10/28/1998	12/2/2005	F	23	UNK	UNK	E	5	8/29/2006	No change to listed status
Riversnail, Anthony's ( <i>Athearnia anthonyi</i> )	4	4/15/1994	8/13/1997	F	7	422,500	UNK	E	5	3/11/2011	No change to listed status
Rocksnailed, interrupted (=Georgia) ( <i>Leptoxis foremani</i> )	4	12/2/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Rocksnailed, painted ( <i>Leptoxis taeniata</i> )	4	10/28/1998	12/2/2005	F	23	625,000**	10	T	8	8/29/2006	No change to listed status*
Rocksnailed, plicate ( <i>Leptoxis plicata</i> )	4	10/28/1998	12/2/2005	F	23	UNK	UNK	E	5C	8/29/2006	No change to listed status
Rocksnailed, round ( <i>Leptoxis ampla</i> )	4	10/28/1998	12/2/2005	F	23	625,000**	10	T	8	8/29/2006	No change to listed status*
Snail, armored ( <i>Pyrgulopsis (=Marstonia) pachyta</i> )	4	2/25/2000	7/1/1994	D	N/A	UNK	UNK	E	5	9/22/2010	No change to listed status
Snail, Bliss Rapids ( <i>Taylorconcha serpenticola</i> )	1	12/14/1992	11/26/1995	F	28	1,163,000**	10	T	8C	7/13/2009	No change to listed status
Snail, Chittenango ovate amber ( <i>Succinea chittenangoensis</i> )	5	8/2/1978	7/11/2006	RF(1)	20	546,600	20	T	5	11/8/2012	Reclassify to E
Snail, flat-spined three-toothed ( <i>Triodopsis platysayoides</i> )	5	8/2/1978	5/9/1983	F	12	UNK	UNK	T	8C	11/6/2007	No change to listed status*
Snail, Iowa Pleistocene ( <i>Discus macclintocki</i> )	3	8/2/1978	3/22/1984	F	11	84,000	3	E	8	8/21/2013	No change to listed status
Snail, Lanai tree ( <i>Partulina semicarinata</i> )	1	6/27/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Snail, Lanai tree ( <i>Partulina variabilis</i> )	1	6/27/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Snail, Morro shoulderband (=Banded dune) ( <i>Helminthoglypta walkeriana</i> )	8	12/15/1994	9/28/1998	F	7	UNK	UNK	E	2C	9/11/2006	Reclassify to T*
Snail, Newcomb's ( <i>Erinna newcombi</i> )	1	1/26/2000	9/18/2006	F	N/A	2,530,000	14	T	7	7/29/2009	No change to listed status
snail, noonday ( <i>Mesodon clarki nantahale = Patera clarki nantahala</i> )	4	8/2/1978	9/7/1984	F	14	UNK	UNK	T	9	10/28/2013	No change to listed status
Snail, Oahu tree ( <i>Achatinella spp.</i> )	1	2/12/1981	6/30/1992	F	20	UNK	UNK	E	2	9/20/2011	No change to listed status
Snail, painted snake coiled forest ( <i>Anguispira picta</i> )	4	8/2/1978	10/14/1982	F	5	UNK	UNK	T	8C	1/16/2008	No change to listed status*
Snail, Pecos assiminea ( <i>Assiminea pecos</i> )	2	8/9/2005	N/A	N/A	N/A	N/A	N/A	E	5	12/28/2010	No change to listed status

<sup>1</sup>Earlier drafts and final plans for some individual species may have become incorporated into later multi-species or ecosystem plans.

