

U.S. Fish & Wildlife Service

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

*Fiscal Years 2011-2012*



# From the Director

Photo Credit: Tami Heilemann/DOI



This report provides an update on the recovery of threatened and endangered species protected under the Endangered Species Act for the period between October 1, 2010, and September 30, 2012 (fiscal years 2011 and 2012).

This two-year time period was actually the most exceptional two-year period of endangered species recovery we have seen in the U.S. Fish and Wildlife Service. During these two fiscal years, the Service removed six species from Endangered Species Act protection because they were successfully recovered and no longer needed federal protection: the Maguire daisy, Tennessee purple coneflower, Lake Erie water snake, Concho water snake, and the gray wolf in both the northern Rocky Mountains and the western Great Lakes.

In addition to those species completely removed from federal protection, 3 species (wood bison, Okaloosa darter, and Tulotoma snail) were reclassified from endangered to the less critical status of threatened, and 1 species (Magazine Mountain shagreen) was proposed for delisting.

While full recovery is the ultimate goal, a more complete measure of success includes the number of species that are were saved from extinction, are no longer declining, have stable populations, or have gained a solid foothold on the path toward recovery and are improving in status.

Today, the ESA protects 1,569 domestic species and 629 foreign species. These species evolved for millions of years in their unique ecosystems and niches. Then, the inevitable development pressures on habitat created by a growing nation threatened the health and well-being of the nation's rarest fish, wildlife and plants. The ESA is designed to protect, among other things, the habitat and ecosystems that formed over millions of years, and has successfully reversed the decline of species that, in some instances, has been 200 years in the making.

Recovering endangered species is complex and challenging work, often requiring substantial time and resources to help species increase their population, decrease their threats, and adapt to additional factors like invasive species and climate change. The fact that 30 species have successfully recovered and no longer require federal protection in a mere 4 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, for the majority of federally protected species, reflects their progress towards recovery as result of prevented extinctions, stabilized and increasing populations, and diminished threats.

While we have much to be proud of, we have much more work to do. The challenges we face are daunting and growing, calling us to be more innovative, to create more conservation incentives and to work closely with our partners. Collaborative partnerships are critical for conserving imperiled and species in the future. The Service significantly values and remains committed to cultivating relationships with federal, state, and local agencies; Tribes; universities; non-governmental organizations; private landowners; and other stakeholders, in order to achieve recovery progress for listed species.

Daniel M. Ashe, Director

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

*Fiscal Years 2011-2012*

## Data

Data are presented for each U.S. listed domestic species under the jurisdiction of the U.S. Fish and Wildlife Service (Service), organized by major taxonomic groupings. 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 Endangered Species Act (ESA);
- the date of the species' current recovery plan;
- the stage of development of the recovery plan;
- the number of actions outlined in the current recovery plan that have been implemented;
- the estimated costs for recovery, if available;
- the estimated time to recovery (from plan completion), if available;
- the species' current listing classification;
- the species' recovery priority number;
- the date the species' 5-year review was completed; and
- the species' 5-year review status recommendation at the end of FY2012.



Jared Martin / USFWS

*The black-footed ferret.*

## Common 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 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.

## Lead Region

This indicates which Service Region has the 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.

## Date Listed

This indicates the date the species was added to the list of federally Endangered and Threatened Species. 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 listing 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 act are unchanged by the revision, we report the original listing date and vice versa.

## Date of Current or Active Plan

This indicates the date of the species’ most current recovery plan. An “N/A” in this column indicates that a recovery plan for the species is still under development. If a species has more than one active recovery plan, all active plan dates will be shown in this column.

Three species in the 2012 Report face very unique circumstances due to recent revisions of their listed entities. Prior to a September 15, 2009 listing revision, the Uinta Basin hookless cactus, Colorado

hookless cactus, and Pariette cactus were part of a single listed entity and covered under the Uinta Basin hookless cactus recovery plan (in which 14 recovery actions were implemented). The revision resulted in three listed entities, and each now has a recovery outline. The previous recovery plan is no longer the current plan for these species; therefore, this information is not included in the 2012 Report.

## 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



*Fasset's locoweed flower.*

Joel Trick / USFWS

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, 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 85% (1,147) of all domestic species under the jurisdiction of the Service had recovery plans. Of these species, less than 4% (only 44) had draft recovery plans that were waiting to be finalized.

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.



Gary Peeples / USFWS

*Biologists check seine for host fish for the Appalachian elktoe mussel.*

- **D:** Draft plan has been approved by the Regional Director and published in the Federal Register as available for public comment.
- **RD(#):** Draft of the revised plan has been approved by the Regional Director and published in the Federal Register as available for public comment.
- **RD(1):** 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.
- **E:** 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, or for species that occur primarily outside of the United States. 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.



Adam Clause

*California tiger salamander.*

## Number of Actions Implemented

The “number of 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, 2012. 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.

## Estimated Costs for Recovery

This column indicates the estimated costs of recovering the species as reported in their most current recovery plans. Because the Service often works closely with partners to recover species, the Service may not be solely responsible for funding 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. 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 multispecies plan. Therefore, the total cost provided in the multi-species plan has been associated with every species from the plan. In the 2012 Report, the use of a double asterisk (\*\*) beside an estimated cost for recovery designates species for which the total estimated cost from a multispecies 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 recovery. The Service is committed to pursuing the recovery of listed species in a cost-effective way through its partnerships.

## Estimated Time to Recovery

This reports the estimated number of years (from the date of the current 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 “N/A” 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. For species with multiple active recovery plans, the longest estimated time to recovery is shown.

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.

## Listing Classification

The species’ listing classification, as of September 30, 2012, is identified as threatened (T) or endangered (E). At the close of this reporting period, the Service had lead responsibility for recovering 1,343 federally listed threatened (283) and endangered (1060) species.



Becky Sibka / USFWS

*loggerhead sea turtle.*



Susan Middleton

*Short tailed albatross.*

## 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 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



*Piping plover.*

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 changes will help RPNs keep pace with the on-the-ground conditions for our 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 have also developed mechanisms in our Threatened and Endangered Species System (TESS) that allow us to update RPNs as needed so that the RPN

displayed in the Service's databases won't lag behind the actual species' condition. This change 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.

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

Five-year review status recommendations are included on this report. A 5-year review is a periodic analysis of a species' status conducted to ensure that the listing classification of a species as threatened or endangered on the List of Endangered and Threatened Wildlife and Plants (List) (50 CFR 17.11 – 17.12) is accurate. The 5-year review is required by section 4(c)(2) of the Endangered Species

Act of 1973, as amended (ESA).

The 5-year review can be as straightforward as gathering current information on a species and determining whether recovery criteria have been met. This may be the case for species that have recovery plans with up-to-date criteria, including criteria that adequately address the five listing factors described under section 4(a)(1) of the ESA. The five listing factors defined by section 4(a)(1) of the ESA are: (1) habitat modification, destruction, or curtailment; (2) overutilization of the species for commercial, recreational, scientific, or educational purposes; (3) disease or predation; (4) inadequacy of existing regulatory mechanisms; or (5) other natural or manmade factors affecting its continued existence.

For species without recovery plans, or with recovery criteria that are not up-to-date, a 5-year review entails analyzing information available on the species relative to the definitions of endangered and threatened and in the context of the five listing factors identified above. Although 5-year reviews should generally focus on new information since the last status review, discussion of information from the listing and/or previous status reviews may be necessary to summarize the current status and evaluate whether new information indicates a change in the status of the species and its threats.

The scope of the 5-year review may vary depending on the species and situation. A 5-year review can be complex, particularly if a species is wide-ranging or a large amount of new information is available for a species. However, for many species, a 5-year review will entail a straightforward summary of relevant new information and an evaluation of how the species' status and threats have changed



in comparison to the last status review. In many cases, the 5-year review will confirm that no change in classification is warranted. It should be noted that a 5-year review does not involve rulemaking and thus 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 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 may review the status of any species at any time (50 CFR 424.21).

In addition to reviewing the classification of a species, a 5-year review presents an opportunity to track the progress of a species toward recovery and propose



*Karner blue butterfly.*

Joel Trick / USFWS



*Searching for eastern prairie fringed orchid.*

appropriate next steps for its conservation. The latter is not required, but we have found that taking this extra step while undergoing a 5-year review is an expedient means to benefit the species by providing valuable information to guide future conservation efforts. Information gathered during the review can assist in prioritizing actions over the next 5 years, making funding allocation decisions, conducting interagency section 7 consultations (jeopardy analyses; identification of the most effective, reasonable, and prudent measures; reasonable and prudent alternatives; and conservation actions), making permitting decisions, determining whether to update a recovery plan,

and conducting other actions under the ESA.

The 5-year review status recommendation of each species is identified in the report as one of the following outcomes. If the recommendation is to reclassify or delist a species we may propose to take that action through a separate rulemaking process.

- **No change in status:** Species for which no change in classification is warranted. 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 threatened, 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 five threat factor analysis, biologists found that the threats neither increased enough to warrant a reclassification to endangered (for those species listed as threatened), nor decreased enough to warrant a reclassification to threatened (for those species listed as endangered) or delisting.

- **Reclassify to T:** The species' status has substantially improved such that it should be reclassified from endangered to threatened; 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 endangered or threatened for the following reasons: (1) The species is extinct; (2) The species has recovered and is no longer endangered or threatened; 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



*Federally endangered pagosa skyrocket.*

portion of its range. This decline may be due to one or more of the five threat factors identified above.

- **Revision:** This status is used only in the Recovery Report. It reflects a 5-year status review recommendation to revise the listed entity. For example, a taxonomic revision may be recommended after a 5-year review.
- **Not yet initiated:** For species with this status, a 5-year status review has not yet been started. For species listed less than five years, 5-year reviews have not been initiated.
- **In progress:** For species with this status, a 5-year status review was ongoing as of September 30, 2012.

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

The Service continued to make significant progress towards completing 5-year reviews during fiscal years 2011 and 2012. As of September 30, 2012, 5-year reviews have been completed for 80% (1,013) of the domestic species listed for 5 or more years and under the jurisdiction of the Service; 31% (318) of which were completed during Fiscal Years 2011-2012. This represents a 23% 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 33% (424) of the domestic species (240 for the first time and 184 representing a subsequent

cycle of 5-year review for the species). Of the species listed for five or more years, only 1% (14) are being reported as not having 5-year status reviews initiated by the end of the reporting period. Thus, as of September 30, 2012, 5-year status reviews have been completed or initiated for 99% of all listed domestic species under the jurisdiction of the Service.

Of the 1,013 5-year reviews completed:

- 1% (8) recommend a revision to the listed entity,
- 1% (12) recommend reclassifying from threatened to endangered,
- 92% (933) recommend no change in status for the species,
- 4% (37) recommend reclassifying from endangered to threatened,
- 2% (23) recommend delisting (11 due to error, 2 due to extinction, and 10 due to recovery).

Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
<b>Amphibians</b>											
Coqui, golden ( <i>Eleutherodactylus jasperii</i> )	4	11/11/1977	4/19/1984	F	3	N/A	N/A	T	5C	N/A	*
Frog, California red-legged ( <i>Rana draytonii</i> )	8	5/23/1996	9/12/2002	F	38	10,031,500	23	T	5C	N/A	*
Frog, Chiricahua leopard ( <i>Rana chiricahuensis</i> )	2	6/13/2002	6/4/2007	F	54	3,413,000	28	T	2C	1/28/2011	No change in status
Frog, dusky gopher ( <i>Rana sevosia</i> )	4	12/4/2001	N/A	N/A	N/A	N/A	N/A	E	5	N/A	*
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 in status
Guajon ( <i>Eleutherodactylus cookii</i> )	4	6/11/1997	9/24/2004	F	9	846,000	20	T	11	4/20/2011	No change in 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	not yet initiated
Salamander, Barton Springs ( <i>Eurycea sosorum</i> )	2	4/30/1997	9/21/2005	F	8	6,255,000	20	E	2C	10/5/2006	No change in status
Salamander, California tiger (Sonoma County, CA) ( <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, California tiger (Santa Barbara County, CA) ( <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 in status
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 in status
Salamander, desert slender ( <i>Batrachoseps aridus</i> )	8	6/4/1973	8/12/1982	F	18	N/A	N/A	E	8	6/17/2009	No change in 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
Salamander, Red Hills ( <i>Phaeognathus hubrichti</i> )	4	1/3/1977	11/23/1983	F	9	N/A	N/A	T	7	N/A	*
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
Salamander, San Marcos ( <i>Eurycea nana</i> )	2	7/14/1980	2/14/1996	RF(1)	26	N/A	N/A	T	2C	N/A	*
Salamander, Santa Cruz long-toed ( <i>Ambystoma macrodactylum croceum</i> )	8	3/11/1967	7/2/1999	RD(2)	24	N/A	N/A	E	6C	5/30/2009	No change in status
Salamander, Shenandoah ( <i>Plethodon shenandoah</i> )	5	8/18/1989	9/29/1994	F	9	N/A	N/A	E	8	N/A	*
Salamander, Sonora tiger ( <i>Ambystoma tigrinum stebbinsi</i> )	2	1/6/1997	9/24/2002	F	23	N/A	N/A	E	3	10/4/2007	No change in status

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
Salamander, Texas blind ( <i>Typhlomolge rathbuni</i> )	2	3/11/1967	2/14/1996	RF(1)	26	N/A	N/A	E	5	N/A	*
Toad, arroyo (=arroyo southwestern) ( <i>Bufo californicus</i> (=microscaphus))	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	N/A	N/A	E	2C	11/28/2011	No change in status
Toad, Puerto Rican crested ( <i>Peltophryne lemur</i> )	4	8/4/1987	8/7/1992	F	16	N/A	N/A	T	2C	N/A	*
Toad, Wyoming ( <i>Bufo baxteri</i> (=hemiophrys))	6	1/17/1984	9/11/1991	F	38	1,600,000	14	E	2	9/13/2012	No change in status
<b>Arachnids</b>											
Harvestman, Bee Creek Cave ( <i>Texella reddelli</i> )	2	9/16/1988	8/25/1994	F	16	N/A	N/A	E	2C	12/4/2009	No change in status
Harvestman, Bone Cave ( <i>Texella reyesi</i> )	2	9/16/1988	8/25/1994	F	16	N/A	N/A	E	2C	12/4/2009	No change in status
Harvestman, Cokendolpher Cave ( <i>Texella cokendolpheri</i> )	2	12/26/2000	10/4/2011	F	3	162,420**	20	E	5C	8/29/2011	No change in status
Meshweaver, Braken Bat Cave ( <i>Cicurina venii</i> )	2	12/26/2000	10/4/2011	F	5	162,420**	20	E	2C	8/29/2011	No change in status
Meshweaver, Government Canyon Bat Cave ( <i>Cicurina vespera</i> )	2	12/26/2000	10/4/2011	F	5	162,420**	20	E	2C	8/29/2011	No change in status
Meshweaver, Madla's Cave ( <i>Cicurina madla</i> )	2	12/26/2000	10/4/2011	F	7	162,420**	20	E	2C	8/29/2011	No change in status
Meshweaver, Robber Baron Cave ( <i>Cicurina baronia</i> )	2	12/26/2000	10/4/2011	F	3	162,420**	20	E	5C	8/29/2011	No change in status
Pseudoscorpion, Tooth Cave ( <i>Tartarocreagris texana</i> )	2	9/16/1988	8/25/1994	F	16	N/A	N/A	E	2C	12/4/2009	No change in status
Spider, Government Canyon Bat Cave ( <i>Neoleptoneta microps</i> )	2	12/26/2000	10/4/2011	F	5	162,420**	20	E	2C	8/29/2011	No change in status
Spider, Kauai cave wolf or pe'e pe'e maka 'ole ( <i>Adelocosa anops</i> )	1	1/14/2000	7/19/2006	F	11	3,445,000**	30	E	1C	9/29/2006	No change in status
Spider, spruce-fir moss ( <i>Microhexura montivaga</i> )	4	2/6/1995	9/11/1998	F	7	N/A	N/A	E	5	N/A	*
Spider, Tooth Cave ( <i>Leptoneta myopica</i> )	2	9/16/1988	8/25/1994	F	16	N/A	N/A	E	2C	12/4/2009	No change in status
<b>Birds</b>											
Akekee ( <i>Loxops caeruleirostris</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	2	N/A	not yet initiated
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 in status

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
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 in 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 in status
Akiapola`au (honeycreeper) ( <i>Hemignathus munroi</i> )	1	3/11/1967	9/22/2006	RF(1)	187	2,477,395,000**	30	E	2	8/27/2010	No change in 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	not yet initiated
Albatross, short-tailed ( <i>Phoebastria (=Diomedea) albatrus</i> )	7	6/2/1970	5/20/2009	F	38	5,520,000	25	E	8	9/24/2009	No change in status
Blackbird, yellow-shouldered ( <i>Agelaius xanthomus</i> )	4	12/12/1976	11/12/1996	RF(1)	13	N/A	N/A	E	2	2/2/2011	No change in status
Bobwhite, masked (quail) ( <i>Colinus virginianus ridgwayi</i> )	2	3/11/1967	4/21/1995	RF(2)	42	N/A	N/A	E	6	N/A	*
Caracara, Audubon's crested ( <i>Polyborus plancus audubonii</i> )	4	7/6/1987	5/18/1999	F	22	N/A	N/A	T	8C	8/14/2009	No change in status
Condor, California (U.S. only) ( <i>Gymnogyps californianus</i> )	8	3/11/1967	4/25/1996	RF(3)	54	N/A	N/A	E	4C	N/A	*
Coot, Hawaiian ( <i>Fulica americana alai</i> )	1	10/13/1970	1/19/2012	RF(2)	31	19,063,000**	10	E	8	8/27/2010	No change in status
Crane, Mississippi sandhill ( <i>Grus canadensis pulla</i> )	4	6/4/1973	9/6/1991	RF(3)	16	N/A	N/A	E	6C	N/A	*
Crane, whooping ( <i>Grus americana</i> )	2	3/11/1967	5/29/2007	RF(3)	40	N/A	N/A	E	2C	2/13/2012	No change in status
Creeper, 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 in status
Creeper, 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 in status*
Creeper, Oahu ( <i>Paroreomyza maculata</i> )	1	10/13/1970	9/22/2006	RF(1)	5	2,477,395,000**	30	E	5	8/27/2010	No change in status*
Crow, Hawaiian (=alala) 3	1	3/11/1967	4/17/2009	RF(1)	24	N/A	N/A	E	2C	7/31/2009	No change in status
Crow, Mariana (=aga) ( <i>Corvus kubaryi</i> )	1	8/27/1984	1/11/2006	RD(1)	31	661,420,000	49	E	5C	8/25/2009	No change in 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 in status
Duck, Hawaiian (=koloa) ( <i>Anas wyvilliana</i> )	1	3/11/1967	1/19/2012	RF(2)	37	19,063,000**	10	E	2	7/31/2009	No change in status
Duck, Laysan ( <i>Anas laysanensis</i> )	1	3/11/1967	9/22/2009	RF(1)	15	N/A	20	E	2	8/2/2007	No change in status*

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
Eider, spectacled ( <i>Somateria fischeri</i> )	7	5/10/1993	8/12/1996	F	54	N/A	N/A	T	11	8/26/2010	No change in status
Eider, Steller's ( <i>Polysticta stelleri</i> )	7	6/11/1997	9/30/2002	F	64	N/A	N/A	T	3	N/A	not yet initiated
Elepaio, Oahu ( <i>Chasiempis sandwichensis ibidis</i> )	1	4/18/2000	9/22/2006	RF(1)	141	2,477,395,000**	30	E	3	7/31/2009	No change in status*
falcon, northern aplomado ( <i>Falco femoralis septentrionalis</i> )	2	2/25/1986	6/8/1990	F	18	N/A	N/A	E	3	N/A	*
Finch, Laysan (honeycreeper) ( <i>Telespyza cantans</i> )	1	3/11/1967	10/4/1984	F	18	N/A	N/A	E	2	1/18/2008	No change in status*
Finch, Nihoa (honeycreeper) ( <i>Telespyza ultima</i> )	1	3/11/1967	10/4/1984	F	18	N/A	N/A	E	2	9/20/2011	No change in status
Flycatcher, southwestern willow ( <i>Empidonax traillii extimus</i> )	2	2/27/1995	8/30/2002	F	106	127,466,000	30	E	3C	N/A	*
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 in status
Goose, Hawaiian ( <i>Branta (=Nesochen) sandvicensis</i> )	1	3/11/1967	9/24/2004	RD(1)	38	N/A	30	E	2	9/30/2011	No change in status
Goshawk, Queen Charlotte (British Columbia DPS) ( <i>Accipiter gentilis laingi</i> )	7	8/31/2012	N/A	N/A	N/A	N/A	N/A	T	9C	N/A	not yet initiated
Hawk, Hawaiian (= 'lo) ( <i>Buteo solitarius</i> )	1	3/11/1967	5/9/1984	F	8	N/A	N/A	E	14	8/6/2008	Delist due to recovery
Hawk, Puerto Rican broad-winged ( <i>Buteo platypterus brunescens</i> )	4	9/9/1994	9/8/1997	F	9	N/A	N/A	E	6	10/28/2010	No change in status
Hawk, Puerto Rican sharp-shinned ( <i>Accipiter striatus venator</i> )	4	9/9/1994	9/8/1997	F	9	N/A	N/A	E	3	N/A	*
Honeycreeper, crested ( <i>Palmeria dolei</i> )	1	3/11/1967	9/22/2006	RF(1)	184	2,477,395,000**	30	E	7	8/2/2011	No change in status*
Kingfisher, Guam Micronesian ( <i>Halcyon cinnamomina cinnamomina</i> )	1	8/27/1984	11/14/2008	RF(1)	37	145,830,000	50	E	6	1/18/2008	No change in status*
Kite, Everglade snail ( <i>Rostrhamus sociabilis plumbeus</i> )	4	3/11/1967	5/18/1999	F	15	N/A	N/A	E	3C	9/27/2007	No change in 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 in status
Millerbird, Nihoa (old world warbler) ( <i>Acrocephalus familiaris kingi</i> )	1	3/11/1967	10/4/1984	F	21	N/A	N/A	E	2	8/27/2010	No change in status
Moorhen, Hawaiian common ( <i>Gallinula chloropus sandvicensis</i> )	1	3/11/1967	1/19/2012	RF(2)	34	19,063,000**	10	E	9	8/27/2010	No change in status
Moorhen, Mariana common ( <i>Gallinula chloropus guami</i> )	1	8/27/1984	9/30/1991	F	3	N/A	N/A	E	9C	7/29/2009	No change in status
Murrelet, marbled (CA, OR, WA) ( <i>Brachyramphus marmoratus</i> )	1	10/1/1992	9/24/1997	F	30	N/A	N/A	T	2C	6/12/2009	No change in status