\*5-Year Review in progress as of September 30, 2014

\*\*See Estimated Cost to Recovery Description

Recovery Data as of September 30, 2014

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Active Plan Date	Plan Status <sup>1</sup>	Number of Recovery Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	Five-Year Review Status Recommendation
Snail, Snake River physa ( <i>Physa natricina</i> )	1	12/14/1992	11/26/1995	F	18	1,163,000**	10	E	8C	5/23/2014	Reclassify to T
Snail, Stock Island tree ( <i>Orthalicus reses (not incl. nesodryas)</i> )	4	8/2/1978	5/18/1999	F	28	UNK	UNK	T	3	9/11/2009	No change to listed status
Snail, tulotoma ( <i>Tulotoma magnifica</i> )	4	1/9/1991	11/17/2000	F	27	2,565,000**	10	T	8	2/29/2008	Reclassify to T
Snail, Virginia fringed mountain ( <i>Polygyriscus virginianus</i> )	5	8/2/1978	5/9/1983	F	6	UNK	UNK	E	4	1/29/2008	No change to listed status*
Springsnail, Alamosa ( <i>Tryonia alamosae</i> )	2	9/30/1991	8/31/1994	F	6	101,000**	10	E	14	N/A	*
Springsnail, Bruneau Hot ( <i>Pyrgulopsis bruneauensis</i> )	1	1/25/1993	9/30/2002	F	12	15,000,000	15	E	2C	6/24/2007	No change to listed status
Springsnail, Chupadera ( <i>Pyrgulopsis chupaderae</i> )	2	8/13/2012	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Springsnail, Koster's ( <i>Juturnia kosteri</i> )	2	8/9/2005	N/A	N/A	N/A	N/A	N/A	E	5	12/28/2010	No change to listed status
Springsnail, Phantom ( <i>Pyrgulopsis texana</i> )	2	8/8/2013	N/A	N/A	N/A	N/A	N/A	E	UNK	N/A	Species listed < 5 years
Springsnail, Roswell ( <i>Pyrgulopsis roswellensis</i> )	2	8/9/2005	N/A	N/A	N/A	N/A	N/A	E	5	12/28/2010	No change to listed status
springsnail, San Bernardino ( <i>Pyrgulopsis bernardina</i> )	2	5/17/2012	N/A	N/A	N/A	N/A	N/A	T	8	N/A	Species listed < 5 years
Springsnail, Socorro ( <i>Pyrgulopsis neomexicana</i> )	2	9/30/1991	8/31/1994	F	6	101,000**	10	E	5	10/10/2008	No change to listed status
Springsnail, Three Forks ( <i>Pyrgulopsis trivialis</i> )	2	5/17/2012	N/A	N/A	N/A	N/A	N/A	E	2	N/A	Species listed < 5 years
Tree snail, Newcomb's ( <i>Newcombia cumingi</i> )	1	6/27/2013	N/A	N/A	N/A	N/A	N/A	E	5	N/A	Species listed < 5 years
Tryonia, Diamond ( <i>Pseudotryonia adamantina</i> )	2	7/9/2013	N/A	N/A	N/A	N/A	N/A	E	UNK	N/A	Species listed < 5 years
Tryonia, Gonzales ( <i>Tryonia circumstriata (=stocktonensis)</i> )	2	7/9/2013	N/A	N/A	N/A	N/A	N/A	E	UNK	N/A	Species listed < 5 years
Tryonia, Phantom ( <i>Tryonia cheatumi</i> )	2	7/9/2013	N/A	N/A	N/A	N/A	N/A	E	UNK	N/A	Species listed < 5 years

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\*5-Year Review in progress as of September 30, 2014

\*\*See Estimated Cost to Recovery Description

# Endangered Species Program Contacts

Want more information on a particular endangered species or endangered species recovery effort near you? Please contact the appropriate office below:

## Headquarters Office

Ecological Services Program  
5275 Leesburg Pike  
Falls Church, VA 22041  
<http://www.fws.gov/endangered/>

*Chief, Division of Restoration and Recovery:*  
Jeff Newman; 703 358-2555

## Region One — Pacific

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

*Program Manager, Restoration and Recovery*  
Marilet Zablan; 503-231-2345

*States/Territories:* Hawaii, Idaho, Oregon, Washington, American Samoa, Commonwealth of the Northern Mariana Islands, Guam and the Pacific Trust Territories

## Region Two — Southwest

500 Gold Avenue, SW  
Albuquerque, NM 87102  
[http://www.fws.gov/southwest/es/EndangeredSpecies\\_Main.html](http://www.fws.gov/southwest/es/EndangeredSpecies_Main.html)

*Chief, Division of Threatened and Endangered Species*  
Susan Jacobsen; 505-248-6641