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
Nightjar, Puerto Rican ( <i>Caprimulgus noctitherus</i> )	4	6/4/1973	4/19/1984	F	7	N/A	N/A	E	5C	8/16/2012	No change in 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 in status
`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 in 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 in status
Owl, Mexican spotted ( <i>Strix occidentalis lucida</i> )	2	3/16/1993	6/28/2011	RD(1)	20	42,628,000	10	T	9C	N/A	not yet initiated
Owl, northern spotted ( <i>Strix occidentalis caurina</i> )	1	6/26/1990	7/1/2011	RF(1)	N/A	127,100,000	30	T	12C	9/29/2011	No change in status
Palila (honeycreeper) ( <i>Loxioides bailleui</i> )	1	3/11/1967	9/22/2006	RF(1)	139	2,477,395,000**	30	E	1	7/31/2009	No change in status
Parrotbill, Maui (honeycreeper) ( <i>Pseudonestor xanthophrys</i> )	1	3/11/1967	9/22/2006	RF(1)	183	2,477,395,000**	30	E	1	8/2/2011	No change in status*
Parrot, Puerto Rican ( <i>Amazona vittata</i> )	4	3/11/1967	6/17/2009	RF(1)	28	N/A	N/A	E	2	9/26/2008	No change in status
Parrot, thick-billed ( <i>Rhynchopsitta pachyrhyncha</i> )	2	6/2/1970	6/20/2009	D	N/A	N/A	N/A	E	5C	N/A	not yet initiated
petrel, Bermuda ( <i>Pterodroma cahow</i> )	4	6/2/1970	N/A	N/A	N/A	N/A	N/A	E	1	N/A	*
Petrel, Hawaiian dark-rumped ( <i>Pterodroma phaeopygia sandwichensis</i> )	1	3/11/1967	4/25/1983	F	23	N/A	N/A	E	2	9/30/2011	No change in status
Pigeon, Puerto Rican plain ( <i>Columba inornata wetmorei</i> )	4	10/13/1970	10/14/1982	F	7	N/A	N/A	E	3C	11/22/2011	No change in status
Plover, piping (Great Lakes watershed) ( <i>Charadrius melodus</i> )	3	12/11/1985	9/16/2003	F	41	3,459,000	15	E	2C	9/28/2009	No change in status
Plover, piping (except Great Lakes watershed) ( <i>Charadrius melodus</i> )	5	12/11/1985	05/12/1988, 05/02/1996	F, RF(1)	35	N/A, N/A	N/A, 14	T	2C	9/29/2009	No change in status
Plover, western snowy (Pacific coastal population) ( <i>Charadrius alexandrinus nivosus</i> )	8	3/5/1993	9/24/2007	F	87	149,946,000	40	T	3C	6/8/2006	No change in status*
Po`ouli (honeycreeper) ( <i>Melamprosops phaeosoma</i> )	1	10/28/1975	9/22/2006	RF(1)	176	2,477,395,000**	30	E	4	8/27/2010	No change in status*
Prairie-chicken, Attwater's greater ( <i>Tympanuchus cupido attwateri</i> )	2	3/11/1967	4/26/2010	RF(2)	44	192,531,000	50	E	6	4/28/2010	No change in status
Rail, California clapper ( <i>Rallus longirostris obsoletus</i> )	8	10/13/1970	2/10/2010	D	3	1,295,890,960**	50	E	3C	N/A	*
Rail, Guam (Except Rota) ( <i>Rallus owstoni</i> )	1	4/11/1984	9/28/1990	F	50	N/A	N/A	E	2	7/29/2009	No change in status*
Rail, light-footed clapper (U.S.A. only) ( <i>Rallus longirostris levipes</i> )	8	10/13/1970	6/24/1985	RF(1)	123	N/A	N/A	E	6	8/10/2009	No change in status

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012



Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
Rail, Yuma clapper (U.S.A. only) ( <i>Rallus longirostris yumanensis</i> )	2	3/11/1967	2/10/2010	RD(1)	11	N/A	10	E	6	9/11/2006	No change in status
scrub-jay, Florida ( <i>Aphelocoma coerulescens</i> )	4	6/3/1987	5/9/1990	F	19	N/A	N/A	T	8C	9/28/2007	No change in status
Shearwater, Newell's Townsend's ( <i>Puffinus auricularis newelli</i> )	1	10/28/1975	4/25/1983	F	24	N/A	N/A	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	18	N/A	N/A	E	12	6/17/2009	No change in status
Sparrow, Cape Sable seaside ( <i>Ammodramus maritimus mirabilis</i> )	4	3/11/1967	5/18/1999	F	7	N/A	N/A	E	3C	8/18/2010	No change in status
Sparrow, Florida grasshopper ( <i>Ammodramus savannarum floridanus</i> )	4	7/31/1986	5/18/1999	F	14	N/A	N/A	E	3C	9/30/2008	No change in status
Sparrow, San Clemente sage ( <i>Amphispiza belli clementeae</i> )	8	9/12/1977	1/26/1984	F	17	N/A	N/A	T	9	8/13/2009	No change in status
Stilt, Hawaiian ( <i>Himantopus mexicanus knudseni</i> )	1	10/13/1970	1/19/2012	RF(2)	33	19,063,000**	10	E	5	8/27/2010	No change in status
Stork, wood (AL, FL, GA, SC) ( <i>Mycteria americana</i> )	4	2/28/1984	1/27/1997	RF(1)	29	1,095,000	28	E	5C	9/21/2007	Reclassify to T
Swiftlet, Mariana gray ( <i>Aerodramus vanikorensis bartschi</i> )	1	8/27/1984	9/30/1991	F	19	N/A	N/A	E	8	8/27/2010	No change in status
Tern, California least ( <i>Sterna antillarum browni</i> )	8	6/2/1970	9/27/1985	RF(1)	68	N/A	N/A	E	15C	9/26/2006	Reclassify to T*
Tern, least (interior population) ( <i>Sterna antillarum</i> )	4	5/28/1985	9/19/1990	F	36	2,000,000	15	E	3C	N/A	*
Tern, roseate (Western Hemisphere except Northeast U.S.) ( <i>Sterna dougallii dougallii</i> )	4	11/2/1987	9/24/1993	F	8	N/A	N/A	T	3	9/30/2010	No change in status
Tern, roseate (northeast U.S. nesting population) ( <i>Sterna dougallii dougallii</i> )	5	11/2/1987	11/5/1998	RF(1)	30	N/A	N/A	E	3	9/30/2010	No change in 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 in 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 in 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 in status
Towhee, Inyo California ( <i>Pipilo crissalis eremophilus</i> )	8	8/3/1987	4/10/1998	F	16	635,000	13	T	15	9/30/2008	Delist due to recovery*
Vireo, black-capped ( <i>Vireo atricapilla</i> )	2	10/6/1987	9/30/1991	F	28	N/A	N/A	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	N/A	N/A	E	9C	9/26/2006	Reclassify to T*
Warbler, Kirtland's ( <i>Dendroica kirtlandii</i> )	3	3/11/1967	9/30/1985	RF(1)	21	N/A	N/A	E	2C	8/21/2012	Reclassify to T

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
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 in status
Warbler (=wood), Bachman's ( <i>Vermivora bachmanii</i> )	4	3/11/1967	N/A	N/A	N/A	N/A	N/A	E	5	2/9/2007	No change in status
Warbler (=wood), golden-cheeked ( <i>Dendroica chrysoparia</i> )	2	5/4/1990	9/30/1992	F	9	11,889,000	16	E	2C	N/A	*
White-eye, bridled ( <i>Zosterops conspicillatus conspicillatus</i> )	1	8/27/1984	9/28/1990	F	10	N/A	N/A	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	N/A	N/A	E	2	8/27/2010	No change in status
Woodpecker, ivory-billed ( <i>Campephilus principalis</i> )	4	3/11/1967	7/19/2010	F	N/A	N/A	N/A	E	5	N/A	not yet initiated
Woodpecker, red-cockaded ( <i>Picoides borealis</i> )	4	10/13/1970	3/20/2003	RF(2)	246	N/A	N/A	E	8C	10/5/2006	No change in status
<b>Clams</b>											
Acornshell, southern ( <i>Epioblasma othcaloogensis</i> )	4	3/17/1993	11/17/2000	F	27	N/A	N/A	E	5	4/7/2008	Delist due to error
Bankclimber, purple (mussel) ( <i>Elliptoideus sloatianus</i> )	4	3/16/1998	9/19/2003	F	26	5,492,000**	N/A	T	11	9/17/2007	No change in status
Bean, Cumberland (pearlymussel) ( <i>Villosa trabalis</i> )	4	6/14/1976	8/22/1984	F	15	N/A	N/A	E	5C	6/21/2010	No change in status
Bean, purple ( <i>Villosa perpurpurea</i> )	5	1/10/1997	5/24/2004	F	24	N/A	N/A	E	5	10/24/2006	No change in status*
Bean, rayed ( <i>Villosa fabalis</i> )	3	3/15/2012	N/A	N/A	N/A	N/A	N/A	E	N/A	N/A	not yet initiated
Blossom, green (pearlymussel) ( <i>Epioblasma torulosa gubernaculum</i> )	4	6/14/1976	7/9/1984	F	4	N/A	N/A	E	6	9/21/2007	Delist due to error
Blossom, tubercled (pearlymussel) ( <i>Epioblasma torulosa torulosa</i> )	4	6/14/1976	1/25/1985	F	2	N/A	N/A	E	6	8/12/2011	No change in status
Blossom, turgid (pearlymussel) ( <i>Epioblasma turgidula</i> )	4	6/14/1976	1/25/1985	F	2	N/A	N/A	E	5	9/21/2007	Delist due to error
Blossom, yellow (pearlymussel) ( <i>Epioblasma florentina florentina</i> )	4	6/14/1976	1/25/1985	F	2	N/A	N/A	E	6	9/21/2007	Delist due to error
Catspaw, white (pearlymussel) ( <i>Epioblasma obliquata perobliqua</i> )	3	6/14/1976	1/25/1990	F	4	N/A	N/A	E	6C	12/9/2009	No change in status*
Clubshell, black ( <i>Pleurobema curtum</i> )	4	4/7/1987	11/14/1989	F	7	N/A	0	E	5C	4/27/2009	No change in status
Clubshell, ovate ( <i>Pleurobema perovatum</i> )	4	3/17/1993	11/17/2000	F	27	N/A	N/A	E	5	4/7/2008	No change in 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 in status

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

## Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
Clubshell, southern ( <i>Pleurobema decisum</i> )	4	3/17/1993	11/17/2000	F	26	N/A	N/A	E	8	4/7/2008	No change in status
Combshell, Cumberlandian ( <i>Epioblasma brevidens</i> )	4	1/10/1997	5/24/2004	F	24	N/A	N/A	E	5	9/19/2007	No change in status
Combshell, southern ( <i>Epioblasma penita</i> )	4	4/7/1987	11/14/1989	F	7	N/A	N/A	E	2C	4/27/2009	No change in status
Combshell, upland ( <i>Epioblasma metastriata</i> )	4	3/17/1993	11/17/2000	F	27	N/A	N/A	E	5	4/7/2008	Delist due to error
Elktoe, Appalachian ( <i>Alasmidonta raveneliana</i> )	4	11/23/1994	8/26/1996	F	11	422,500	N/A	E	5C	3/3/2009	No change in status
Elktoe, Cumberland ( <i>Alasmidonta atropurpurea</i> )	4	1/10/1997	5/24/2004	F	24	N/A	N/A	E	5	1/24/2007	No change in status
Fanshell ( <i>Cyprogenia stegaria</i> )	4	6/21/1990	7/9/1991	F	11	N/A	N/A	E	5	N/A	*
fatmucket, Arkansas ( <i>Lampsilis powellii</i> )	4	4/5/1990	2/10/1992	F	9	N/A	N/A	T	8	N/A	*
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	N/A	E	5C	6/20/2012	No change in status
Higgins eye (pearlymussel) ( <i>Lampsilis higginsii</i> )	3	6/14/1976	7/14/2004	RF(1)	20	3,800,000	47	E	5C	5/9/2006	No change in status*
Kidneyshell, triangular ( <i>Ptychobranthus greenii</i> )	4	3/17/1993	11/17/2000	F	27	N/A	N/A	E	8	4/7/2008	No change in status
Lampmussel, Alabama ( <i>Lampsilis virescens</i> )	4	6/14/1976	7/2/1985	F	15	N/A	N/A	E	5	8/28/2012	No change in status
Lilliput, pale (pearlymussel) ( <i>Toxolasma cylindrellus</i> )	4	6/14/1976	8/22/1984	F	13	N/A	N/A	E	5	8/31/2011	No change in status
Mapleleaf, winged ( <i>Quadrula fragosa</i> )	3	6/20/1991	10/1/2009	F	34	1,127,500	N/A	E	2C	N/A	*
Moccasinshell, Alabama ( <i>Medionidus acutissimus</i> )	4	3/17/1993	11/17/2000	F	27	N/A	N/A	T	8	4/7/2008	No change in status
Moccasinshell, Coosa ( <i>Medionidus parvulus</i> )	4	3/17/1993	11/17/2000	F	27	N/A	N/A	E	5	4/7/2008	No change in status
Moccasinshell, Gulf ( <i>Medionidus penicillatus</i> )	4	3/16/1998	9/19/2003	F	24	N/A	N/A	E	5	9/17/2007	No change in status
Moccasinshell, Ochlockonee ( <i>Medionidus simpsonianus</i> )	4	3/16/1998	9/19/2003	F	25	N/A	N/A	E	5	9/17/2007	No change in status
Monkeyface, Appalachian (pearlymussel) ( <i>Quadrula sparsa</i> )	5	6/14/1976	7/9/1984	F	21	N/A	N/A	E	5	N/A	*
Monkeyface, Cumberland (pearlymussel) ( <i>Quadrula intermedia</i> )	4	6/14/1976	7/9/1984	F	16	N/A	N/A	E	5C	7/28/2011	No change in status

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

## Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
Mucket, orangenacre ( <i>Lampsilis perovalis</i> )	4	3/17/1993	11/17/2000	F	27	N/A	N/A	T	8	4/7/2008	No change in status
Mucket, pink (pearlymussel) ( <i>Lampsilis abrupta</i> )	4	6/14/1976	1/24/1985	F	5	N/A	N/A	E	5	N/A	*
Mussel, oyster ( <i>Epioblasma capsaeformis</i> )	4	1/10/1997	5/24/2004	F	24	N/A	N/A	E	5	7/12/2011	No change in status
Mussel, scaleshell ( <i>Leptodea leptodon</i> )	3	10/9/2001	4/7/2010	F	19	26,381,000	45	E	2	12/10/2010	No change in status*
Mussel, sheepnose ( <i>Plethobasus cyphus</i> )	3	4/12/2012	N/A	N/A	N/A	N/A	N/A	E	N/A	N/A	not yet initiated
Mussel, snuffbox ( <i>Epioblasma triquetra</i> )	3	3/15/2012	N/A	N/A	N/A	N/A	N/A	E	N/A	N/A	not yet initiated
Pearlshell, Louisiana ( <i>Margaritifera hembeli</i> )	4	2/5/1988	12/3/1990	F	3	N/A	N/A	T	8	2/22/2011	No change in status
Pearlymussel, birdwing ( <i>Lemiox rimosus</i> )	4	6/14/1976	7/9/1984	F	17	N/A	N/A	E	4C	8/19/2011	No change in status
Pearlymussel, cracking ( <i>Hemistena lata</i> )	4	9/28/1989	7/11/1991	F	10	N/A	N/A	E	4	8/19/2011	No change in 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 in status*
Pearlymussel, dromedary ( <i>Dromus dromas</i> )	4	6/14/1976	7/9/1984	F	16	N/A	N/A	E	4C	8/19/2011	No change in status
Pearlymussel, littlewing ( <i>Pegias fabula</i> )	4	11/14/1988	9/22/1989	F	4	N/A	N/A	E	4	N/A	*
Pigtoe, Cumberland ( <i>Pleurobema gibberum</i> )	4	5/7/1991	8/13/1992	F	6	618,500	N/A	E	5	N/A	*
Pigtoe, dark ( <i>Pleurobema furvum</i> )	4	3/17/1993	11/17/2000	F	27	N/A	N/A	E	5	4/7/2008	No change in status
Pigtoe, finerayed ( <i>Fusconaia cuneolus</i> )	4	6/14/1976	9/19/1984	F	13	N/A	N/A	E	5	N/A	*
Pigtoe, flat ( <i>Pleurobema marshalli</i> )	4	4/7/1987	11/14/1989	F	7	N/A	N/A	E	5	4/27/2009	Delist due to error
Pigtoe, Georgia ( <i>Pleurobema hanleyianum</i> )	4	12/2/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	not yet initiated
Pigtoe, heavy ( <i>Pleurobema taitianum</i> )	4	4/7/1987	11/14/1989	F	7	N/A	N/A	E	5C	4/27/2009	No change in status
Pigtoe, oval ( <i>Pleurobema pyriforme</i> )	4	3/16/1998	9/19/2003	F	25	N/A	N/A	E	5	9/17/2007	No change in status
Pigtoe, rough ( <i>Pleurobema plenum</i> )	4	6/14/1976	8/6/1984	F	9	N/A	N/A	E	5	N/A	*
Pigtoe, shiny ( <i>Fusconaia cor</i> )	4	6/14/1976	7/9/1984	F	11	N/A	N/A	E	5	N/A	*

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

## Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
Pigtoe, southern ( <i>Pleurobema georgianum</i> )	4	3/17/1993	11/17/2000	F	27	N/A	N/A	E	5	4/7/2008	No change in status
Pimpleback, orangefoot (pearlymussel) ( <i>Plethobasus cooperianus</i> )	4	6/14/1976	9/30/1984	F	9	N/A	N/A	E	5	N/A	*
Pocketbook, fat ( <i>Potamilus capax</i> )	4	6/14/1976	11/14/1989	F	10	N/A	N/A	E	8	3/30/2012	No change in status
Pocketbook, finelined ( <i>Lampsilis altilis</i> )	4	3/17/1993	11/17/2000	F	27	N/A	N/A	T	8	4/7/2008	No change in status
Pocketbook, Ouachita rock ( <i>Arkansia wheeleri</i> )	2	10/23/1991	6/2/2004	F	N/A	N/A	N/A	E	4C	N/A	*
Pocketbook, shinyrayed ( <i>Lampsilis subangulata</i> )	4	3/16/1998	9/19/2003	F	25	N/A	N/A	E	5	9/17/2007	No change in status
Pocketbook, speckled ( <i>Lampsilis streckeri</i> )	4	2/28/1989	1/2/1992	F	10	N/A	N/A	E	8	1/9/2007	No change in status
purple cat's paw (=purple cat's paw pearlymussel) ( <i>Epioblasma obliquata obliquata</i> )	3	7/10/1990	3/10/1992	F	3	459,000	N/A	E	6	9/24/2010	No change in status
Rabbitsfoot, rough ( <i>Quadrula cylindrica strigillata</i> )	5	1/10/1997	5/24/2004	F	24	N/A	N/A	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 in status
Riffleshell, tan ( <i>Epioblasma florentina walkeri</i> (=E. walkeri))	4	9/26/1977	10/22/1984	F	12	N/A	N/A	E	5	N/A	*
Ring pink (mussel) ( <i>Obovaria retusa</i> )	4	9/29/1989	3/25/1991	F	7	N/A	N/A	E	5	8/18/2011	No change in status
Slabshell, Chipola ( <i>Elliptio chipolaensis</i> )	4	3/16/1998	9/19/2003	F	24	N/A	N/A	T	11	9/17/2007	No change in status
Spectaclecase (mussel) ( <i>Cumberlandia monodonta</i> )	3	4/12/2012	N/A	N/A	N/A	N/A	N/A	E	N/A	N/A	not yet initiated
Spinymussel, Altamaha ( <i>Elliptio spinosa</i> )	4	11/10/2011	N/A	N/A	N/A	N/A	N/A	E	5	N/A	not yet initiated
Spinymussel, James ( <i>Pleurobema collina</i> )	5	7/22/1988	9/24/1990	F	13	N/A	N/A	E	8	N/A	*
Spinymussel, Tar River ( <i>Elliptio steinstansana</i> )	4	6/27/1985	5/5/1992	RF(1)	12	N/A	N/A	E	5C	N/A	*
Stirrupshell ( <i>Quadrula stapes</i> )	4	4/7/1987	11/14/1989	F	7	N/A	N/A	E	5	4/27/2009	Delist due to error
Three-ridge, fat (mussel) ( <i>Amblema neislerii</i> )	4	3/16/1998	9/19/2003	F	25	N/A	N/A	E	5	9/17/2007	No change in status
Wartyback, white (pearlymussel) ( <i>Plethobasus cicatricosus</i> )	4	6/14/1976	9/19/1984	F	7	N/A	N/A	E	5	N/A	*
Wedgemussel, dwarf ( <i>Alasmidonta heterodon</i> )	5	3/14/1990	2/8/1993	F	9	N/A	N/A	E	5	7/25/2007	No change in status

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
<b>Conifers and Cycads</b>											
Cypress, Gowen ( <i>Cupressus goveniana</i> ssp. <i>goveniana</i> )	8	8/12/1998	6/17/2005	F	3	N/A	12	T	8C	3/31/2008	No change in status*
Cypress, Santa Cruz ( <i>Cupressus abramsiana</i> )	8	1/8/1987	9/26/1998	F	3	51,500	5	E	14	8/17/2009	Reclassify to T*
Torreya, Florida ( <i>Torreya taxifolia</i> )	4	1/23/1984	9/9/1986	F	21	N/A	N/A	E	5C	7/30/2010	No change in status
Amphipod, Hay's Spring ( <i>Stygobromus hayi</i> )	5	2/5/1982	N/A	N/A	N/A	N/A	N/A	E	5	12/19/2007	No change in status
<b>Crustaceans</b>											
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 in 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 in 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 in status
Amphipod, Peck's cave ( <i>Stygobromus (=Stygonectes) pecki</i> )	2	12/18/1997	2/14/1996	RF(1)	24	N/A	N/A	E	2C	N/A	*
Crayfish, cave ( <i>Cambarus aculabrum</i> )	4	4/27/1993	10/30/1996	F	13	N/A	N/A	E	5	N/A	*
Crayfish, cave ( <i>Cambarus zophonastes</i> )	4	4/7/1987	9/26/1988	F	10	N/A	N/A	E	5	8/13/2012	No change in status
Crayfish, Nashville ( <i>Orconectes shoupi</i> )	4	9/26/1986	2/8/1989	RF(1)	9	N/A	N/A	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 in status
Fairy shrimp, Conservancy ( <i>Branchinecta conservatio</i> )	8	9/19/1994	3/7/2006	F	9	1,087,862,000**	58	E	8	6/29/2012	No change in status
Fairy shrimp, longhorn ( <i>Branchinecta longiantenna</i> )	8	9/19/1994	3/7/2006	F	8	1,087,862,000**	58	E	8	6/20/2012	No change in status
Fairy shrimp, Riverside ( <i>Streptocephalus woottoni</i> )	8	8/3/1993	9/3/1998	F	10	N/A	N/A	E	8C	9/30/2008	No change in status*
Fairy shrimp, San Diego ( <i>Branchinecta sandiegonensis</i> )	8	2/3/1997	9/3/1998	F	11	N/A	N/A	E	8C	9/30/2008	No change in status*
Fairy shrimp, vernal pool ( <i>Branchinecta lynchi</i> )	8	9/19/1994	3/7/2006	F	15	1,087,862,000**	58	T	2C	9/28/2007	No change in status*
Isopod, Lee County cave ( <i>Lirceus usdagalun</i> )	5	11/20/1992	9/30/1997	F	14	N/A	12	E	8	9/30/2008	No change in status
Isopod, Madison Cave ( <i>Antrolana lira</i> )	5	10/4/1982	9/30/1996	F	8	419,000	10	T	4	N/A	*

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

## Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
Isopod, Socorro ( <i>Thermosphaeroma thermophilus</i> )	2	4/26/1978	2/16/1982	F	8	N/A	N/A	E	2	11/24/2009	No change in status
Shrimp, Alabama cave ( <i>Palaemonias alabamae</i> )	4	9/7/1988	9/4/1997	F	7	N/A	N/A	E	5	8/29/2006	No change in status
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 in status
Shrimp, Kentucky cave ( <i>Palaemonias ganteri</i> )	4	10/12/1983	10/7/1988	F	5	N/A	N/A	E	5	4/30/2010	No change in status
Shrimp, Squirrel Chimney Cave ( <i>Palaemonetes cummingi</i> )	4	6/21/1990	N/A	N/A	N/A	N/A	N/A	T	5C	6/28/2008	No change in status
Tadpole shrimp, vernal pool ( <i>Lepidurus packardii</i> )	8	9/19/1994	3/7/2006	F	11	1,087,862,000**	58	E	2C	9/28/2007	No change in status*
<b>Ferns and Allies</b>											
aumakua, Palapalai ( <i>Dryopteris crinalis</i> var. <i>podosorus</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	6	N/A	not yet initiated
Diellia, asplenium-leaved ( <i>Diellia erecta</i> )	1	11/10/1994	7/10/1999	F	31	33,900,000**	11	E	2	4/7/2009	No change in status
Fern, Alabama streak-sorus ( <i>Thelypteris pilosa</i> var. <i>alabamensis</i> )	4	7/8/1992	10/25/1996	F	2	N/A	N/A	T	9	N/A	*
Fern, Aleutian shield ( <i>Polystichum aleuticum</i> )	7	2/17/1988	9/30/1992	F	N/A	N/A	N/A	E	8	9/26/2007	No change in status
Fern, American hart's-tongue ( <i>Asplenium scolopendrium</i> var. <i>americanum</i> )	4	7/14/1989	9/15/1993	F	14	373,200	6	T	9	N/A	*
Fern, Elfin tree ( <i>Cyathea dryopteroides</i> )	4	6/16/1987	1/31/1991	F	2	N/A	N/A	E	5	N/A	*
Fern, pendant kihi ( <i>Adenophorus periens</i> )	1	11/10/1994	7/10/1999	F	33	33,900,000**	11	E	11	8/27/2010	No change in status
Ihi`ihi ( <i>Marsilea villosa</i> )	1	6/22/1992	4/18/1996	F	37	N/A	N/A	E	8	8/29/2011	No change in status
No common name ( <i>Adiantum vivesii</i> )	4	6/9/1993	1/17/1995	F	7	N/A	N/A	E	17	6/10/2008	revision
No common name ( <i>Asplenium fragile</i> var. <i>insulare</i> )	1	9/26/1994	4/10/1998	F	17	4,742,000**	15	E	6	8/28/2012	No change in status
No common name ( <i>Diellia falcata</i> )	1	10/29/1991	8/10/1998	F	21	N/A	N/A	E	8	8/2/2011	No change in status
No common name ( <i>Diellia mannii</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	not yet initiated
No common name ( <i>Diellia pallida</i> )	1	2/25/1994	9/20/1995	F	69	N/A	N/A	E	5	1/18/2008	No change in status
No common name ( <i>Diellia unisora</i> )	1	6/27/1994	8/10/1998	F	20	N/A	N/A	E	11	8/2/2011	No change in status

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
No common name ( <i>Diplazium molokaiense</i> )	1	9/26/1994	4/10/1998	F	17	4,742,000**	15	E	5	8/27/2010	No change in 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	not yet initiated
No common name ( <i>Elaphoglossum serpens</i> )	4	6/9/1993	1/17/1995	F	7	N/A	N/A	E	5	1/15/2010	No change in status
No common name ( <i>Polystichum calderonense</i> )	4	6/9/1993	1/17/1995	F	7	N/A	N/A	E	5	1/15/2010	No change in status
No common name ( <i>Pteris lidgatei</i> )	1	9/26/1994	4/10/1998	F	17	4,742,000**	15	E	5	6/2/2009	No change in status*
No common name ( <i>Tectaria estremerana</i> )	4	6/9/1993	1/17/1995	F	7	N/A	N/A	E	8	1/15/2010	No change in status
No common name ( <i>Thelypteris inabonensis</i> )	4	7/2/1993	1/17/1995	F	7	N/A	N/A	E	5	N/A	*
No common name ( <i>Thelypteris verecunda</i> )	4	7/2/1993	1/17/1995	F	7	N/A	N/A	E	5	N/A	*
No common name ( <i>Thelypteris yaucoensis</i> )	4	7/2/1993	1/17/1995	F	7	N/A	N/A	E	5	N/A	*
Pauoa ( <i>Ctenitis squamigera</i> )	1	9/26/1994	4/10/1998	F	17	4,742,000**	15	E	5	7/21/2009	No change in status*
Quillwort, black spored ( <i>Isoetes melanospora</i> )	4	2/5/1988	7/7/1993	F	8	N/A	N/A	E	5	9/30/2008	No change in status
Quillwort, Louisiana ( <i>Isoetes louisianensis</i> )	4	10/28/1992	9/30/1996	F	10	N/A	N/A	E	14	6/20/2012	No change in status
Quillwort, mat-forming ( <i>Isoetes tegetiformans</i> )	4	2/5/1988	7/7/1993	F	8	N/A	N/A	E	5	9/30/2008	No change in status
Wawae`iole ( <i>Huperzia mannii</i> )	1	5/15/1992	7/29/1997	F	24	N/A	N/A	E	2	8/2/2011	No change in status*
Wawae`iole ( <i>Lycopodium (=Phlegmariurus) nutans</i> )	1	3/28/1994	8/10/1998	F	19	N/A	N/A	E	5	7/21/2009	No change in status*
<b>Fishes</b>											
Catfish, Yaqui ( <i>Ictalurus pricei</i> )	2	8/31/1984	3/29/1995	F	23	N/A	N/A	T	8C	N/A	*
Cavefish, Alabama ( <i>Speoplatyrhinus poulsoni</i> )	4	10/11/1977	10/25/1990	RF(2)	7	N/A	N/A	E	1	N/A	*
Cavefish, Ozark ( <i>Amblyopsis rosae</i> )	4	11/1/1984	11/14/1989	F	9	N/A	N/A	T	8	9/19/2011	No change in status
Chub, bonytail ( <i>Gila elegans</i> )	6	4/23/1980	8/1/2002	RF(1)	41	N/A	22	E	5C	8/30/2012	No change in status
Chub, Borax Lake ( <i>Gila boraxobius</i> )	1	5/28/1980	2/4/1987	F	19	N/A	N/A	E	2	8/23/2012	Reclassify to T

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012



## Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
Chub, Chihuahua ( <i>Gila nigrescens</i> )	2	10/11/1983	4/14/1986	F	8	N/A	N/A	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(1)	31	59,000,000	13	E	2C	8/12/2011	No change in status
Chub, Hutton tui ( <i>Gila bicolor ssp.</i> )	1	3/28/1985	4/27/1998	F	11	N/A	N/A	T	15	2/12/2008	No change in status
Chub, Mohave tui ( <i>Gila bicolor mohavensis</i> )	8	10/13/1970	9/12/1984	F	27	N/A	N/A	E	6	2/4/2009	No change in status
Chub, Oregon ( <i>Oregonichthys crameri</i> )	1	5/24/2010	9/3/1998	F	51	N/A	N/A	T	8	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	N/A	N/A	T	5	N/A	*
Chub, Sonora ( <i>Gila ditaenia</i> )	2	4/30/1986	9/30/1992	F	2	N/A	N/A	T	2C	N/A	*
Chub, spotfin ( <i>Erimonax monachus</i> )	4	10/11/1977	11/21/1983	F	16	N/A	N/A	T	11	N/A	*
Chub, Virgin River ( <i>Gila seminuda (=robusta)</i> )	6	8/24/1989	4/19/1995	RF(2)	39	N/A	20	E	2C	5/1/2008	No change in status
Chub, Yaqui ( <i>Gila purpurea</i> )	2	8/31/1984	3/29/1995	F	23	N/A	N/A	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	N/A	N/A	T	11	N/A	*
Dace, Clover Valley speckled ( <i>Rhinichthys osculus oligoporus</i> )	8	10/10/1989	5/12/1998	F	8	N/A	7	E	9C	6/7/2012	No change in 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 in status
Dace, Foskett speckled ( <i>Rhinichthys osculus ssp.</i> )	1	3/28/1985	4/27/1998	F	11	N/A	N/A	T	15	3/25/2009	No change in status
Dace, Independence Valley speckled ( <i>Rhinichthys osculus lethoporus</i> )	8	10/10/1989	5/12/1998	F	9	758,000**	7	E	9C	7/10/2008	No change in status*
Dace, Kendall Warm Springs ( <i>Rhinichthys osculus thermalis</i> )	6	10/13/1970	7/12/1982	F	16	N/A	N/A	E	12C	10/10/2007	No change in status
dace, Laurel ( <i>Chrosomus saylora</i> )	4	9/8/2011	N/A	N/A	N/A	N/A	N/A	E	5	N/A	not yet initiated

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

## Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
Dace, Moapa ( <i>Moapa coriacea</i> )	8	3/11/1967	5/16/1996	RF(1)	5	N/A	13	E	1	N/A	*
Darter, amber ( <i>Percina antesella</i> )	4	8/5/1985	6/20/1986	F	10	N/A	N/A	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 in status
Darter, bluemask (=jewel) ( <i>Etheostoma sp.</i> )	4	12/27/1993	7/25/1997	F	9	410,000	10	E	5	N/A	*
Darter, boulder ( <i>Etheostoma wapiti</i> )	4	9/1/1988	7/27/1989	F	8	N/A	N/A	E	5	9/18/2009	No change in 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	not yet initiated
Darter, duskytail ( <i>Etheostoma percnum</i> )	4	4/27/1993	3/30/1994	F	11	710,000	11	E	2	7/27/2012	No change in status
Darter, Etowah ( <i>Etheostoma etowahae</i> )	4	12/20/1994	11/17/2000	F	28	2,565,000**	10	E	2	N/A	*
Darter, fountain ( <i>Etheostoma fonticola</i> )	2	10/13/1970	2/14/1996	RF(1)	26	N/A	N/A	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)	22	1,284,000	10	T	2C	8/31/2012	No change in status
Darter, Maryland ( <i>Etheostoma sellare</i> )	5	3/11/1967	10/17/1985	RF(1)	17	N/A	N/A	E	5	10/5/2007	No change in status*
Darter, Niangua ( <i>Etheostoma nianguae</i> )	3	6/12/1985	7/17/1989	F	8	N/A	N/A	T	8	N/A	*
Darter, Okaloosa ( <i>Etheostoma okaloosae</i> )	4	6/4/1973	10/26/1998	RF(1)	20	N/A	18	T	8	7/2/2007	Reclassify to T
Darter, relict ( <i>Etheostoma chienense</i> )	4	12/27/1993	7/31/1994	D	2	N/A	N/A	E	5	N/A	*
Darter, rush ( <i>Etheostoma phytophilum</i> )	4	9/8/2011	N/A	N/A	N/A	N/A	N/A	E	5	N/A	not yet initiated
Darter, slackwater ( <i>Etheostoma boschungii</i> )	4	10/11/1977	3/8/1984	F	11	N/A	N/A	T	8	6/24/2008	No change in status
Darter, snail ( <i>Percina tanasi</i> )	4	11/10/1975	5/5/1983	F	14	N/A	N/A	T	11	N/A	*
Darter, vermilion ( <i>Etheostoma chermocki</i> )	4	11/28/2001	8/6/2007	F	5	1,806,000	10	E	2	8/30/2011	No change in status
Darter, watercress ( <i>Etheostoma nuchale</i> )	4	10/13/1970	3/29/1993	RF(2)	12	N/A	N/A	E	2	8/28/2009	No change in status

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
Darter, yellowcheek ( <i>Etheostoma moorei</i> )	4	9/8/2011	N/A	N/A	N/A	N/A	N/A	E	2C	N/A	not yet initiated
Gambusia, Big Bend ( <i>Gambusia gaigei</i> )	2	3/11/1967	9/19/1984	F	9	N/A	N/A	E	5	2/9/2012	No change in status
Gambusia, Clear Creek ( <i>Gambusia heterochir</i> )	2	3/11/1967	1/14/1982	F	3	N/A	N/A	E	2	5/7/2010	No change in status
Gambusia, Pecos ( <i>Gambusia nobilis</i> )	2	10/13/1970	5/9/1983	F	2	N/A	N/A	E	2	N/A	*
Gambusia, San Marcos ( <i>Gambusia georgei</i> )	2	7/14/1980	2/14/1996	RF(1)	27	N/A	N/A	E	5C	N/A	*
Goby, tidewater ( <i>Eucyclogobius newberryi</i> )	8	2/4/1994	12/7/2005	F	15	N/A	N/A	E	7C	9/28/2007	Reclassify to T*
Logperch, Conasauga ( <i>Percina jenkinsi</i> )	4	8/5/1985	6/20/1986	F	9	N/A	N/A	E	5	12/16/2011	No change in status
Logperch, Roanoke ( <i>Percina rex</i> )	5	8/18/1989	3/20/1992	F	13	N/A	N/A	E	8	9/19/2007	No change in 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	not yet initiated
Madtom, Neosho ( <i>Noturus placidus</i> )	6	5/22/1990	9/30/1991	F	16	412,000	5	T	8C	N/A	*
Madtom, pygmy ( <i>Noturus stanauli</i> )	4	4/27/1993	9/27/1994	F	6	N/A	N/A	E	5	10/5/2009	No change in status
Madtom, Scioto ( <i>Noturus trautmani</i> )	3	10/28/1975	N/A	N/A	N/A	N/A	N/A	E	5	12/23/2009	Delist due to error
Madtom, smoky ( <i>Noturus baileyi</i> )	4	10/26/1984	8/9/1985	F	9	N/A	N/A	E	8	2/28/2012	No change in status
Madtom, yellowfin ( <i>Noturus flavipinnis</i> )	4	10/11/1977	6/23/1983	F	16	N/A	N/A	T	8	2/29/2012	No change in status
Minnow, Devils River ( <i>Dionda diaboli</i> )	2	10/20/1999	9/13/2005	F	9	2,920,000	9	T	2	9/11/2008	No change in status
Minnow, loach ( <i>Tiaroga cobitis</i> )	2	10/28/1986	9/30/1991	F	27	N/A	N/A	E	4C	8/31/2012	No change in status
Minnow, Rio Grande silvery ( <i>Hybognathus amarus</i> )	2	7/20/1994	2/22/2010	RF(1)	41	167,500,000	30	E	2C	N/A	*
Pikeminnow (=squawfish), Colorado (except Salt and Verde River drainages, AZ) ( <i>Ptychocheilus</i> )	6	3/11/1967	8/1/2002	RF(2)	30	N/A	12	E	8C	8/29/2011	No change in status
Poolfish, Pahrump ( <i>Empetrichthys latos</i> )	8	3/11/1967	3/17/1980	F	32	N/A	N/A	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 in status
Pupfish, Comanche Springs ( <i>Cyprinodon elegans</i> )	2	3/11/1967	9/2/1981	F	12	N/A	N/A	E	2	N/A	*

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

## Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
Pupfish, desert ( <i>Cyprinodon macularius</i> )	2	3/31/1986	12/8/1993	F	11	N/A	N/A	E	2C	9/30/2010	No change in status
Pupfish, Devils Hole ( <i>Cyprinodon diabolis</i> )	8	3/11/1967	9/28/1990	F	10	7,345,000**	15	E	5	N/A	*
Pupfish, Leon Springs ( <i>Cyprinodon bovinus</i> )	2	8/15/1980	8/14/1985	F	7	N/A	N/A	E	2	N/A	*
Pupfish, Owens ( <i>Cyprinodon radiosus</i> )	8	3/11/1967	9/30/1998	F	20	N/A	17	E	2	2/4/2009	No change in 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 (Expanded Gulf of Maine DPS) ( <i>Salmo salar</i> )	5	6/19/2009	4/7/2006	F	49	N/A	N/A	E	6	N/A	not yet initiated
Sculpin, pygmy ( <i>Cottus paulus (=pygmaeus)</i> )	4	9/28/1989	8/6/1991	F	6	N/A	N/A	T	8	7/28/2008	No change in status
Shiner, Arkansas River (Arkansas river basin)( <i>Notropis girardi</i> )	2	11/23/1998	9/12/2008	D	11	N/A	N/A	T	5C	N/A	*
Shiner, beautiful ( <i>Cyprinella formosa</i> )	2	8/31/1984	3/29/1995	F	23	N/A	N/A	T	2	N/A	*
Shiner, blue ( <i>Cyprinella caerulea</i> )	4	4/22/1992	8/30/1995	F	10	N/A	N/A	T	8	N/A	*
Shiner, Cahaba ( <i>Notropis cahabae</i> )	4	10/25/1990	4/23/1992	F	4	N/A	N/A	E	2	N/A	*
Shiner, Cape Fear ( <i>Notropis mekistocholas</i> )	4	9/25/1987	10/7/1988	F	10	N/A	N/A	E	5	N/A	*
Shiner, palezone ( <i>Notropis albizonatus</i> )	4	4/27/1993	7/7/1997	F	4	380,000	10	E	5	N/A	*
Shiner, Pecos bluntnose ( <i>Notropis simus pecosensis</i> )	2	2/20/1987	9/30/1992	F	15	2,263,500	10	T	3	5/25/2010	No change in status
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	N/A	N/A	T	8	2/8/2011	No change in 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	N/A	N/A	E	4C	8/31/2012	No change in 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	30	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 in status