*States:* Arizona, New Mexico, Oklahoma, and Texas

## Region Three - Midwest

5600 American Blvd. West  
Suite 990  
Bloomington, Minnesota 55437-1458  
<http://www.fws.gov/midwest/endangered/>

*Chief, Division of Endangered Species:*  
Alisa Shull; 612-713-5334

*States:* Illinois, Indiana, Iowa, Ohio, Michigan, Minnesota, Missouri, and Wisconsin

## Region Four — Southeast

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

*Chief, Restoration and Recovery*  
Aaron Valenta; 404-679-4144

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

## Region Five — Northeast

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

*Chief, Division of Endangered Species:*  
Marty Miller; 413-253-8615

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

## Region Six — Mountain Prairie

134 Union Boulevard, Suite 650  
Lakewood, CO 80228  
<http://www.fws.gov/mountain-prairie/es/endangered.php>

*Chief, Division of Ecological Services*  
Marjorie Nelson; 303-236-4258

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

## Region Seven — Alaska

1011 E. Tudor Road  
Anchorage, AK 99503-6199  
<http://alaska.fws.gov/fisheries/endangered/>

*Regional Endangered Species Coordinator:*  
Drew Crane. 907-786-3323

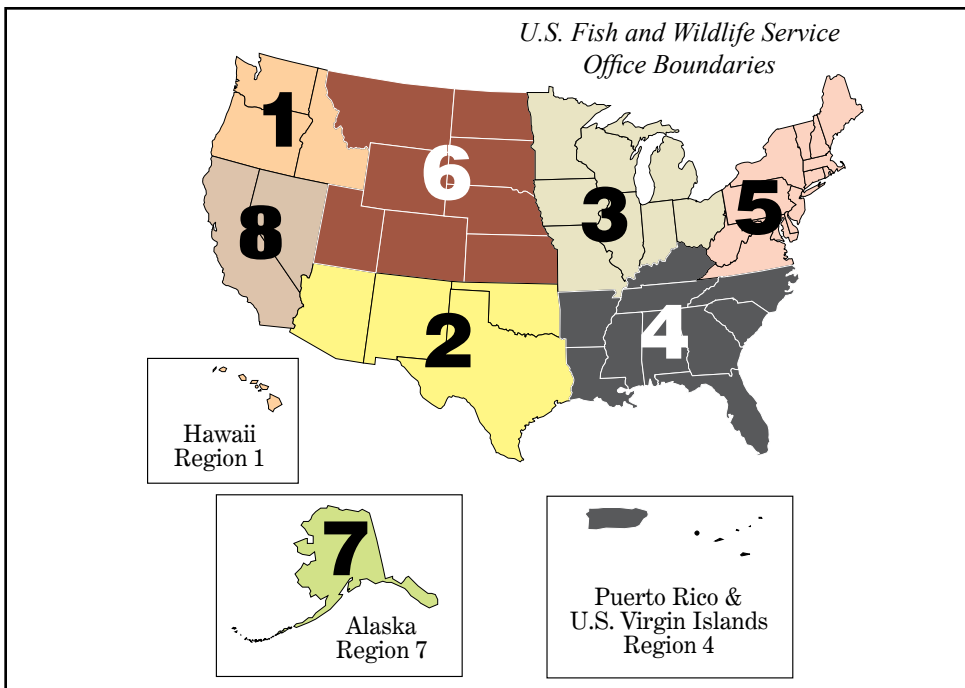
*State:* Alaska

## Region Eight - Pacific Southwest

2800 Cottage Way, Suite W2606  
Sacramento, CA 95825  
<http://www.fws.gov/cno/es/>

*Assistant Regional Director for Ecological Services*  
Mike Fris; 916-414-6450

*States:* California, Nevada





**The U.S. Fish and Wildlife Service is responsible under the Endangered Species Act for conserving and recovering our nation's rarest plant and animal species and their habitats, working in cooperation with other public and private partners.**

**U.S. Fish & Wildlife Service  
Ecological Services Program  
[www.fws.gov/endangered](http://www.fws.gov/endangered)  
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