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
Springfish, Hiko White River ( <i>Crenichthys baileyi grandis</i> )	8	9/27/1985	5/26/1998	F	2	892,000**	17	E	3C	N/A	*
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 in status
Springfish, White River ( <i>Crenichthys baileyi baileyi</i> )	8	9/27/1985	5/26/1998	F	2	892,000**	17	E	3C	N/A	*
Stickleback, unarmored threespine ( <i>Gasterosteus aculeatus williamsoni</i> )	8	10/13/1970	12/26/1985	RF(1)	11	N/A	N/A	E	6C	6/15/2009	No change in status
Sturgeon, Alabama ( <i>Scaphirhynchus suttkusi</i> )	4	5/5/2000	4/12/2012	D	N/A	1,150,000	N/A	E	5	11/9/2010	No change in status
Sturgeon, gulf ( <i>Acipenser oxyrinchus desotoi</i> )	4	9/30/1991	9/22/1995	F	37	8,413,000	28	T	12	9/30/2009	No change in status
Sturgeon, pallid ( <i>Scaphirhynchus albus</i> )	6	9/6/1990	11/7/1993	F	53	N/A	47	E	2C	6/13/2007	No change in 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	N/A	25	E	3C	8/9/2011	No change in status
Sucker, June ( <i>Chasmistes liorus</i> )	6	3/31/1986	6/25/1999	F	50	50,000,000	40	E	5C	N/A	*
Sucker, Lost River ( <i>Deltistes luxatus</i> )	8	7/18/1988	10/12/2011	RD(1)	8	135,000,000**	50	E	4C	7/19/2007	Reclassify to T*
Sucker, Modoc ( <i>Catostomus microps</i> )	8	6/11/1985	N/A	N/A	16	N/A	N/A	E	14	8/17/2009	Reclassify to T*
Sucker, razorback ( <i>Xyrauchen texanus</i> )	6	10/23/1991	8/1/2002	RF(1)	48	N/A	22	E	1C	8/30/2012	No change in 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 in status
Sucker, shortnose ( <i>Chasmistes brevirostris</i> )	8	7/18/1988	10/12/2011	RD(1)	6	135,000,000**	50	E	5C	7/19/2007	No change in status*
Sucker, Warner ( <i>Catostomus warnerensis</i> )	1	9/27/1985	4/27/1998	F	13	4,200,000	17	T	2C	9/30/2010	No change in status
Topminnow, Gila (incl. Yaqui)(U.S.A. only) ( <i>Poeciliopsis occidentalis</i> )	2	3/11/1967	3/5/1999	RD(1)	19	N/A	N/A	E	3C	N/A	*
Trout, Apache ( <i>Oncorhynchus apache</i> )	2	3/11/1967	9/3/2009	RF(2)	10	2,150,000	3	T	14C	4/28/2010	No change in status
Trout, bull (U.S.A., conterminous, lower 48 states)( <i>Salvelinus confluentus</i> )	1	6/10/1998	11/29/2002, 7/01/2004,	D	18	468,735,000, 6,000,000,	25	T	9C	4/25/2008	No change in 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 in status

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
Trout, Lahontan cutthroat ( <i>Oncorhynchus clarki henshawi</i> )	8	10/13/1970	1/30/1995	F	92	16,262,000	23	T	9	3/30/2009	No change in status
Trout, Little Kern golden ( <i>Oncorhynchus aguabonita whitei</i> )	8	5/15/1978	N/A	N/A	N/A	N/A	N/A	T	9	9/8/2011	No change in status
Trout, Paiute cutthroat ( <i>Oncorhynchus clarki seleniris</i> )	8	3/11/1967	9/10/2004	RF(1)	26	588,450	9	T	9	7/10/2008	No change in status*
tui chub, Owens ( <i>Gila bicolor ssp. snyderi</i> )	8	8/5/1985	9/30/1998	F	25	N/A	17	E	3	5/28/2009	No change in status
Woundfin (except Gila R. drainage, AZ, NM) ( <i>Plagopterus argentissimus</i> )	6	10/13/1970	4/19/1995	RF(2)	39	N/A	20	E	1C	5/1/2008	No change in status
<b>Flowering Plants</b>											
A`e ( <i>Zanthoxylum dipetalum var. tomentosum</i> )	1	10/10/1996	9/26/1996	F	28	9,395,000**	20	E	6	6/2/2009	No change in status
A`e ( <i>Zanthoxylum hawaiiense</i> )	1	3/4/1994	9/26/1996	F	34	9,395,000**	20	E	2	8/27/2010	No change in status
`Ahinahina ( <i>Argyroxiphium sandwicense ssp. macrocephalum</i> )	1	5/15/1992	7/29/1997	F	23	N/A	N/A	T	9	8/2/2011	No change in status
`Ahinahina ( <i>Argyroxiphium sandwicense ssp. sandwicense</i> )	1	3/21/1986	9/30/1993	F	23	N/A	N/A	E	6	8/28/2012	No change in status
`Aiakeakua, popolo ( <i>Solanum sandwicense</i> )	1	2/25/1994	9/20/1995	F	36	N/A	N/A	E	2	7/21/2009	No change in status
`Aiea ( <i>Nothocestrum breviflorum</i> )	1	3/4/1994	9/26/1996	F	32	9,395,000**	20	E	5	8/28/2012	No change in status
`Aiea ( <i>Nothocestrum peltatum</i> )	1	2/25/1994	9/20/1995	F	32	N/A	N/A	E	5	7/21/2009	No change in status
`Akoko ( <i>Chamaesyce celastroides var. kaenana</i> )	1	10/29/1991	8/10/1998	F	20	N/A	N/A	E	9	8/28/2012	No change in status
`Akoko ( <i>Chamaesyce deppeana</i> )	1	3/28/1994	8/10/1998	F	20	N/A	N/A	E	5	8/28/2012	No change in status
`Akoko ( <i>Chamaesyce eleanoriae</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	not yet initiated
`Akoko ( <i>Chamaesyce herbstii</i> )	1	10/10/1996	8/10/1998	F	20	N/A	N/A	E	8	8/28/2012	No change in status
`Akoko ( <i>Chamaesyce kuwaleana</i> )	1	10/29/1991	8/10/1998	F	19	N/A	N/A	E	8	8/2/2011	No change in status
`Akoko ( <i>Chamaesyce remyi var. kauaiensis</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	3	N/A	not yet initiated
`Akoko ( <i>Chamaesyce remyi var. remyi</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	6	N/A	not yet initiated
`Akoko ( <i>Chamaesyce rockii</i> )	1	10/10/1996	8/10/1998	F	20	N/A	N/A	E	8	8/2/2011	No change in status

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

## Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
<i>ʻAkoko (Euphorbia haeleleana)</i>	1	10/10/1996	7/10/1999	F	21	33,900,000**	11	E	5	8/27/2010	No change in status
<i>ʻAkoko, Ewa Plains (Chamaesyce skottsbergii var. kalaeloana)</i>	1	8/24/1982	10/5/1993	D	6	N/A	N/A	E	6	8/28/2012	No change in status
<i>Alani (Melicope adscendens)</i>	1	12/5/1994	7/29/1997	F	31	N/A	N/A	E	5	1/18/2008	No change in status*
<i>Alani (Melicope balloui)</i>	1	12/5/1994	7/29/1997	F	24	N/A	N/A	E	5	8/2/2011	No change in status
<i>Alani (Melicope degeneri)</i>	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	not yet initiated
<i>Alani (Melicope haupuensis)</i>	1	2/25/1994	9/20/1995	F	37	N/A	N/A	E	5	7/21/2009	No change in status
<i>Alani (Melicope knudsenii)</i>	1	2/25/1994	9/20/1995	F	30	N/A	N/A	E	5	7/21/2009	No change in status*
<i>Alani (Melicope lydgatei)</i>	1	3/28/1994	8/10/1998	F	20	N/A	N/A	E	5	7/21/2009	No change in status*
<i>Alani (Melicope mucronulata)</i>	1	5/15/1992	7/29/1997	F	31	N/A	N/A	E	5	1/18/2008	No change in status*
<i>Alani (Melicope munroi)</i>	1	9/3/1999	7/10/1999	F	20	33,900,000**	11	E	5	8/28/2012	No change in status
<i>Alani (Melicope ovalis)</i>	1	12/5/1994	7/29/1997	F	25	N/A	N/A	E	5	8/29/2011	No change in status
<i>Alani (Melicope pallida)</i>	1	2/25/1994	9/20/1995	F	26	N/A	N/A	E	5	8/27/2010	No change in status
<i>Alani (Melicope paniculata)</i>	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	not yet initiated
<i>Alani (Melicope puberula)</i>	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	not yet initiated
<i>Alani (Melicope quadrangularis)</i>	1	2/25/1994	9/20/1995	F	37	N/A	N/A	E	5	8/27/2010	No change in status
<i>Alani (Melicope reflexa)</i>	1	10/8/1992	9/26/1996	F	17	N/A	N/A	E	8	8/2/2011	No change in status
<i>Alani (Melicope saint-johnii)</i>	1	10/10/1996	8/10/1998	F	21	N/A	N/A	E	8	8/29/2011	No change in status
<i>Alani (Melicope zahlbruckneri)</i>	1	10/10/1996	9/26/1996	F	27	N/A	N/A	E	2	1/18/2008	No change in status
<i>Allocarya, Calistoga (Plagiobothrys strictus)</i>	8	10/22/1997	N/A	N/A	N/A	N/A	N/A	E	5C	2/16/2010	No change in status
<i>Alopecurus, Sonoma (Alopecurus aequalis var. sonomensis)</i>	8	10/22/1997	N/A	N/A	N/A	N/A	N/A	E	9	9/8/2011	No change in status
<i>Amaranth, seabeach (Amaranthus pumilus)</i>	4	4/7/1993	11/12/1996	F	11	N/A	N/A	T	8C	6/4/2007	No change in status

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

## Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
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 in status
Ambrosia, south Texas ( <i>Ambrosia cheiranthifolia</i> )	2	8/24/1994	N/A	N/A	18	N/A	N/A	E	8	12/30/2010	No change in 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 in status
Amphianthus, little ( <i>Amphianthus pusillus</i> )	4	2/5/1988	7/7/1993	F	9	N/A	N/A	T	13	9/30/2008	No change in status
ˆAnaunau ( <i>Lepidium arbuscula</i> )	1	10/10/1996	8/10/1998	F	21	N/A	N/A	E	8	7/21/2009	No change in status*
ˆAnunu ( <i>Sicyos alba</i> )	1	10/10/1996	9/26/1996	F	27	9,395,000**	20	E	2	8/28/2012	No change in status
Arrowhead, bunched ( <i>Sagittaria fasciculata</i> )	4	8/31/1979	9/8/1983	F	12	N/A	N/A	E	5C	N/A	*
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 in status
Aster, Florida golden ( <i>Chrysopsis floridana</i> )	4	5/16/1986	8/29/1988	F	13	N/A	N/A	E	8	5/14/2009	Reclassify to T
Aster, Ruth's golden ( <i>Pityopsis ruthii</i> )	4	7/18/1985	6/11/1992	F	13	162,500	6	E	5C	4/23/2012	No change in status
Aupaka ( <i>Isodendrion hosakae</i> )	1	1/14/1991	5/23/1994	F	7	N/A	N/A	E	5	8/28/2012	No change in status
Aupaka ( <i>Isodendrion laurifolium</i> )	1	10/10/1996	7/10/1999	F	18	33,900,000**	11	E	8	7/21/2009	No change in status*
Aupaka ( <i>Isodendrion longifolium</i> )	1	10/10/1996	7/10/1999	F	19	33,900,000**	11	T	8	8/2/2011	No change in status
Avens, spreading ( <i>Geum radiatum</i> )	4	4/5/1990	4/28/1993	F	15	N/A	N/A	E	2	N/A	*
ˆAwikiwiki ( <i>Canavalia molokaiensis</i> )	1	10/8/1992	9/26/1996	F	16	24,784,000**	N/A	E	2	8/2/2011	No change in status
ˆAwikiwiki ( <i>Canavalia napaliensis</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	not yet initiated
Awiwi ( <i>Centaurium sebaeoides</i> )	1	10/29/1991	7/10/1999	F	19	33,900,000**	11	E	2	8/27/2010	No change in status*
Awiwi ( <i>Hedyotis cookiana</i> )	1	2/25/1994	9/20/1995	F	35	N/A	N/A	E	5	8/27/2010	No change in status
Ayenia, Texas ( <i>Ayenia limitaris</i> )	2	8/24/1994	N/A	N/A	N/A	N/A	N/A	E	8C	6/2/2010	No change in 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 in status
Barberry, island ( <i>Berberis pinnata ssp. insularis</i> )	8	7/31/1997	9/26/2000	F	3	51,920,000**	40	E	6	7/10/2008	No change in status*

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012



## Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
Barberry, Nevin's ( <i>Berberis nevinii</i> )	8	10/13/1998	N/A	N/A	N/A	N/A	N/A	E	2	8/14/2009	No change in status
Bariaco ( <i>Trichilia triacantha</i> )	4	2/5/1988	8/20/1991	F	11	N/A	N/A	E	11	8/21/2012	No change in 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 in status
beardtongue, Parachute ( <i>Penstemon debilis</i> )	6	8/26/2011	N/A	N/A	N/A	N/A	N/A	T	8C	N/A	not yet initiated
Beardtongue, Penland ( <i>Penstemon penlandii</i> )	6	7/13/1989	9/30/1992	F	10	N/A	N/A	E	14	N/A	not yet initiated
Beargrass, Britton's ( <i>Nolina brittoniana</i> )	4	4/27/1993	6/20/1996	RF(1)	23	N/A	N/A	E	8	5/10/2010	No change in status
Bear-poppy, Dwarf ( <i>Arctomecon humilis</i> )	6	12/6/1979	12/31/1985	F	17	N/A	N/A	E	5C	N/A	*
Beauty, Harper's ( <i>Harperocalis flava</i> )	4	11/1/1979	9/14/1983	F	15	N/A	N/A	E	7C	9/11/2009	No change in status
Bedstraw, El Dorado ( <i>Galium californicum ssp. sierrae</i> )	8	10/18/1996	12/11/2002	F	18	N/A	N/A	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 in status
Bellflower, Brooksville ( <i>Campanula robinsiae</i> )	4	7/27/1989	6/20/1994	F	10	217,000**	9	E	8	5/10/2010	No change in 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 in 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 in 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 in status
Bird's-beak, salt marsh ( <i>Cordylanthus maritimus ssp. maritimus</i> )	8	10/29/1978	12/6/1985	F	34	N/A	N/A	E	9	8/13/2009	No change in status
Bird's-beak, soft ( <i>Cordylanthus mollis ssp. mollis</i> )	8	11/20/1997	2/10/2010	D	1	1,295,890,960**	50	E	9C	2/11/2009	No change in status
Birds-in-a-nest, white ( <i>Macbridea alba</i> )	4	5/8/1992	6/22/1994	F	8	N/A	N/A	T	8C	3/10/2009	No change in status
Bittercress, small-anthered ( <i>Cardamine micranthera</i> )	4	9/21/1989	7/10/1991	F	8	N/A	N/A	E	5	N/A	*
Bladderpod, Dudley Bluffs ( <i>Lesquerella congesta</i> )	6	2/6/1990	8/13/1993	F	14	N/A	N/A	T	8C	6/20/2008	No change in 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	not yet initiated
Bladderpod, lyrate ( <i>Lesquerella lyrata</i> )	4	9/28/1990	10/17/1996	F	5	N/A	N/A	T	8	4/8/2009	No change in status

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
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 in 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 in status
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 in status
Bladderpod, white ( <i>Lesquerella pallida</i> )	2	3/11/1987	10/16/1992	F	17	N/A	N/A	E	2	N/A	*
Bladderpod, Zapata ( <i>Lesquerella thamnophila</i> )	2	11/22/1999	8/25/2004	F	6	N/A	N/A	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	N/A	N/A	T	8	N/A	*
Blazingstar, scrub ( <i>Liatris ohlingerae</i> )	4	7/27/1989	5/18/1999	F	21	N/A	N/A	E	2	8/16/2010	No change in status
Bluecurls, Hidden Lake ( <i>Trichostema austromontanum</i> ssp. <i>compactum</i> )	8	9/14/1998	N/A	N/A	21	N/A	N/A	T	15	7/28/2006	No change in status*
Bluegrass, Hawaiian ( <i>Poa sandvicensis</i> )	1	5/13/1992	9/20/1995	F	62	N/A	N/A	E	5	8/27/2010	No change in status
Bluegrass, Mann's ( <i>Poa mannii</i> )	1	11/10/1994	9/20/1995	F	60	N/A	N/A	E	5	8/27/2010	No change in 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 in 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 in status*
Blue-star, Kearney's ( <i>Amsonia kearneyana</i> )	2	1/19/1989	5/24/1993	F	6	N/A	N/A	E	2	N/A	*
Bluet, Roan Mountain ( <i>Hedyotis purpurea</i> var. <i>montana</i> )	4	4/5/1990	5/13/1996	F	20	N/A	N/A	E	6	N/A	*
Bonamia, Florida ( <i>Bonamia grandiflora</i> )	4	11/2/1987	6/20/1996	RF(1)	23	N/A	N/A	T	8	8/28/2008	No change in status
Boxwood, Vahl's ( <i>Buxus vahlii</i> )	4	8/13/1985	4/28/1987	F	11	N/A	N/A	E	11	N/A	*
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 in 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 in status
Broom, San Clemente Island ( <i>Lotus dendroideus</i> ssp. <i>traskiae</i> )	8	9/12/1977	1/26/1984	F	27	N/A	N/A	E	15	7/10/2012	Reclassify to T
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 in status

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

## Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
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 in status
Buckwheat, scrub ( <i>Eriogonum longifolium</i> var. <i>gnaphalifolium</i> )	4	4/27/1993	6/20/1996	RF(1)	22	N/A	N/A	T	15	7/23/2008	No change in status
Buckwheat, steamboat ( <i>Eriogonum ovalifolium</i> var. <i>williamsiae</i> )	8	7/8/1986	9/20/1995	F	9	N/A	N/A	E	3	4/1/2009	No change in status
Bulrush, Northeastern ( <i>Scirpus ancistrochaetus</i> )	5	5/7/1991	8/25/1993	F	11	N/A	N/A	E	14	9/24/2009	No change in status*
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	27	N/A	N/A	E	8C	7/10/2012	No change in 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	9/25/2007	No change in status*
Buttercup, autumn ( <i>Ranunculus aestivalis</i> (= <i>acriformis</i> ))	6	7/21/1989	9/16/1991	F	18	400,000	10	E	5	N/A	*
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	9C	N/A	*
Butterweed, Layne's ( <i>Senecio layneae</i> )	8	10/18/1996	12/11/2002	F	21	41,518,600**	60	T	5C	N/A	*
Butterwort, Godfrey's ( <i>Pinguicula ionantha</i> )	4	7/12/1993	6/22/1994	F	9	N/A	N/A	T	8C	7/8/2009	No change in status
Button-celery, San Diego ( <i>Eryngium aristulatum</i> var. <i>parishii</i> )	8	8/3/1993	9/3/1998	F	10	N/A	N/A	E	9C	9/1/2010	No change in status
Button, Mohr's Barbara ( <i>Marshallia mohrii</i> )	4	9/7/1988	11/26/1991	F	9	N/A	N/A	T	14	N/A	*
Cactus, Arizona hedgehog ( <i>Echinocereus triglochidiatus</i> var. <i>arizonicus</i> )	2	11/26/1979	9/30/1984	D	N/A	N/A	N/A	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 in status
Cactus, black lace ( <i>Echinocereus reichenbachii</i> var. <i>albertii</i> )	2	11/28/1979	3/18/1987	F	8	N/A	N/A	E	3	3/26/2009	No change in status
Cactus, Brady pincushion ( <i>Pediocactus bradyi</i> )	2	11/26/1979	3/28/1985	F	10	N/A	N/A	E	2	8/31/2012	No change in status
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 robbinsorum</i> )	2	1/9/1986	9/27/1993	F	6	276,000	10	T	8	3/20/2007	No change in 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
Cactus, Key tree ( <i>Pilosocereus robinii</i> )	4	7/19/1984	5/18/1999	F	35	N/A	N/A	E	5C	8/27/2010	No change in status

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
Cactus, Knowlton's ( <i>Pediocactus knowltonii</i> )	2	11/28/1979	3/29/1985	F	5	N/A	N/A	E	2	2/4/2010	No change in status
Cactus, Kuenzler hedgehog ( <i>Echinocereus fendleri</i> var. <i>kuenzleri</i> )	2	11/28/1979	3/28/1985	F	10	N/A	N/A	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	N/A	N/A	T	3	N/A	*
Cactus, Lloyd's Mariposa ( <i>Echinomastus mariposensis</i> )	2	12/6/1979	4/13/1990	F	2	N/A	N/A	T	2	N/A	*
Cactus, Mesa Verde ( <i>Sclerocactus mesae-verdae</i> )	2	11/29/1979	3/30/1984	F	9	N/A	N/A	T	11C	1/29/2011	No change in status
Cactus, Nellie cory ( <i>Coryphantha minima</i> )	2	12/8/1979	9/20/1984	F	1	N/A	N/A	E	2	2/10/2012	No change in status
Cactus, Nichol's Turk's head ( <i>Echinocactus horizonthalonius</i> var. <i>nicholii</i> )	2	11/28/1979	4/14/1986	F	8	N/A	N/A	E	3	7/27/2009	No change in 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
Cactus, Peebles Navajo ( <i>Pediocactus peeblesianus</i> var. <i>peeblesianus</i> )	2	11/28/1979	3/30/1984	F	13	N/A	N/A	E	6	8/28/2008	No change in 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 in status
Cactus, San Rafael ( <i>Pediocactus despainii</i> )	6	9/16/1987	10/2/1995	D	11	N/A	15	E	11	N/A	*
Cactus, Siler pincushion ( <i>Pediocactus</i> (=Echinocactus,=Utahia) <i>sileri</i> )	2	11/26/1979	4/14/1986	F	9	N/A	N/A	T	8	11/18/2008	No change in status
Cactus, Sneed pincushion ( <i>Coryphantha sneedii</i> var. <i>sneedii</i> )	2	12/7/1979	3/21/1986	F	12	N/A	N/A	E	9	N/A	*
Cactus, star ( <i>Astrophytum asterias</i> )	2	10/18/1993	11/6/2003	F	17	N/A	N/A	E	2C	N/A	*
Cactus, Tobusch fishhook ( <i>Ancistrocactus tobuschii</i> )	2	12/8/1979	3/18/1987	F	18	N/A	N/A	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
Cactus, Winkler ( <i>Pediocactus winkleri</i> )	6	8/20/1998	10/2/1995	D	11	N/A	15	T	11C	N/A	*
Cactus, Wright fishhook ( <i>Sclerocactus wrightiae</i> )	6	10/11/1979	12/24/1985	F	13	N/A	N/A	E	11	8/25/2008	No change in status
Campion, fringed ( <i>Silene polypetala</i> )	4	1/18/1991	10/1/1996	D	9	N/A	N/A	E	8	N/A	*
Capa rosa ( <i>Callicarpa ampla</i> )	4	4/22/1992	7/31/1995	F	8	N/A	N/A	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 in status

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

## Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
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 ferrisae</i> )	8	2/3/1995	9/30/1998	F	13	172,940,000**	30	E	14	9/8/2011	No change in status
Ceanothus, Pine Hill ( <i>Ceanothus roderickii</i> )	8	10/18/1996	12/11/2002	F	18	41,514,600**	100	E	5C	N/A	*
Ceanothus, Vail Lake ( <i>Ceanothus ophiochilus</i> )	8	10/13/1998	N/A	N/A	N/A	N/A	N/A	T	2	7/10/2008	No change in 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 in status
Chaff-flower, round-leaved ( <i>Achyranthes splendens</i> var. <i>rotundata</i> )	1	3/26/1986	10/5/1993	D	3	N/A	N/A	E	3	7/22/2009	No change in status*
Chaffseed, American ( <i>Schwalbea americana</i> )	5	9/29/1992	9/29/1995	F	13	N/A	N/A	E	7	8/13/2010	No change in 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 in status
Checker-mallow, Kenwood Marsh ( <i>Sidalcea oregana</i> ssp. <i>valida</i> )	8	10/22/1997	N/A	N/A	N/A	N/A	N/A	E	3C	6/15/2009	No change in status
Checker-mallow, Nelson's ( <i>Sidalcea nelsoniana</i> )	1	2/12/1993	6/29/2010	F	29	16,590,000**	25	T	2	7/11/2012	No change in status
Checker-mallow, pedate ( <i>Sidalcea pedata</i> )	8	8/31/1984	7/31/1998	F	17	N/A	N/A	E	5C	3/18/2011	No change in status
Checkermallow, Wenatchee Mountains ( <i>Sidalcea oregana</i> var. <i>calva</i> )	1	12/22/1999	9/30/2004	F	20	896,000	13	E	3	9/30/2011	No change in 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 in status
Chupacallos ( <i>Pleodendron macranthum</i> )	4	11/25/1994	9/11/1998	F	3	N/A	N/A	E	8	N/A	*
Clarkia, Pismo ( <i>Clarkia speciosa</i> ssp. <i>immaculata</i> )	8	12/15/1994	9/28/1998	F	N/A	N/A	N/A	E	6C	8/17/2009	No change in 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 in 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 in status
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 in status
Cliff-rose, Arizona ( <i>Purshia</i> (= <i>Cowania</i> ) <i>subintegra</i> )	2	5/29/1984	6/16/1995	F	21	N/A	N/A	E	2	N/A	*
Clover, Monterey ( <i>Trifolium trichocalyx</i> )	8	8/12/1998	6/17/2005	F	4	N/A	12	E	5C	9/16/2009	No change in status
Clover, running buffalo ( <i>Trifolium stoloniferum</i> )	3	6/5/1987	6/27/2007	RF(1)	6	1,193,000	15	E	8	5/6/2011	Reclassify to T

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
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 in status
Cobana negra ( <i>Stahlia monosperma</i> )	4	4/5/1990	11/1/1996	F	9	N/A	19	T	8	N/A	*
Coneflower, smooth ( <i>Echinacea laevigata</i> )	4	10/8/1992	4/18/1995	F	10	N/A	N/A	E	5	8/2/2011	Reclassify to T
Cory cactus, bunched ( <i>Coryphantha ramillosa</i> )	2	12/6/1979	4/13/1990	F	3	N/A	N/A	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 in status
Crownscale, San Jacinto Valley ( <i>Atriplex coronata</i> var. <i>notatior</i> )	8	10/13/1998	N/A	N/A	N/A	N/A	N/A	E	9C	8/17/2012	No change in status
Cycladenia, Jones ( <i>Cycladenia jonesii</i> (=humilis))	6	5/5/1986	N/A	N/A	N/A	N/A	N/A	T	12C	N/A	not yet initiated
Daisy, lakeside ( <i>Hymenoxys herbacea</i> )	3	6/23/1988	9/19/1990	F	11	1,591,600	14	T	8	3/4/2010	No change in status
Daisy, Parish's ( <i>Erigeron parishii</i> )	8	8/24/1994	9/30/1997	D	7	780,000**	15	T	8C	8/13/2009	No change in status
Daisy, Willamette ( <i>Erigeron decumbens</i> var. <i>decumbens</i> )	1	1/25/2000	6/29/2010	F	29	16,590,000**	25	E	3C	9/30/2010	No change in status
Dawn-flower, Texas prairie ( <i>Hymenoxys texana</i> )	2	3/13/1986	4/13/1990	F	14	N/A	N/A	E	5C	N/A	*
Desert-parsley, Bradshaw's ( <i>Lomatium bradshawii</i> )	1	9/30/1988	6/29/2010	F	28	16,590,000**	25	E	5	9/24/2009	No change in status
Dogweed, ashy ( <i>Thymophylla tephroleuca</i> )	2	7/19/1984	7/29/1988	F	10	N/A	N/A	E	5	10/7/2011	No change in status
Dropwort, Canby's ( <i>Oxypolis canbyi</i> )	4	2/25/1986	4/10/1990	F	11	N/A	N/A	E	5	9/13/2010	No change in status
Dudleya, Conejo ( <i>Dudleya abramsii</i> ssp. <i>parva</i> )	8	1/29/1997	9/30/1999	F	4	1,338,000**	18	T	2C	3/31/2009	No change in status
Dudleya, marcescent ( <i>Dudleya cymosa</i> ssp. <i>marcescens</i> )	8	1/29/1997	9/30/1999	F	4	1,338,000**	18	T	9	8/14/2009	No change in status
Dudleya, Santa Clara Valley ( <i>Dudleya setchellii</i> )	8	2/3/1995	9/30/1998	F	16	172,940,000**	30	E	2C	N/A	*
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 in status
Dudleya, Verity's ( <i>Dudleya verityi</i> )	8	1/29/1997	9/30/1999	F	3	1,338,000**	18	T	2C	8/17/2009	No change in 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**	18	T	6	11/13/2009	No change in 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 in status

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

## Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
<i>Erubia (Solanum drymophilum)</i>	4	8/26/1988	7/9/1992	F	5	N/A	N/A	E	2C	N/A	*
Evening-primrose, Antioch Dunes ( <i>Oenothera deltoides ssp. howellii</i> )	8	5/27/1978	4/25/1984	RF(1)	20	N/A	N/A	E	3	7/10/2008	No change in status*
Evening-primrose, Eureka Valley ( <i>Oenothera avita ssp. eurekaensis</i> )	8	5/27/1978	12/13/1982	F	34	N/A	N/A	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 in status*
Fiddleneck, large-flowered ( <i>Amsinckia grandiflora</i> )	8	5/8/1985	9/29/1997	F	21	N/A	N/A	E	5	2/4/2009	No change in 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 in status
Flannelbush, Pine Hill ( <i>Fremontodendron californicum ssp. decumbens</i> )	8	10/18/1996	12/11/2002	F	15	N/A	60	E	6C	N/A	*
Fleabane, Zuni ( <i>Erigeron rhizomatus</i> )	2	4/26/1985	9/30/1988	F	7	N/A	N/A	T	14	9/27/2007	No change in 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 in status
Frankenia, Johnston's ( <i>Frankenia johnstonii</i> )	2	8/7/1984	5/24/1988	F	15	112,500	0	E	14	N/A	not yet initiated
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 in status
Fringe-tree, pygmy ( <i>Chionanthus pygmaeus</i> )	4	1/21/1987	5/18/1999	F	13	N/A	N/A	E	2	8/17/2010	No change in 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	N/A	N/A	E	2	1/18/2008	No change in status*
Geranium, Hawaiian red-flowered ( <i>Geranium arboreum</i> )	1	5/13/1992	7/29/1997	F	25	N/A	N/A	E	2	8/29/2011	No change in status
Gerardia, sandplain ( <i>Agalinis acuta</i> )	5	9/7/1988	9/20/1989	F	17	N/A	N/A	E	5C	N/A	*
Gilia, Hoffmann's slender-flowered ( <i>Gilia tenuiflora ssp. hoffmannii</i> )	8	7/31/1997	9/26/2000	F	5	51,920,000**	40	E	6	7/14/2009	No change in status
Gilia, Monterey ( <i>Gilia tenuiflora ssp. arenaria</i> )	8	6/22/1992	9/29/1998	F	10	901,000**	N/A	E	9	3/31/2008	No change in status*
Goetzea, beautiful ( <i>Goetzea elegans</i> )	4	4/19/1985	4/28/1987	F	15	N/A	N/A	E	8	N/A	*
Goldenrod, Blue Ridge ( <i>Solidago spithamea</i> )	4	3/28/1985	10/28/1987	F	12	N/A	N/A	T	8	3/29/2012	No change in 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 in status

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

## Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
Goldenrod, Short's ( <i>Solidago shortii</i> )	4	9/5/1985	5/25/1988	F	17	N/A	N/A	E	8	10/25/2007	No change in status
Goldenrod, white-haired ( <i>Solidago albopilosa</i> )	4	4/7/1988	9/28/1993	F	10	305,300	10	T	8	3/3/2009	No change in 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 in status*
Goldfields, Contra Costa ( <i>Lasthenia conjugens</i> )	8	6/18/1997	3/7/2006	F	8	1,087,862,000**	58	E	5C	9/30/2008	No change in status*
Gooseberry, Miccosukee ( <i>Ribes echinellum</i> )	4	7/18/1985	N/A	N/A	N/A	N/A	N/A	T	11	7/15/2008	No change in status
Gourd, Okeechobee ( <i>Cucurbita okeechobeensis</i> ssp. <i>okeechobeensis</i> )	4	7/12/1993	5/18/1999	F	14	N/A	N/A	E	3	9/3/2009	No change in status
Grass, Colusa ( <i>Neostapfia colusana</i> )	8	3/26/1997	3/7/2006	F	9	1,087,862,000**	58	T	2C	7/10/2008	No change in status*
Grass, Eureka Dune ( <i>Swallenia alexandrae</i> )	8	5/27/1978	12/13/1982	F	34	N/A	N/A	E	13	9/24/2007	Delist due to recovery*
Grass, Solano ( <i>Tuctoria mucronata</i> )	8	9/29/1978	3/7/2006	F	9	1,087,862,000**	58	E	2	4/1/2009	No change in status
Grass, Tennessee yellow-eyed ( <i>Xyris tennesseensis</i> )	4	7/26/1991	6/24/1994	F	12	N/A	N/A	E	8	N/A	*
Ground-plum, Guthrie's (=Pyne's) ( <i>Astragalus bibullatus</i> )	4	9/26/1991	8/9/2011	F	12	2,710,000	14	E	2	10/20/2011	No change in status
Groundsel, San Francisco Peaks ( <i>Senecio franciscanus</i> )	2	11/22/1983	7/21/1987	F	7	N/A	N/A	T	8	10/22/2010	No change in status
Gumplant, Ash Meadows ( <i>Grindelia fraxinopratensis</i> )	8	5/20/1985	9/28/1990	F	5	7,345,000**	15	T	14	1/10/2008	No change in status*
Haha ( <i>Cyanea acuminata</i> )	1	10/10/1996	8/10/1998	F	22	N/A	N/A	E	11	7/21/2009	No change in status*
Haha ( <i>Cyanea asarifolia</i> )	1	2/25/1994	9/20/1995	F	39	N/A	N/A	E	5	4/8/2009	No change in status
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 in 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 in status
Haha ( <i>Cyanea dolichopoda</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	not yet initiated
Haha ( <i>Cyanea dunbarii</i> )	1	10/10/1996	9/26/1996	F	19	N/A	21	E	5	1/18/2008	No change in status*
Haha ( <i>Cyanea eleeleensis</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	not yet initiated
Haha ( <i>Cyanea glabra</i> )	1	9/3/1999	7/10/1999	F	23	33,900,000**	11	E	5	8/2/2011	No change in status

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012



## Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
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 in status
Haha ( <i>Cyanea grimesiana</i> ssp. <i>obatae</i> )	1	6/27/1994	8/10/1998	F	21	N/A	N/A	E	6	8/28/2012	No change in status
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 in 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	7/21/2009	No change in status*
Haha ( <i>Cyanea humboldtiana</i> )	1	10/10/1996	8/10/1998	F	22	N/A	N/A	E	5	8/2/2011	No change in status
Haha ( <i>Cyanea kolekoleensis</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	not yet initiated
Haha ( <i>Cyanea koolauensis</i> )	1	10/10/1996	8/10/1998	F	22	N/A	N/A	E	5	8/27/2010	No change in status*
Haha ( <i>Cyanea kuhihewa</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	not yet initiated
Haha ( <i>Cyanea lobata</i> )	1	5/15/1992	7/29/1997	F	27	N/A	N/A	E	2	8/2/2011	No change in status*
Haha ( <i>Cyanea longiflora</i> )	1	10/10/1996	8/10/1998	F	23	N/A	N/A	E	11	4/8/2009	No change in status
Haha ( <i>Cyanea macrostegia</i> ssp. <i>gibsonii</i> )	1	9/20/1991	9/29/1995	F	29	N/A	N/A	E	6	1/18/2008	No change in status*
Haha ( <i>Cyanea mannii</i> )	1	10/8/1992	9/26/1996	F	16	N/A	21	E	2	8/2/2011	No change in status
Haha ( <i>Cyanea mceldowneyi</i> )	1	5/15/1992	7/29/1997	F	25	N/A	N/A	E	2	1/18/2008	No change in status*
Haha ( <i>Cyanea pinnatifida</i> )	1	10/29/1991	8/10/1998	F	22	N/A	N/A	E	5	8/28/2012	No change in status
Haha ( <i>Cyanea platyphylla</i> )	1	10/10/1996	9/26/1996	F	29	9,395,000**	20	E	2	8/28/2012	No change in status
Haha ( <i>Cyanea procera</i> )	1	10/8/1992	9/26/1996	F	18	N/A	21	E	5	1/18/2008	No change in status*
Haha ( <i>Cyanea recta</i> )	1	10/10/1996	9/20/1995	F	39	N/A	N/A	T	2	8/27/2010	No change in status
Haha ( <i>Cyanea remyi</i> )	1	10/10/1996	9/20/1995	F	39	N/A	N/A	E	2	8/27/2010	No change in 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 in 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 in status
Haha ( <i>Cyanea st.-johnii</i> )	1	10/10/1996	8/10/1998	F	22	N/A	N/A	E	5	8/28/2012	No change in status

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
Haha ( <i>Cyanea superba</i> )	1	9/11/1991	8/10/1998	F	23	N/A	N/A	E	5	8/28/2012	No change in status
Haha ( <i>Cyanea truncata</i> )	1	3/28/1994	8/10/1998	F	21	N/A	N/A	E	5	8/28/2012	No change in status
Haha ( <i>Cyanea undulata</i> )	1	9/20/1991	5/31/1994	F	31	N/A	N/A	E	11	1/18/2008	No change in status
Ha`iwale ( <i>Cyrtandra crenata</i> )	1	3/28/1994	8/10/1998	F	21	N/A	N/A	E	5	8/2/2011	No change in status
Ha`iwale ( <i>Cyrtandra dentata</i> )	1	10/10/1996	8/10/1998	F	21	N/A	N/A	E	8	8/28/2012	No change in status
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 in status
Ha`iwale ( <i>Cyrtandra limahuliensis</i> )	1	2/25/1994	9/20/1995	F	27	N/A	N/A	T	14	8/27/2010	No change in status
Ha`iwale ( <i>Cyrtandra munroi</i> )	1	5/15/1992	9/29/1995	F	38	N/A	N/A	E	5	8/2/2011	No change in 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	not yet initiated
Haiwale ( <i>Cyrtandra paliku</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	not yet initiated
Ha`iwale ( <i>Cyrtandra polyantha</i> )	1	3/28/1994	8/10/1998	F	21	N/A	N/A	E	5	4/8/2009	No change in status*
Ha`iwale ( <i>Cyrtandra subumbellata</i> )	1	10/10/1996	8/10/1998	F	21	N/A	N/A	E	8	1/18/2008	No change in 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 in status
Ha`iwale ( <i>Cyrtandra viridiflora</i> )	1	10/10/1996	8/10/1998	F	22	N/A	N/A	E	5	4/8/2009	No change in status*
Hala pepe ( <i>Pleomele hawaiiensis</i> )	1	10/10/1996	9/26/1996	F	31	9,395,000**	20	E	2	8/28/2012	No change in status
Harebells, Avon Park ( <i>Crotalaria avonensis</i> )	4	4/27/1993	5/18/1999	F	17	N/A	N/A	E	5C	7/13/2007	No change in status
Harperella ( <i>Ptilimnium nodosum</i> )	5	9/28/1988	3/5/1991	F	23	N/A	N/A	E	8	N/A	*
Hau kuahiwi ( <i>Hibiscadelphus giffardianus</i> )	1	10/10/1996	9/26/1996	F	26	9,395,000**	20	E	5	1/18/2008	No change in status
Hau kuahiwi ( <i>Hibiscadelphus hualalaiensis</i> )	1	10/10/1996	9/26/1996	F	30	9,395,000**	20	E	5	1/18/2008	No change in status
Hau kuahiwi ( <i>Hibiscadelphus woodii</i> )	1	10/10/1996	9/20/1995	F	37	N/A	N/A	E	5	8/28/2012	No change in 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 in status

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
Heather, mountain golden ( <i>Hudsonia montana</i> )	4	10/20/1980	9/14/1983	F	15	N/A	N/A	T	8	N/A	*
Heau ( <i>Exocarpos luteolus</i> )	1	2/25/1994	9/20/1995	F	28	N/A	N/A	E	5	8/27/2010	No change in status
Hedyotis, Na Pali beach ( <i>Hedyotis st.-johnii</i> )	1	9/30/1991	9/20/1995	F	60	N/A	N/A	E	8	7/21/2009	No change in status
Hibiscus, Clay's ( <i>Hibiscus clayi</i> )	1	2/25/1994	9/20/1995	F	69	N/A	N/A	E	5	1/18/2008	No change in status
Higuero de sierra ( <i>Crescentia portoricensis</i> )	4	12/4/1987	9/23/1991	F	13	N/A	N/A	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	not yet initiated
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 in status
Holly, Cook's ( <i>Ilex cookii</i> )	4	6/16/1987	1/31/1991	F	3	N/A	N/A	E	5	N/A	*
Honohono ( <i>Haplostachys haplostachya</i> )	1	11/29/1979	9/20/1993	D	N/A	N/A	N/A	E	2	8/28/2012	No change in status
Howellia, water ( <i>Howellia aquatilis</i> )	6	7/14/1994	9/24/1996	D	23	624,000	9	T	7	N/A	*
Hypericum, highlands scrub ( <i>Hypericum cumulicola</i> )	4	1/21/1987	5/18/1999	F	20	N/A	N/A	E	2	9/5/2008	No change in status
Iagu, Hayun =(Guam), Tronkon guafi (Rota) ( <i>Serianthes nelsonii</i> )	1	2/18/1987	2/2/1994	F	36	N/A	N/A	E	2	8/28/2012	No change in status
Iliau, dwarf ( <i>Wilkesia hobdyi</i> )	1	6/22/1992	9/20/1995	F	60	N/A	N/A	E	2	8/27/2010	No change in status
Indian paintbrush, San Clemente Island ( <i>Castilleja grisea</i> )	8	9/12/1977	1/26/1984	F	27	N/A	N/A	E	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 in status
Iris, dwarf lake ( <i>Iris lacustris</i> )	3	9/28/1988	5/30/2012	D	3	356,000	16	T	8C	8/4/2011	No change in status
Irisette, white ( <i>Sisyrinchium dichotomum</i> )	4	9/26/1991	4/10/1995	F	10	N/A	N/A	E	8C	N/A	*
Ischaemum, Hilo ( <i>Ischaemum byrone</i> )	1	3/4/1994	9/26/1996	F	61	9,395,000**	20	E	5	8/27/2010	No change in status
Ivesia, Ash Meadows ( <i>Ivesia kingii var. eremica</i> )	8	5/20/1985	9/28/1990	F	4	7,345,000**	15	T	8	N/A	*
Jacquemontia, beach ( <i>Jacquemontia reclinata</i> )	4	11/24/1993	5/18/1999	F	30	N/A	N/A	E	2	5/30/2007	No change in status
Jewelflower, California ( <i>Caulanthus californicus</i> )	8	7/19/1990	9/30/1998	F	17	40,104,000**	20	E	2	N/A	*

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
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	N/A	*
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 in status
Joint-vetch, sensitive ( <i>Aeschynomene virginica</i> )	5	5/20/1992	9/29/1995	F	13	662,000	20	T	2	N/A	*
Kamakahala ( <i>Labordia cyrtandrae</i> )	1	10/10/1996	8/10/1998	F	22	N/A	N/A	E	5	1/18/2008	No change in status*
Kamakahala ( <i>Labordia helleri</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	2	N/A	not yet initiated
Kamakahala ( <i>Labordia lydgatei</i> )	1	9/20/1991	5/31/1994	F	38	N/A	N/A	E	11	6/2/2009	No change in status
Kamakahala ( <i>Labordia pumila</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	2	N/A	not yet initiated
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 in status
Kamakahala ( <i>Labordia tinifolia</i> var. <i>wahiawaensis</i> )	1	10/10/1996	9/20/1995	F	37	N/A	N/A	E	6	6/2/2009	No change in status
Kamakahala ( <i>Labordia triflora</i> )	1	9/3/1999	7/10/1999	F	22	33,900,000**	11	E	5	1/18/2008	No change in status*
Kamanomano ( <i>Cenchrus agrimonioides</i> )	1	10/10/1996	7/10/1999	F	20	33,900,000**	11	E	5	7/21/2009	No change in status*
Kauai hau kuahiwi ( <i>Hibiscadelphus distans</i> )	1	4/29/1986	6/5/1996	F	16	N/A	N/A	E	2	7/21/2009	No change in 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 in status
Kaulu ( <i>Pteralyxia kauaiensis</i> )	1	2/25/1994	9/20/1995	F	29	N/A	N/A	E	8	8/27/2010	No change in status
Kio`ele ( <i>Hedyotis coriacea</i> )	1	5/15/1992	7/29/1997	F	27	N/A	N/A	E	2	1/18/2008	No change in status
Kiponapona ( <i>Phyllostegia racemosa</i> )	1	10/10/1996	9/26/1996	F	29	9,395,000**	20	E	2	8/28/2012	No change in 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	1/18/2008	No change in status*
Koki`o, Cooke's ( <i>Kokia cookei</i> )	1	11/29/1979	5/27/1998	F	17	N/A	N/A	E	5	1/18/2008	No change in status*
Koki`o ke`oke`o ( <i>Hibiscus arnottianus</i> ssp. <i>immaculatus</i> )	1	10/8/1992	9/26/1996	F	17	9,395,000**	N/A	E	3	8/29/2011	No change in status
Koki`o ke`oke`o ( <i>Hibiscus waimeae</i> ssp. <i>hannerae</i> )	1	10/10/1996	9/20/1995	F	37	N/A	N/A	E	3	8/27/2010	No change in status
Koki`o ( <i>Kokia drynarioides</i> )	1	12/4/1984	5/6/1994	F	28	N/A	N/A	E	2	7/21/2009	No change in status

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
Koki`o ( <i>Kokia kauaiensis</i> )	1	10/10/1996	9/20/1995	F	38	N/A	N/A	E	5	8/27/2010	No change in status
Kolea ( <i>Myrsine juddii</i> )	1	10/10/1996	8/10/1998	F	20	N/A	N/A	E	8	1/18/2008	No change in status*
Kolea ( <i>Myrsine knudsenii</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	not yet initiated
Kolea ( <i>Myrsine linearifolia</i> )	1	10/10/1996	9/20/1995	F	26	N/A	N/A	T	2	8/27/2010	No change in status
Kolea ( <i>Myrsine mezii</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	not yet initiated
Ko`oko`olau ( <i>Bidens micrantha ssp. kalealaha</i> )	1	5/15/1992	7/29/1997	F	24	N/A	N/A	E	9	8/2/2011	No change in status
Ko`oko`olau ( <i>Bidens wiebkei</i> )	1	10/8/1992	9/26/1996	F	18	9,395,000**	N/A	E	2	8/2/2011	No change in status
Ko`oloa`ula ( <i>Abutilon menziesii</i> )	1	9/26/1986	9/29/1995	F	40	N/A	N/A	E	2	8/2/2011	No change in status
Kopa ( <i>Hedyotis schlechtendahlana var. remyi</i> )	1	9/3/1999	7/10/1999	F	20	33,900,000**	11	E	6	1/18/2008	No change in status*
Kopiko ( <i>Psychotria grandiflora</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	not yet initiated
Kopiko ( <i>Psychotria hobbyi</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	not yet initiated
Kuahiwi laukahi ( <i>Plantago hawaiiensis</i> )	1	3/4/1994	9/26/1996	F	30	9,395,000**	20	E	5	8/28/2012	No change in status
Kuahiwi laukahi ( <i>Plantago princeps</i> )	1	11/10/1994	7/10/1999	F	17	33,900,000**	11	E	5	8/27/2010	No change in status*
Kuawawaenuhu ( <i>Alsinidendron lychnoides</i> )	1	10/10/1996	9/20/1995	F	37	N/A	N/A	E	2	8/27/2010	No change in status
Kula wahine noho ( <i>Isodendron pyriformium</i> )	1	3/4/1994	9/26/1996	F	26	9,395,000**	20	E	2	1/18/2008	No change in status
Kulu`i ( <i>Nototrichium humile</i> )	1	10/29/1991	8/10/1998	F	21	N/A	N/A	E	8	1/18/2008	No change in status*
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	N/A	N/A	E	8C	8/26/2009	No change in status
Ladies'-tresses, Ute ( <i>Spiranthes diluvialis</i> )	6	1/17/1992	9/21/1995	D	16	N/A	N/A	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 in status
Larkspur, San Clemente Island ( <i>Delphinium variegatum ssp. kinkiense</i> )	8	9/12/1977	1/26/1984	F	28	N/A	N/A	E	15	3/31/2008	Reclassify to T*

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
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 in status
Lau `ehu ( <i>Panicum niihauense</i> )	1	10/10/1996	7/10/1999	F	17	33,900,000**	11	E	2	1/18/2008	No change in status
Lauhilihi ( <i>Schiedea stellarioides</i> )	1	10/10/1996	9/20/1995	F	38	N/A	N/A	E	2	8/27/2010	No change in status
Layia, beach ( <i>Layia carnosa</i> )	8	6/22/1992	9/29/1998	F	11	901,000**	N/A	E	8	1/27/2012	Reclassify to T
Lead-plant, Crenulate ( <i>Amorpha crenulata</i> )	4	7/18/1985	5/18/1999	F	21	N/A	N/A	E	5C	9/21/2007	No change in status
Leather flower, Alabama ( <i>Clematis socialis</i> )	4	9/26/1986	12/27/1989	F	16	N/A	N/A	E	5	7/12/2010	No change in status
Leather flower, Morefield's ( <i>Clematis morefieldii</i> )	4	5/20/1992	5/3/1994	F	8	N/A	N/A	E	8	9/14/2010	No change in status
lehua makanoe ( <i>Lysimachia daphnoides</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	2	N/A	not yet initiated
Lessingia, San Francisco ( <i>Lessingia germanorum</i> (=L.g. var. <i>germanorum</i> ))	8	6/19/1997	10/6/2003	F	14	N/A	27	E	2C	6/20/2012	No change in status
Liliwai ( <i>Acaena exigua</i> )	1	5/15/1992	7/29/1997	F	32	N/A	N/A	E	5	7/29/2009	No change in 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 in 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 in status
Lily, Western ( <i>Lilium occidentale</i> )	8	8/17/1994	3/31/1998	F	21	N/A	N/A	E	2	5/4/2009	No change in 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 in status
Liveforever, Santa Barbara Island ( <i>Dudleya traskiae</i> )	8	5/27/1978	6/27/1985	F	10	N/A	N/A	E	8	8/24/2012	No change in status
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	9/28/2009	No change in status*
Lomatium, Cook's ( <i>Lomatium cookii</i> )	1	11/7/2002	9/22/2006	D	33	2,613,000**	20	E	2C	9/27/2011	No change in status
Loosestrife, rough-leaved ( <i>Lysimachia asperulaefolia</i> )	4	6/12/1987	4/19/1995	F	13	N/A	N/A	E	8	N/A	*
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	not yet initiated
Lo`ulu ( <i>Pritchardia affinis</i> )	1	3/4/1994	9/26/1996	F	32	9,395,000**	20	E	5	8/28/2012	No change in status
Lo`ulu ( <i>Pritchardia kaalae</i> )	1	10/10/1996	8/10/1998	F	22	N/A	N/A	E	5	1/18/2008	No change in status*

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

## Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
Lo`ulu ( <i>Pritchardia munroi</i> )	1	10/8/1992	9/26/1996	F	19	24,784,000**	21	E	5	8/29/2011	No change in status*
Lo`ulu ( <i>Pritchardia napaliensis</i> )	1	10/10/1996	9/20/1995	F	38	N/A	N/A	E	5	8/27/2010	No change in 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 in status
Lo`ulu ( <i>Pritchardia schattaueri</i> )	1	10/10/1996	9/26/1996	F	29	9,395,000**	20	E	5	6/2/2009	No change in status
Lo`ulu ( <i>Pritchardia viscosa</i> )	1	10/10/1996	9/20/1995	F	38	N/A	N/A	E	5	1/18/2008	No change in status
Lousewort, Furbish ( <i>Pedicularis furbishiae</i> )	5	5/27/1978	7/2/1991	RF(1)	13	149,000	7	E	14	4/7/2007	No change in status*
Love grass, Fosberg's ( <i>Eragrostis fosbergii</i> )	1	10/10/1996	8/10/1998	F	21	N/A	N/A	E	5	8/2/2011	No change in status
Lupine, clover ( <i>Lupinus tidestromii</i> )	8	6/22/1992	9/29/1998	F	9	N/A	N/A	E	5	2/16/2010	No change in status
Lupine, Kincaid's ( <i>Lupinus sulphureus (=oreganus) ssp. kincaidii (=var. kincaidii)</i> )	1	1/25/2000	6/29/2010	F	34	16,590,000**	25	T	6C	9/29/2010	No change in 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 in status
Lupine, scrub ( <i>Lupinus aridorum</i> )	4	4/7/1987	6/20/1996	RF(1)	25	N/A	N/A	E	2C	11/27/2007	No change in status
Mahoe ( <i>Alectryon macrococcus</i> )	1	5/15/1992	7/29/1997	F	8	N/A	N/A	E	5	8/27/2010	No change in status*
Makou ( <i>Peucedanum sandwicense</i> )	1	2/25/1994	9/20/1995	F	26	N/A	N/A	T	8	8/28/2012	No change in 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 in 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 in status
Mallow, Kern ( <i>Eremalche kernensis</i> )	8	7/19/1990	9/30/1998	F	12	40,104,000**	20	E	2	N/A	*
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 in status
Manaca, palma de ( <i>Calyptronoma rivalis</i> )	4	2/6/1990	6/25/1992	F	13	N/A	33	T	8	9/18/2009	No change in status
Manioc, Walker's ( <i>Manihot walkerae</i> )	2	10/2/1991	12/12/1993	F	8	N/A	N/A	E	8C	6/4/2009	No change in 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 in 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

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
Manzanita, Morro ( <i>Arctostaphylos morroensis</i> )	8	12/15/1994	9/28/1998	F	7	N/A	N/A	T	8	3/31/2008	No change in status*
Manzanita, pallid ( <i>Arctostaphylos pallida</i> )	8	4/22/1998	4/7/2003	D	6	13,013,100**	N/A	T	5	4/29/2011	Reclassify to E
Manzanita, Presidio ( <i>Arctostaphylos hookeri</i> var. <i>ravenii</i> )	8	11/29/1979	10/6/2003	F	18	N/A	N/A	E	12	6/20/2012	No change in status
Manzanita, Santa Rosa Island ( <i>Arctostaphylos confertiflora</i> )	8	7/31/1997	9/26/2000	F	4	51,920,000**	40	E	2	1/10/2008	No change in status*
Ma`o hau hele, (=native yellow hibiscus) ( <i>Hibiscus brackenridgei</i> )	1	11/10/1994	7/10/1999	F	36	33,900,000**	11	E	2	7/21/2009	No change in status*
Ma`oli`oli ( <i>Schiedea apokremnos</i> )	1	9/30/1991	9/20/1995	F	28	N/A	N/A	E	8	8/27/2010	No change in status
Ma`oli`oli ( <i>Schiedea kealiae</i> )	1	10/10/1996	8/10/1998	F	20	N/A	N/A	E	8	8/27/2010	No change in status*
Mapele ( <i>Cyrtandra cyaneoides</i> )	1	10/10/1996	9/20/1995	F	38	N/A	N/A	E	2	8/27/2010	No change in 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 in status
Meadowfoam, Butte County ( <i>Limnanthes floccosa</i> ssp. <i>californica</i> )	8	6/8/1992	3/7/2006	F	13	1,087,862,000**	58	E	3C	7/10/2008	No change in status*
Meadowfoam, large-flowered woolly ( <i>Limnanthes floccosa</i> ssp. <i>grandiflora</i> )	1	11/7/2002	9/22/2006	D	29	2,613,000**	20	E	3C	9/27/2011	No change in status
Meadowfoam, Sebastopol ( <i>Limnanthes vinculans</i> )	8	12/2/1991	N/A	N/A	N/A	N/A	N/A	E	2C	9/30/2008	No change in status*
Meadowrue, Cooley's ( <i>Thalictrum cooleyi</i> )	4	2/7/1989	4/21/1994	F	15	N/A	N/A	E	2	1/8/2009	No change in status
Mehamehame ( <i>Flueggea neowawraea</i> )	1	11/10/1994	7/10/1999	F	21	33,900,000**	11	E	5	4/7/2009	No change in status*
Mesa-mint, Otay ( <i>Pogogyne nudiuscula</i> )	8	8/3/1993	9/3/1998	F	9	N/A	N/A	E	2C	9/1/2010	No change in status
Mesa-mint, San Diego ( <i>Pogogyne abramsii</i> )	8	10/29/1978	9/3/1998	F	9	N/A	N/A	E	8C	9/1/2010	No change in status
Milkpea, Small's ( <i>Galactia smallii</i> )	4	7/18/1985	5/18/1999	F	17	N/A	N/A	E	5C	7/15/2010	No change in status
Milk-vetch, Applegate's ( <i>Astragalus applegatei</i> )	8	7/28/1993	4/10/1998	F	19	N/A	N/A	E	5	2/4/2009	No change in 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 in status
Milk-vetch, Braunton's ( <i>Astragalus brauntonii</i> )	8	1/29/1997	9/30/1999	F	5	N/A	N/A	E	2	2/4/2009	No change in 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 in status

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012



## Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
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 in status
Milk-vetch, coastal dunes ( <i>Astragalus tener</i> var. <i>titi</i> )	8	8/12/1998	6/17/2005	F	2	N/A	N/A	E	6C	2/4/2009	No change in status
Milk-vetch, Cushenbury ( <i>Astragalus albens</i> )	8	8/24/1994	9/30/1997	D	7	N/A	15	E	8C	8/13/2009	No change in 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	15	N/A	17	T	9	2/4/2009	No change in status
Milk-vetch, heliotrope ( <i>Astragalus montii</i> )	6	11/6/1987	9/27/1995	D	2	N/A	10	T	8	N/A	not yet initiated
Milk-vetch, Holmgren ( <i>Astragalus holmgreniorum</i> )	6	9/28/2001	9/29/2006	F	26	18,839,000**	30	E	5C	4/21/2007	No change in status
Milk-vetch, Jesup's ( <i>Astragalus robbinsii</i> var. <i>jesupi</i> )	5	6/5/1987	11/21/1989	F	13	N/A	N/A	E	6	9/11/2009	No change in status
Milk-vetch, Lane Mountain ( <i>Astragalus jaegerianus</i> )	8	10/6/1998	N/A	N/A	N/A	N/A	N/A	E	8	7/10/2008	Reclassify to T*
Milk-vetch, Mancos ( <i>Astragalus humillimus</i> )	2	6/27/1985	12/20/1989	F	13	N/A	N/A	E	5C	8/22/2011	No change in status
milkvetch, Osterhout ( <i>Astragalus osterhoutii</i> )	6	7/13/1989	9/30/1992	F	10	N/A	N/A	E	8C	N/A	not yet initiated
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 in status*
Milk-vetch, Sentry ( <i>Astragalus cremnophylax</i> var. <i>cremnophylax</i> )	2	12/5/1990	9/28/2006	F	17	N/A	N/A	E	6	4/22/2009	No change in status
Milk-vetch, Shivwits ( <i>Astragalus ampullarioides</i> )	6	9/28/2001	9/29/2006	F	28	18,839,000**	30	E	5C	4/21/2007	No change in 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 in status
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 in status
Milkweed, Mead's ( <i>Asclepias meadii</i> )	3	9/1/1988	9/22/2003	F	19	5,930,000	30	T	8C	N/A	*
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	N/A	N/A	E	2C	9/3/2009	No change in status
Mint, Lakela's ( <i>Dicerandra immaculata</i> )	4	5/15/1985	5/18/1999	F	24	N/A	N/A	E	2C	9/25/2008	No change in status
Mint, longspurred ( <i>Dicerandra cornutissima</i> )	4	11/1/1985	7/1/1987	F	16	N/A	N/A	E	2C	9/10/2008	No change in status

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
Mint, scrub ( <i>Dicerandra frutescens</i> )	4	11/1/1985	5/18/1999	F	24	N/A	N/A	E	2	8/6/2009	No change in status
Monardella, willowy ( <i>Monardella viminea</i> )	8	10/13/1998	N/A	N/A	N/A	N/A	N/A	E	2	8/3/2012	No change in 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 in status
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	12/11/2002	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	N/A	N/A	E	8	2/4/2009	Reclassify to T*
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 in status*
Mustard, Carter's ( <i>Warea carteri</i> )	4	1/21/1987	5/18/1999	F	23	N/A	N/A	E	2	9/15/2008	No change in 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	17	N/A	N/A	E	5C	3/10/2011	No change in status
Na`ena`e ( <i>Dubautia herbstobatae</i> )	1	10/29/1991	8/10/1998	F	21	N/A	N/A	E	8	1/23/2008	No change in 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	not yet initiated
Naenae ( <i>Dubautia kalalauensis</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	not yet initiated
Naenae ( <i>Dubautia kenwoodii</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	not yet initiated
Na`ena`e ( <i>Dubautia latifolia</i> )	1	5/13/1992	9/20/1995	F	31	N/A	N/A	E	5	8/27/2010	No change in status
Na`ena`e ( <i>Dubautia pauciflorula</i> )	1	9/20/1991	5/31/1994	F	29	N/A	N/A	E	8	4/7/2009	No change in 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	not yet initiated
Na`ena`e ( <i>Dubautia plantaginea ssp. humilis</i> )	1	9/3/1999	7/10/1999	F	20	33,900,000**	11	E	8	7/21/2009	No change in 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	not yet initiated
Nani wai`ale`ale ( <i>Viola kauaiensis var. wahiawaensis</i> )	1	10/10/1996	9/20/1995	F	37	N/A	N/A	E	6	7/21/2009	No change in status
Nanu ( <i>Gardenia mannii</i> )	1	10/10/1996	8/10/1998	F	23	N/A	N/A	E	5	1/18/2008	No change in status*

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

## Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
Naupaka, dwarf ( <i>Scaevola coriacea</i> )	1	5/16/1986	7/29/1997	F	30	N/A	N/A	E	2	8/27/2010	No change in status*
Navarretia, few-flowered ( <i>Navarretia leucocephala</i> ssp. <i>pauciflora</i> (=N. <i>pauciflora</i> ))	8	6/18/1997	3/7/2006	F	9	1,087,862,000**	58	E	3	7/10/2008	No change in status*
Navarretia, many-flowered ( <i>Navarretia leucocephala</i> ssp. <i>pliantha</i> )	8	6/18/1997	3/7/2006	F	9	1,087,862,000**	58	E	3	2/4/2009	No change in status
Navarretia, spreading ( <i>Navarretia fossalis</i> )	8	10/13/1998	9/3/1998	F	9	N/A	N/A	T	8	8/10/2009	No change in status
Nehe ( <i>Lipochaeta fauriei</i> )	1	2/25/1994	9/20/1995	F	38	N/A	N/A	E	5	8/27/2010	No change in status
Nehe ( <i>Lipochaeta kamolensis</i> )	1	5/15/1992	7/29/1997	F	30	N/A	N/A	E	2	7/23/2009	No change in status*
Nehe ( <i>Lipochaeta lobata</i> var. <i>leptophylla</i> )	1	10/29/1991	8/10/1998	F	20	N/A	N/A	E	3	8/2/2011	No change in status
Nehe ( <i>Lipochaeta micrantha</i> )	1	2/25/1994	9/20/1995	F	9	N/A	N/A	E	8	8/28/2012	No change in status
Nehe ( <i>Lipochaeta tenuifolia</i> )	1	10/29/1991	8/10/1998	F	20	N/A	N/A	E	8	8/2/2011	No change in status
Nehe ( <i>Lipochaeta waimeaensis</i> )	1	2/25/1994	9/20/1995	F	37	N/A	N/A	E	2	8/27/2010	No change in status
Nioi ( <i>Eugenia koolauensis</i> )	1	3/28/1994	8/10/1998	F	20	N/A	N/A	E	5	1/18/2008	No change in 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 in status*
No common name ( <i>Abutilon eremitopetalum</i> )	1	9/20/1991	9/29/1995	F	37	N/A	N/A	E	2	8/27/2010	No change in status*
No common name ( <i>Abutilon sandwicense</i> )	1	10/29/1991	8/10/1998	F	22	N/A	N/A	E	8	8/2/2011	No change in status
No common name ( <i>Achyranthes mutica</i> )	1	10/10/1996	7/10/1999	F	30	33,900,000**	11	E	2	4/7/2009	No change in status
No common name ( <i>Alsinidendron obovatum</i> )	1	10/29/1991	8/10/1998	F	20	N/A	N/A	E	5	8/28/2012	No change in status
No common name ( <i>Alsinidendron trinerve</i> )	1	10/29/1991	8/10/1998	F	20	N/A	N/A	E	5	7/21/2009	No change in status*
No common name ( <i>Alsinidendron viscosum</i> )	1	10/10/1996	9/20/1995	F	37	N/A	N/A	E	2	7/21/2009	No change in status
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 in status
No common name ( <i>Aristida chaseae</i> )	4	4/27/1993	7/31/1995	F	14	N/A	N/A	E	8C	12/2/2010	No change in status

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

## Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
No common name ( <i>Auerodendron pauciflorum</i> )	4	3/2/1994	9/29/1997	F	3	N/A	28	E	5	8/27/2011	No change in status
No common name ( <i>Bonamia menziesii</i> )	1	11/10/1994	7/10/1999	F	33	33,900,000**	11	E	5	8/27/2010	No change in status*
No common name ( <i>Calyptranthes thomasiana</i> )	4	2/18/1994	9/30/1997	F	2	N/A	28	E	11	N/A	*
No common name ( <i>Catesbaea melanocarpa</i> )	4	3/17/1999	8/18/2005	F	12	521,000	10	E	5	4/26/2011	No change in status
No common name ( <i>Chamaecrista glandulosa</i> var. <i>mirabilis</i> )	4	4/5/1990	5/12/1994	F	2	N/A	31	E	5	N/A	*
No common name ( <i>Chamaesyce halemanui</i> )	1	5/13/1992	9/20/1995	F	69	N/A	N/A	E	5	8/27/2010	No change in status
No common name ( <i>Cordia bellonis</i> )	4	1/10/1997	10/1/1999	F	12	N/A	26	E	5	N/A	*
No common name ( <i>Cranichis ricartii</i> )	4	11/29/1991	7/15/1996	F	5	N/A	34	E	11	N/A	*
No common name ( <i>Cyanea (=Rollandia) crispa</i> )	1	3/28/1994	8/10/1998	F	21	N/A	N/A	E	5	4/8/2009	No change in status*
No common name ( <i>Daphnopsis hellerana</i> )	4	6/23/1988	8/7/1992	F	10	N/A	33	E	5	N/A	*
No common name ( <i>Delissea rhytidosperra</i> )	1	2/25/1994	9/20/1995	F	71	N/A	N/A	E	5	1/18/2008	No change in status
No common name ( <i>Delissea undulata</i> )	1	10/10/1996	9/26/1996	F	59	9,395,000**	20	E	5	8/28/2012	No change in status
No common name ( <i>Eugenia woodburyana</i> )	4	9/9/1994	10/6/1998	F	16	N/A	27	E	8	N/A	*
No common name ( <i>Gahnia lanaiensis</i> )	1	9/20/1991	9/29/1995	F	36	N/A	N/A	E	5	8/28/2012	Delist due to error
No common name ( <i>Geocarpon minimum</i> )	4	6/16/1987	7/26/1993	F	9	N/A	N/A	T	13	7/1/2009	No change in status
No common name ( <i>Gesneria pauciflora</i> )	4	3/7/1995	10/6/1998	F	6	N/A	27	T	11	N/A	*
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 in status
No common name ( <i>Gouania meyenii</i> )	1	10/29/1991	8/10/1998	F	20	N/A	N/A	E	8	8/27/2010	No change in status
No common name ( <i>Gouania vitifolia</i> )	1	6/27/1994	8/10/1998	F	20	N/A	N/A	E	5	8/28/2012	No change in status
No common name ( <i>Hedyotis degeneri</i> )	1	10/29/1991	8/10/1998	F	19	N/A	N/A	E	5	8/29/2012	No change in status
No common name ( <i>Hedyotis parvula</i> )	1	10/29/1991	8/10/1998	F	21	N/A	N/A	E	5	1/18/2008	No change in status*

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
No common name ( <i>Hesperomannia arborescens</i> )	1	3/28/1994	8/10/1998	F	21	N/A	N/A	E	5	4/7/2009	No change in status*
No common name ( <i>Hesperomannia arbuscula</i> )	1	10/29/1991	8/10/1998	F	20	N/A	N/A	E	5	4/7/2009	No change in status*
No common name ( <i>Hesperomannia lydgatei</i> )	1	9/20/1991	5/31/1994	F	38	N/A	N/A	E	11	8/27/2010	No change in status
No common name ( <i>Ilex sintenisii</i> )	4	4/22/1992	7/31/1995	F	8	N/A	35	E	11	N/A	*
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	not yet initiated
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	not yet initiated
No common name ( <i>Lepanthes eltoroensis</i> )	4	11/29/1991	7/15/1996	F	5	N/A	N/A	E	5	N/A	*
No common name ( <i>Leptocereus grantianus</i> )	4	2/26/1993	7/26/1995	F	14	N/A	N/A	E	5C	N/A	*
No common name ( <i>Lipochaeta venosa</i> )	1	11/29/1979	5/23/1994	F	9	N/A	N/A	E	5	8/28/2012	No change in status
No common name ( <i>Lobelia gaudichaudii ssp. koolauensis</i> )	1	10/10/1996	8/10/1998	F	22	N/A	N/A	E	6	7/21/2009	No change in status*
No common name ( <i>Lobelia monostachya</i> )	1	10/10/1996	8/10/1998	F	20	N/A	N/A	E	5	1/18/2008	No change in status*
No common name ( <i>Lobelia niihauensis</i> )	1	10/29/1991	8/10/1998	F	23	N/A	N/A	E	8	8/2/2011	No change in status
No common name ( <i>Lobelia oahuensis</i> )	1	3/28/1994	8/10/1998	F	21	N/A	N/A	E	5	8/2/2011	No change in status
No common name ( <i>Lyonia truncata var. proctorii</i> )	4	4/27/1993	7/31/1995	F	11	N/A	N/A	E	9	12/2/2010	No change in status
No common name ( <i>Lysimachia filifolia</i> )	1	2/25/1994	9/20/1995	F	67	N/A	N/A	E	2	7/21/2009	No change in 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	not yet initiated
No common name ( <i>Lysimachia lydgatei</i> )	1	5/15/1992	7/29/1997	F	30	N/A	N/A	E	2	8/2/2011	No change in status
No common name ( <i>Lysimachia maxima</i> )	1	10/10/1996	9/26/1996	F	17	N/A	N/A	E	5	1/18/2008	No change in 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	not yet initiated
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	not yet initiated
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	not yet initiated

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

## Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
No common name ( <i>Mariscus fauriei</i> )	1	3/4/1994	9/26/1996	F	59	9,395,000**	20	E	14	8/28/2012	No change in status
No common name ( <i>Mariscus pennatiformis</i> )	1	11/10/1994	7/10/1999	F	32	33,900,000**	11	E	5	8/27/2010	No change in status*
No common name ( <i>Mitracarpus maxwelliae</i> )	4	9/9/1994	10/6/1998	F	15	N/A	27	E	11	4/27/2011	No change in status
No common name ( <i>Mitracarpus polycladus</i> )	4	9/9/1994	10/6/1998	F	15	N/A	27	E	14	4/27/2011	Reclassify to T
No common name ( <i>Munroidendron racemosum</i> )	1	2/25/1994	9/20/1995	F	53	N/A	N/A	E	5	8/27/2010	No change in status
No common name ( <i>Myrcia paganii</i> )	4	2/18/1994	9/29/1997	F	3	N/A	28	E	8	N/A	*
No common name ( <i>Neraudia angulata</i> )	1	10/29/1991	8/10/1998	F	21	N/A	N/A	E	5	1/18/2008	No change in status*
No common name ( <i>Neraudia ovata</i> )	1	10/10/1996	9/26/1996	F	31	9,395,000**	20	E	5	1/18/2008	No change in status
No common name ( <i>Neraudia sericea</i> )	1	11/10/1994	7/10/1999	F	32	33,900,000**	11	E	5	8/28/2012	No change in status
No common name ( <i>Nesogenes rotensis</i> )	1	4/8/2004	5/3/2007	F	4	N/A	N/A	E	2	8/28/2012	No change in status
No common name ( <i>Osmoxylon mariannense</i> )	1	4/8/2004	5/3/2007	F	4	N/A	N/A	E	2	8/28/2012	No change in status
No common name ( <i>Phyllostegia glabra var. lanaiensis</i> )	1	9/20/1991	9/29/1995	F	33	N/A	N/A	E	6	8/28/2012	No change in status
No common name ( <i>Phyllostegia hirsuta</i> )	1	10/10/1996	8/10/1998	F	20	N/A	N/A	E	5	1/18/2008	No change in status*
No common name ( <i>Phyllostegia hispida</i> )	1	3/17/2009	9/26/1996	F	N/A	N/A	N/A	E	5	N/A	*
No common name ( <i>Phyllostegia kaalaensis</i> )	1	10/10/1996	8/10/1998	F	20	N/A	N/A	E	5	1/18/2008	No change in status*
No common name ( <i>Phyllostegia knudsenii</i> )	1	10/10/1996	9/20/1995	F	37	N/A	N/A	E	5	6/2/2009	No change in status
No common name ( <i>Phyllostegia mannii</i> )	1	10/8/1992	9/26/1996	F	18	N/A	N/A	E	5	8/2/2011	No change in status
No common name ( <i>Phyllostegia mollis</i> )	1	10/29/1991	8/10/1998	F	19	N/A	N/A	E	5	7/21/2009	No change in status*
No common name ( <i>Phyllostegia parviflora</i> )	1	10/10/1996	7/10/1999	F	34	33,900,000**	11	E	5	1/18/2008	No change in status
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	not yet initiated
No common name ( <i>Phyllostegia velutina</i> )	1	10/10/1996	9/26/1996	F	30	9,395,000**	20	E	2	8/28/2012	No change in status

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
No common name ( <i>Phyllostegia waimeae</i> )	1	2/25/1994	9/20/1995	F	69	N/A	N/A	E	5	1/18/2008	No change in status
No common name ( <i>Phyllostegia warshaueri</i> )	1	10/10/1996	9/26/1996	F	28	9,395,000**	20	E	5	8/28/2012	No change in status
No common name ( <i>Phyllostegia wawrana</i> )	1	10/10/1996	9/20/1995	F	37	N/A	N/A	E	5	7/21/2009	No change in status
No common name ( <i>Platanthera holochila</i> )	1	10/10/1996	7/10/1999	F	32	33,900,000**	11	E	5	6/2/2009	No change in status*
No common name ( <i>Poa siphonoglossa</i> )	1	5/13/1992	9/20/1995	F	69	N/A	N/A	E	5	8/27/2010	No change in status
No common name ( <i>Remya kauaiensis</i> )	1	1/14/1991	9/20/1995	F	51	N/A	N/A	E	5	8/27/2010	No change in status
No common name ( <i>Remya montgomeryi</i> )	1	1/14/1991	9/20/1995	F	71	N/A	N/A	E	5	8/27/2010	No change in status
No common name ( <i>Sanicula mariversa</i> )	1	10/29/1991	8/10/1998	F	21	N/A	N/A	E	5	1/18/2008	No change in status*
No common name ( <i>Sanicula purpurea</i> )	1	10/10/1996	7/10/1999	F	31	33,900,000**	11	E	5	8/2/2011	No change in 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	not yet initiated
No common name ( <i>Schiedea haleakalensis</i> )	1	5/15/1992	7/29/1997	F	30	N/A	N/A	E	2	9/20/2011	No change in status
No common name ( <i>Schiedea helleri</i> )	1	10/10/1996	9/20/1995	F	38	N/A	N/A	E	5	8/27/2010	No change in status
No common name ( <i>Schiedea hookeri</i> )	1	10/10/1996	7/10/1999	F	33	33,900,000**	11	E	8	9/20/2011	No change in status
No common name ( <i>Schiedea kaalae</i> )	1	10/29/1991	8/10/1998	F	21	N/A	N/A	E	2	1/18/2008	No change in status*
No common name ( <i>Schiedea kauaiensis</i> )	1	10/10/1996	9/20/1995	F	39	N/A	N/A	E	5	1/18/2008	No change in status
No common name ( <i>Schiedea lydgatei</i> )	1	10/8/1992	9/26/1996	F	16	N/A	N/A	E	8	9/20/2011	No change in status
No common name ( <i>Schiedea membranacea</i> )	1	10/10/1996	9/20/1995	F	38	N/A	N/A	E	2	8/27/2010	No change in status
No common name ( <i>Schiedea nuttallii</i> )	1	10/10/1996	7/10/1999	F	33	33,900,000**	11	E	5	7/21/2009	No change in status*
No common name ( <i>Schiedea sarmentosa</i> )	1	10/10/1996	9/26/1996	F	17	N/A	N/A	E	8	9/20/2011	No change in status
No common name ( <i>Schiedea spergulina</i> var. <i>leiopoda</i> )	1	2/25/1994	9/20/1995	F	69	N/A	N/A	E	6	8/27/2010	No change in status
No common name ( <i>Schiedea spergulina</i> var. <i>spergulina</i> )	1	2/25/1994	9/20/1995	F	49	N/A	N/A	T	9	8/27/2010	No change in status

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

## Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
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 in status
No common name ( <i>Schoepfia arenaria</i> )	4	4/19/1991	1/10/1992	F	8	N/A	20	T	5C	N/A	*
No common name ( <i>Silene alexandri</i> )	1	10/8/1992	9/26/1996	F	18	N/A	N/A	E	5	1/18/2008	No change in status*
No common name ( <i>Silene hawaiiensis</i> )	1	3/4/1994	9/26/1996	F	61	9,395,000**	20	T	8	8/27/2010	No change in status
No common name ( <i>Silene lanceolata</i> )	1	10/8/1992	9/26/1996	F	17	N/A	N/A	E	2	8/27/2010	No change in status
No common name ( <i>Silene perlmanii</i> )	1	10/29/1991	8/10/1998	F	19	N/A	N/A	E	5	1/18/2008	No change in status*
No common name ( <i>Spermolepis hawaiiensis</i> )	1	11/10/1994	7/10/1999	F	33	33,900,000**	11	E	5	8/27/2010	No change in status
No common name ( <i>Stenogyne angustifolia angustifolia</i> )	1	11/29/1979	9/20/1993	D	N/A	N/A	N/A	E	2	8/28/2012	No change in status
No common name ( <i>Stenogyne bifida</i> )	1	10/8/1992	9/26/1996	F	18	N/A	N/A	E	2	8/27/2010	No change in status*
No common name ( <i>Stenogyne campanulata</i> )	1	5/13/1992	9/20/1995	F	60	N/A	N/A	E	5	6/2/2009	No change in status
No common name ( <i>Stenogyne kanehoana</i> )	1	5/13/1992	8/10/1998	F	20	N/A	N/A	E	5	1/18/2008	No change in status*
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	not yet initiated
No common name ( <i>Ternstroemia subsessilis</i> )	4	4/22/1992	7/31/1995	F	8	N/A	35	E	5	N/A	*
No common name ( <i>Tetramolopium arenarium</i> )	1	3/4/1994	9/26/1996	F	58	9,395,000**	20	E	5	8/28/2012	No change in status
No common name ( <i>Tetramolopium filiforme</i> )	1	10/29/1991	8/10/1998	F	21	N/A	N/A	E	2	1/18/2008	No change in status*
No common name ( <i>Tetramolopium lepidotum ssp. lepidotum</i> )	1	10/29/1991	8/10/1998	F	21	N/A	N/A	E	3	7/21/2009	No change in status*
No common name ( <i>Tetramolopium remyi</i> )	1	9/20/1991	9/29/1995	F	37	N/A	N/A	E	2	9/20/2011	No change in status
No common name ( <i>Tetramolopium rockii</i> )	1	10/8/1992	9/26/1996	F	18	24,784,000**	21	T	14	9/20/2011	No change in status
No common name ( <i>Tetraplasandra bisattenuata</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	not yet initiated
No common name ( <i>Tetraplasandra flynnii</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	not yet initiated
No common name ( <i>Trematolobelia singularis</i> )	1	10/10/1996	8/10/1998	F	21	N/A	N/A	E	5	6/2/2009	No change in status*

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012



Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
No common name ( <i>Vernonia proctorii</i> )	4	4/27/1993	7/31/1995	F	13	N/A	N/A	E	11	12/2/2010	No change in status
No common name ( <i>Vigna o-wahuensis</i> )	1	11/10/1994	7/10/1999	F	32	33,900,000**	11	E	5	9/20/2011	No change in status
No common name ( <i>Viola helenae</i> )	1	9/20/1991	5/31/1994	F	28	N/A	N/A	E	2	1/18/2008	No change in status
No common name ( <i>Viola lanaiensis</i> )	1	9/20/1991	9/29/1995	F	35	N/A	N/A	E	2	8/28/2012	No change in status
No common name ( <i>Viola oahuensis</i> )	1	10/10/1996	8/10/1998	F	20	N/A	N/A	E	5	9/20/2011	No change in status
No common name ( <i>Xylosma crenatum</i> )	1	5/13/1992	9/20/1995	F	69	N/A	N/A	E	5	6/2/2009	No change in status
Nohoanu ( <i>Geranium kauaiense</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	2	N/A	not yet initiated
Nohoanu ( <i>Geranium multiflorum</i> )	1	5/15/1992	7/29/1997	F	18	N/A	N/A	E	8	8/29/2011	No change in status
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 in status
Oha ( <i>Delissea rivularis</i> )	1	10/10/1996	9/20/1995	F	38	N/A	N/A	E	5	8/27/2010	No change in status
Oha ( <i>Delissea subcordata</i> )	1	10/10/1996	8/10/1998	F	23	N/A	N/A	E	5	1/18/2008	No change in status*
Ohai ( <i>Sesbania tomentosa</i> )	1	11/10/1994	7/10/1999	F	21	33,900,000**	11	E	8	8/27/2010	No change in status
`Oha wai ( <i>Clermontia drepanomorpha</i> )	1	10/10/1996	9/26/1996	F	29	9,395,000**	20	E	2	8/28/2012	No change in status
`Oha wai ( <i>Clermontia lindseyana</i> )	1	3/4/1994	9/26/1996	F	34	9,395,000**	20	E	2	8/27/2010	No change in status
`Oha wai ( <i>Clermontia oblongifolia ssp. brevipes</i> )	1	10/8/1992	9/26/1996	F	18	N/A	N/A	E	6	8/29/2011	No change in status
`Oha wai ( <i>Clermontia oblongifolia ssp. mauiensis</i> )	1	5/15/1992	7/29/1997	F	29	N/A	N/A	E	6	8/2/2011	No change in status
`Oha 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 in status
`Oha wai ( <i>Clermontia pyrularia</i> )	1	3/4/1994	9/26/1996	F	32	9,395,000**	20	E	2	8/28/2012	No change in status
`Oha 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 in status
`Ohe`ohe ( <i>Tetraplasandra gymnocarpa</i> )	1	3/28/1994	8/10/1998	F	19	N/A	N/A	E	5	9/20/2011	No change in status*
Olulu ( <i>Brighamia insignis</i> )	1	2/25/1994	9/20/1995	F	29	N/A	N/A	E	2	1/18/2008	No change in status

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

## Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
Onion, Munz's ( <i>Allium munzii</i> )	8	10/13/1998	N/A	N/A	N/A	N/A	N/A	E	2C	6/17/2009	No change in status
Opuhe ( <i>Urera kaalae</i> )	1	10/29/1991	8/10/1998	F	20	N/A	N/A	E	5	9/20/2011	No change in 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 in 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 in status*
Orcutt grass, California ( <i>Orcuttia californica</i> )	8	8/3/1993	9/3/1998	F	10	N/A	N/A	E	11C	3/11/2011	No change in status
Orcutt grass, hairy ( <i>Orcuttia pilosa</i> )	8	3/26/1997	3/7/2006	F	9	1,087,862,000**	58	E	2C	6/15/2009	No change in status
Orcutt grass, Sacramento ( <i>Orcuttia viscida</i> )	8	3/26/1997	3/7/2006	F	11	1,087,862,000**	58	E	5C	7/10/2008	No change in status*
Orcutt grass, San Joaquin ( <i>Orcuttia inaequalis</i> )	8	3/26/1997	3/7/2006	F	10	1,087,862,000**	58	T	8	N/A	*
Orcutt grass, slender ( <i>Orcuttia tenuis</i> )	8	3/26/1997	3/7/2006	F	15	1,087,862,000**	58	T	8	11/24/2009	No change in status
Owl's-clover, fleshy ( <i>Castilleja campestris</i> ssp. <i>succulenta</i> )	8	3/26/1997	3/7/2006	F	11	1,087,862,000**	58	T	9	9/8/2011	No change in 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 in 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	not yet initiated
Paintbrush, ash-grey ( <i>Castilleja cinerea</i> )	8	9/14/1998	N/A	N/A	N/A	N/A	N/A	T	8	3/31/2008	No change in status*
Paintbrush, golden ( <i>Castilleja levisecta</i> )	1	6/11/1997	06/29/2010, 08/23/2000	F	35	16,590,000**, 825,000	18	T	2	9/26/2007	No change in 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 in 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 in status
Palo colorado ( <i>Ternstroemia luquillensis</i> )	4	4/22/1992	7/31/1995	F	8	N/A	35	E	11	N/A	*
Palo de jazmin ( <i>Styrax portoricensis</i> )	4	4/22/1992	7/31/1995	F	8	N/A	35	E	5	N/A	*
Palo de nigua ( <i>Cornutia obovata</i> )	4	4/7/1988	8/7/1992	F	9	N/A	33	E	5	N/A	*
Palo de ramon ( <i>Banara vanderbiltii</i> )	4	1/14/1987	3/15/1991	F	7	N/A	N/A	E	5	N/A	*
Palo de rosa ( <i>Ottoschulzia rhodoxylon</i> )	4	4/10/1990	9/20/1994	F	12	N/A	16	E	8	N/A	*

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

## Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
Pamakani ( <i>Tetramolopium capillare</i> )	1	9/30/1994	7/29/1997	F	26	N/A	N/A	E	2	8/28/2012	No change in status
Pamakani ( <i>Viola chamissoniana</i> ssp. <i>chamissoniana</i> )	1	10/29/1991	8/10/1998	F	20	N/A	N/A	E	3	1/18/2008	No change in status*
Panicgrass, Carter's ( <i>Panicum fauriei</i> var. <i>carteri</i> )	1	10/12/1983	12/9/1993	D	N/A	N/A	N/A	E	9	8/29/2011	No change in status
Papala ( <i>Charpentiera densiflora</i> )	1	5/13/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	not yet initiated
Pawpaw, beautiful ( <i>Deeringothamnus pulchellus</i> )	4	9/26/1986	5/18/1999	F	20	N/A	N/A	E	2	6/17/2009	No change in status
Pawpaw, four-petal ( <i>Asimina tetramera</i> )	4	9/26/1986	5/18/1999	F	26	N/A	N/A	E	11	4/6/2009	No change in status
Pawpaw, Rugel's ( <i>Deeringothamnus rugelii</i> )	4	9/26/1986	4/5/1988	F	10	N/A	N/A	E	2	9/25/2008	No change in status
Pelos del diablo ( <i>Aristida portoricensis</i> )	4	8/8/1990	5/16/1994	F	6	N/A	31	E	11C	12/2/2010	No change in status
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 in 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 in 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 in status
Pentachaeta, Lyon's ( <i>Pentachaeta lyonii</i> )	8	1/29/1997	9/30/1999	F	5	1,338,000**	N/A	E	2C	9/30/2008	No change in 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 in status
Peperomia, Wheeler's ( <i>Peperomia wheeleri</i> )	4	1/14/1987	11/26/1990	F	18	N/A	35	E	5	N/A	*
Peppergrass, Slickspot ( <i>Lepidium papilliferum</i> )	1	10/8/2009	N/A	N/A	N/A	N/A	N/A	T	11C	N/A	not yet initiated
Phacelia, clay ( <i>Phacelia argillacea</i> )	6	10/29/1978	4/12/1982	F	10	N/A	N/A	E	2	N/A	*
Phacelia, DeBeque ( <i>Phacelia submutica</i> )	6	8/26/2011	N/A	N/A	N/A	N/A	N/A	T	14C	N/A	not yet initiated
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 in status*
Phacelia, North Park ( <i>Phacelia formosula</i> )	6	9/1/1982	3/21/1986	F	19	N/A	N/A	E	8	2/1/2012	No change in status
Phlox, Texas trailing ( <i>Phlox nivalis</i> ssp. <i>texensis</i> )	2	9/30/1991	3/28/1995	F	31	N/A	N/A	E	3	N/A	*
Phlox, Yreka ( <i>Phlox hirsuta</i> )	8	2/3/2000	9/21/2006	F	12	950,220	10	E	2C	9/24/2007	No change in status*

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

## Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
Pigeon wings ( <i>Clitoria fragrans</i> )	4	4/27/1993	5/18/1999	F	21	N/A	N/A	T	14	9/15/2008	No change in status
Pilo ( <i>Hedyotis mannii</i> )	1	10/8/1992	9/26/1996	F	18	N/A	N/A	E	5	8/2/2011	No change in 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	not yet initiated
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 in status
Pink, swamp ( <i>Helonias bullata</i> )	5	9/9/1988	9/30/1991	F	17	25,500,000	11	T	7C	10/28/2008	No change in status
Piperia, Yadon's ( <i>Piperia yadonii</i> )	8	8/12/1998	6/17/2005	F	7	N/A	12	E	2C	8/17/2009	No change in status
Pitaya, Davis' green ( <i>Echinocereus viridiflorus var. davisii</i> )	2	12/8/1979	9/20/1984	F	N/A	N/A	N/A	E	3	2/10/2012	No change in status
Pitcher-plant, Alabama canebrake ( <i>Sarracenia rubra alabamensis</i> )	4	3/10/1989	10/8/1992	F	10	N/A	N/A	E	6	1/2/2012	No change in status
Pitcher-plant, green ( <i>Sarracenia oreophila</i> )	4	10/21/1979	12/12/1994	RF(2)	15	N/A	N/A	E	8	N/A	*
Pitcher-plant, mountain sweet ( <i>Sarracenia rubra ssp. jonesii</i> )	4	9/30/1988	8/13/1990	F	15	N/A	N/A	E	3C	N/A	*
Plum, scrub ( <i>Prunus geniculata</i> )	4	1/21/1987	6/20/1996	RF(1)	22	N/A	N/A	E	2	5/19/2009	No change in 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 in 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 in status
Polygala, Lewton's ( <i>Polygala lewtonii</i> )	4	4/27/1993	5/18/1999	F	17	N/A	N/A	E	8	8/5/2010	No change in status
Polygala, tiny ( <i>Polygala smallii</i> )	4	7/18/1985	5/18/1999	F	15	N/A	N/A	E	5C	6/7/2010	No change in status
Polygonum, Scotts Valley ( <i>Polygonum hickmanii</i> )	8	4/8/2003	9/28/1998	F	15	N/A	N/A	E	5	11/12/2009	No change in status
Pondberry ( <i>Lindera melissifolia</i> )	4	7/31/1986	9/23/1993	F	24	886,000	10	E	8C	N/A	*
Pondweed, Little Aguja (=Creek) ( <i>Potamogeton clystocarpus</i> )	2	11/14/1991	6/20/1994	F	1	N/A	22	E	5	N/A	*
popcornflower, rough ( <i>Plagiobothrys hirtus</i> )	1	1/25/2000	9/25/2003	F	22	N/A	N/A	E	2C	8/11/2010	No change in status
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 in status
Poppy-mallow, Texas ( <i>Callirhoe scabriuscula</i> )	2	1/13/1981	3/29/1985	F	6	N/A	N/A	E	5C	N/A	*

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
Poppy, Sacramento prickly ( <i>Argemone pleiacantha</i> ssp. <i>pinnatisecta</i> )	2	8/24/1989	8/31/1994	F	28	N/A	N/A	E	3C	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	6/17/2005	F	8	N/A	12	E	5C	2/4/2009	No change in 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, fragrant ( <i>Cereus eriophorus</i> var. <i>fragrans</i> )	4	11/1/1985	5/18/1999	F	27	N/A	N/A	E	3	6/24/2010	No change in status
Prickly-ash, St. Thomas ( <i>Zanthoxylum thomsonianum</i> )	4	12/20/1985	4/5/1988	F	8	N/A	N/A	E	5C	N/A	*
Primrose, Maguire ( <i>Primula maguirei</i> )	6	8/21/1985	9/27/1990	F	8	N/A	N/A	T	15	8/18/2011	No change in status
Pua `ala ( <i>Brighamia rockii</i> )	1	10/8/1992	9/26/1996	F	17	24,787,000**	N/A	E	2	1/18/2008	No change in status*
Pussypaws, Mariposa ( <i>Calyptridium pulchellum</i> )	8	9/14/1998	N/A	N/A	N/A	N/A	N/A	T	8	1/10/2008	No change in status*
Pu`uka`a ( <i>Cyperus trachysanthos</i> )	1	10/10/1996	7/10/1999	F	18	33,900,000**	11	E	5	8/27/2010	No change in status*
Rattleweed, hairy ( <i>Baptisia arachnifera</i> )	4	5/27/1978	3/19/1984	F	16	N/A	N/A	E	8	12/1/2011	No change in status
Reed-mustard, Barneby ( <i>Schoenocrambe barnebyi</i> )	6	1/14/1992	9/14/1994	F	5	N/A	16	E	17	8/16/2011	No change in status
Reed-mustard, clay ( <i>Schoenocrambe argillacea</i> )	6	1/14/1992	9/14/1994	F	7	N/A	16	T	11C	7/11/2011	No change in status
Reed-mustard, shrubby ( <i>Schoenocrambe suffrutescens</i> )	6	10/6/1987	9/14/1994	F	7	N/A	16	E	5C	11/8/2010	No change in status
Remya, Maui ( <i>Remya mauiensis</i> )	1	1/14/1991	7/29/1997	F	30	N/A	N/A	E	5	7/23/2009	No change in status*
Rhododendron, Chapman ( <i>Rhododendron chapmanii</i> )	4	5/23/1979	9/8/1983	F	14	N/A	N/A	E	8C	4/13/2010	No change in status
Ridge-cress, Barneby ( <i>Lepidium barnebyanum</i> )	6	9/28/1990	7/23/1993	F	4	N/A	N/A	E	11C	8/4/2011	No change in status
Rock-cress, Braun's ( <i>Arabis perstellata</i> )	4	1/3/1995	7/22/1997	F	11	N/A	N/A	E	5	5/28/2010	No change in 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 in status
Rock-cress, McDonald's ( <i>Arabis macdonaldiana</i> )	8	9/29/1978	2/28/1984	F	11	N/A	N/A	E	14C	N/A	*
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 in status

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

## Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
rock cress, shale barren ( <i>Arabis serotina</i> )	5	7/13/1989	8/15/1991	F	5	227,000	11	E	11	N/A	*
Rosemary, Apalachicola ( <i>Conradina glabra</i> )	4	7/12/1993	9/27/1994	F	8	N/A	N/A	E	8	7/7/2009	No change in 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 in status
Rosemary, Etonia ( <i>Conradina etonia</i> )	4	7/12/1993	9/27/1994	F	8	N/A	N/A	E	8C	6/4/2007	Reclassify to T
Rosemary, short-leaved ( <i>Conradina brevifolia</i> )	4	7/12/1993	5/18/1999	F	17	N/A	N/A	E	8C	8/8/2008	No change in status
roseroot, Leedy's ( <i>Rhodiola integrifolia ssp. 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	13	N/A	N/A	E	2	7/11/2008	No change in status
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 in status
Sandalwood, Lanai (= `iliah) ( <i>Santalum freycinetianum var. lanaiense</i> )	1	1/24/1986	9/29/1995	F	39	N/A	N/A	E	3	9/20/2011	No change in status
Sandlace ( <i>Polygonella myriophylla</i> )	4	4/27/1993	5/18/1999	F	21	N/A	N/A	E	8	8/26/2010	No change in status
Sand-verbena, large-fruited ( <i>Abronia macrocarpa</i> )	2	9/28/1988	9/30/1992	F	2	831,900	23	E	8	11/19/2010	No change in 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 in status*
Sandwort, Cumberland ( <i>Arenaria cumberlandensis</i> )	4	6/23/1988	6/20/1996	F	12	268,000	9	E	8	N/A	*
Sandwort, Marsh ( <i>Arenaria paludicola</i> )	8	8/3/1993	9/28/1998	F	17	N/A	N/A	E	2	7/10/2008	No change in status*
Schiedea, Diamond Head ( <i>Schiedea adamantis</i> )	1	2/17/1984	2/2/1994	F	20	N/A		E	5	1/18/2008	No change in status*
Seablite, California ( <i>Suaeda californica</i> )	8	12/15/1994	2/10/2010	D	1	1,295,890,960**	50	E	8	2/9/2010	No change in status
Sedge, golden ( <i>Carex lutea</i> )	4	1/23/2002	N/A	N/A	N/A	N/A	N/A	E	8	12/18/2009	No change in status
Sedge, Navajo ( <i>Carex specuicola</i> )	2	5/8/1985	9/24/1987	F	2	N/A	N/A	T	8	N/A	*
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 in status
Silversword, Mauna Loa (=Ka'u) ( <i>Argyroxiphium kauense</i> )	1	4/7/1993	11/21/1995	F	41	N/A	N/A	E	2	7/21/2009	No change in status
Skullcap, Florida ( <i>Scutellaria floridana</i> )	4	5/8/1992	6/22/1994	F	6	N/A	N/A	T	2C	6/11/2009	No change in status

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
Skullcap, large-flowered ( <i>Scutellaria montana</i> )	4	6/20/1986	5/15/1996	F	8	N/A	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	not yet initiated
Snakeroot ( <i>Eryngium cuneifolium</i> )	4	1/21/1987	5/18/1999	F	21	N/A	N/A	E	2	7/7/2010	No change in 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	11	N/A	N/A	E	3	9/12/2008	No change in status
Spineflower, Ben Lomond ( <i>Chorizanthe pungens</i> var. <i>hartwegiana</i> )	8	2/4/1994	9/28/1998	F	18	N/A	N/A	E	9	1/20/2012	No change in status
Spineflower, Howell's ( <i>Chorizanthe howellii</i> )	8	6/22/1992	9/29/1998	F	11	901,000**	N/A	E	8	12/6/2011	No change in status
Spineflower, Monterey ( <i>Chorizanthe pungens</i> var. <i>pungens</i> )	8	2/4/1994	9/29/1998	F	10	901,000**	N/A	T	15	2/4/2009	No change in status
Spineflower, Orcutt's ( <i>Chorizanthe orcuttiana</i> )	8	10/7/1996	N/A	N/A	N/A	N/A	N/A	E	5	1/10/2008	No change in 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 in status
spineflower, Scotts Valley ( <i>Chorizanthe robusta</i> var. <i>hartwegii</i> )	8	2/4/1994	9/28/1998	F	14	901,000**	N/A	E	3	11/12/2009	No change in 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 in status
Spineflower, Sonoma ( <i>Chorizanthe valida</i> )	8	6/22/1992	9/29/1998	F	8	901,000**	N/A	E	5	7/28/2010	No change in 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>deltoidea</i> )	4	7/18/1985	5/18/1999	F	14	N/A	N/A	E	6C	6/15/2010	No change in status
Spurge, Garber's ( <i>Chamaesyce garberi</i> )	4	7/18/1985	5/18/1999	F	7	N/A	N/A	T	8	9/6/2007	No change in status
Spurge, Hoover's ( <i>Chamaesyce hooveri</i> )	8	3/26/1997	3/7/2006	F	8	1,087,862,000**	58	T	8C	2/4/2009	No change in status
Spurge, telephus ( <i>Euphorbia telephioides</i> )	4	5/8/1992	6/22/1994	F	5	N/A	N/A	T	2C	3/6/2008	No change in status
Stickseed, showy ( <i>Hackelia venusta</i> )	1	2/6/2002	12/12/2007	F	14	N/A	N/A	E	5	9/30/2011	No change in status
Stonecrop, Lake County ( <i>Parvisedum leiocarpum</i> )	8	6/18/1997	3/7/2006	F	8	1,087,862,000**	58	E	2C	6/15/2009	No change in status
Sumac, Michaux's ( <i>Rhus michauxii</i> )	4	9/28/1989	4/30/1993	F	16	N/A	N/A	E	2	N/A	*

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
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 in 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 in 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 in status
Sunflower, Schweinitz's ( <i>Helianthus schweinitzii</i> )	4	5/7/1991	4/22/1994	F	11	N/A	N/A	E	2C	8/24/2010	No change in status
Sunray, Ash Meadows ( <i>Enceliopsis nudicaulis var. corrugata</i> )	8	5/20/1985	9/28/1990	F	5	7,345,000**	15	T	9	9/14/2011	No change in 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 in status*
Taraxacum, California ( <i>Taraxacum californicum</i> )	8	9/14/1998	N/A	N/A	N/A	N/A	N/A	E	5	3/31/2008	No change in status*
Tarplant, Gaviota ( <i>Deinandra increscens ssp. villosa</i> )	8	3/20/2000	N/A	N/A	N/A	N/A	N/A	E	12	8/10/2011	No change in status
Tarplant, Otay ( <i>Deinandra (=Hemizonia) conjugens</i> )	8	10/13/1998	12/28/2004	F	12	N/A	21	T	8C	6/30/2009	No change in status
Tarplant, Santa Cruz ( <i>Holocarpha macradenia</i> )	8	3/20/2000	N/A	N/A	N/A	N/A	N/A	T	5	N/A	*
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 in status
Thistle, Chorro Creek bog ( <i>Cirsium fontinale var. obispoense</i> )	8	12/15/1994	9/28/1998	F	4	N/A	N/A	E	9	9/25/2007	No change in status*
Thistle, fountain ( <i>Cirsium fontinale var. fontinale</i> )	8	2/3/1995	9/30/1998	F	18	172,940,000**	30	E	6C	8/10/2010	No change in 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 in status
Thistle, Loch Lomond coyote ( <i>Eryngium constancei</i> )	8	8/1/1985	3/7/2006	F	8	1,087,862,000**	58	E	8C	8/17/2009	No change in 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 in status*
Thistle, Sacramento Mountains ( <i>Cirsium vinaceum</i> )	2	6/16/1987	9/27/1993	F	12	N/A	N/A	T	2C	8/20/2010	No change in status
Thistle, Suisun ( <i>Cirsium hydrophilum var. hydrophilum</i> )	8	11/20/1997	2/10/2010	D	1	1,295,890,960**	50	E	3C	2/11/2009	No change in 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 in status
Thornmint, San Mateo ( <i>Acanthomintha obovata ssp. duttonii</i> )	8	9/18/1985	9/30/1998	F	13	172,940,000**	30	E	6C	8/10/2010	No change in status

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012



## Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
Townsendia, Last Chance ( <i>Townsendia aprica</i> )	6	8/21/1985	8/20/1993	F	7	N/A	12	T	11C	N/A	*
Trillium, persistent ( <i>Trillium persistens</i> )	4	5/27/1978	3/27/1984	F	13	N/A	N/A	E	8	10/16/2011	No change in status
Trillium, relict ( <i>Trillium reliquum</i> )	4	4/4/1988	1/31/1991	F	12	N/A	N/A	E	8C	N/A	*
Tuctoria, Greene's ( <i>Tuctoria greenei</i> )	8	3/26/1997	3/7/2006	F	9	1,087,862,000**	58	E	2C	1/10/2008	No change in status*
Twinpod, Dudley Bluffs ( <i>Physaria obcordata</i> )	6	2/6/1990	8/13/1993	F	14	N/A	N/A	T	8C	6/20/2008	No change in status
Uhiuhi ( <i>Caesalpinia kavaiense</i> )	1	7/8/1986	5/6/1994	F	48	N/A	N/A	E	2	8/27/2010	No change in status
Uvillo ( <i>Eugenia haematocarpa</i> )	4	11/25/1994	9/11/1998	F	3	N/A	37	E	8	N/A	*
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 in status
Vetch, Hawaiian ( <i>Vicia menziesii</i> )	1	5/27/1978	5/18/1984	F	22	N/A	N/A	E	2C	8/28/2012	No change in status
Wahane ( <i>Pritchardia aylmer-robinsonii</i> )	1	8/7/1996	N/A	N/A	N/A	N/A	N/A	E	5	8/29/2011	No change in status
Wallflower, Ben Lomond ( <i>Erysimum teretifolium</i> )	8	2/4/1994	9/28/1998	F	18	N/A	N/A	E	5	7/10/2008	No change in status*
Wallflower, Contra Costa ( <i>Erysimum capitatum</i> var. <i>angustatum</i> )	8	5/27/1978	4/25/1984	RF(1)	20	N/A	N/A	E	3	7/10/2008	No change in status*
Wallflower, Menzies' ( <i>Erysimum menziesii</i> )	8	6/22/1992	9/29/1998	F	12	901,000**	N/A	E	2C	7/10/2008	No change in status*
Walnut (=Nogal), West Indian ( <i>Juglans jamaicensis</i> )	4	1/13/1997	12/9/1999	F	11	N/A	26	E	5	N/A	*
Warea, wide-leaf ( <i>Warea amplexifolia</i> )	4	4/29/1987	2/17/1993	F	14	N/A	N/A	E	2C	9/17/2007	No change in status
Watercress, Gambel's ( <i>Rorippa gambellii</i> )	8	8/3/1993	9/28/1998	F	17	N/A	N/A	E	5	11/7/2011	No change in status
Water-plantain, Kral's ( <i>Sagittaria secundifolia</i> )	4	4/13/1990	8/12/1991	F	6	147,000	24	T	8	N/A	*
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	N/A	*
Water-willow, Cooley's ( <i>Justicia cooleyi</i> )	4	7/27/1989	6/20/1994	F	4	217,000**	9	E	8	7/14/2010	No change in status
Whitlow-wort, papery ( <i>Paronychia chartacea</i> )	4	1/21/1987	5/18/1999	F	17	N/A	N/A	T	8	9/28/2008	No change in status
wild buckwheat, clay-loving ( <i>Eriogonum pelinophilum</i> )	6	7/13/1984	11/10/1988	F	10	N/A	N/A	E	8C	9/30/2009	No change in status

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

## Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
Wild-buckwheat, gypsum ( <i>Eriogonum gypsophilum</i> )	2	1/19/1981	3/30/1984	F	8	N/A	N/A	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 in status*
Wild-rice, Texas ( <i>Zizania texana</i> )	2	5/27/1978	2/14/1996	RF(1)	26	N/A	29	E	2C	N/A	*
Wire-lettuce, Malheur ( <i>Stephanomeria malheurensis</i> )	1	11/10/1982	3/21/1991	F	30	N/A	N/A	E	2	9/20/2011	No change in status
Wireweed ( <i>Polygonella basiramia</i> )	4	1/21/1987	5/18/1999	F	22	N/A	N/A	E	2	9/7/2010	No change in status
Woodland-star, San Clemente Island ( <i>Lithophragma maximum</i> )	8	8/8/1997	1/26/1984	F	26	N/A	N/A	E	2	9/24/2007	No change in 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 in status
Wooly-threads, San Joaquin ( <i>Monolopia</i> (= <i>Lembertia</i> ) <i>congdonii</i> )	8	7/19/1990	9/30/1998	F	18	40,104,000**	20	E	2	6/28/2010	No change in status
Yellowhead, desert ( <i>Yermo xanthocephalus</i> )	6	3/14/2002	N/A	N/A	N/A	N/A	N/A	T	7	N/A	*
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 in status
Ziziphus, Florida ( <i>Ziziphus celata</i> )	4	7/27/1989	5/18/1999	F	29	N/A	N/A	E	5	8/27/2009	No change in status
<b>Insects</b>						N/A					
Beetle, American burying ( <i>Nicrophorus americanus</i> )	2	7/13/1989	9/27/1991	F	20	N/A	N/A	E	5C	6/16/2008	No change in status
Beetle, Coffin Cave mold ( <i>Batrisodes texanus</i> )	2	9/16/1988	8/25/1994	F	16	N/A	N/A	E	2C	12/4/2009	No change in status
Beetle, Comal Springs dryopid ( <i>Stygoparnus comalensis</i> )	2	12/18/1997	2/14/1996	RF(1)	24	N/A	N/A	E	1C	N/A	*
Beetle, Comal Springs riffle ( <i>Heterelmis comalensis</i> )	2	12/18/1997	2/14/1996	RF(1)	26	N/A	N/A	E	2C	N/A	*
Beetle, delta green ground ( <i>Elaphrus viridis</i> )	8	8/8/1980	3/7/2006	F	7	1,087,862,000**	58	T	8	2/4/2009	No change in status
Beetle, Helotes mold ( <i>Batrisodes venyivi</i> )	2	12/26/2000	10/4/2011	F	5	162,420**	20	E	2C	8/29/2011	No change in status
Beetle, Hungerford's crawling water ( <i>Brychius hungerfordi</i> )	3	3/7/1994	9/28/2006	F	10	742,000	24	E	5	7/5/2012	No change in status
Beetle, Kretschmarr Cave mold ( <i>Texamaurops reddelli</i> )	2	9/16/1988	8/25/1994	F	16	N/A	N/A	E	2C	12/4/2009	No change in status
Beetle, Mount Hermon June ( <i>Polyphylla barbata</i> )	8	1/24/1997	9/28/1998	F	20	N/A	N/A	E	8C	8/17/2009	No change in status

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
Beetle, Tooth Cave ground ( <i>Rhadine persephone</i> )	2	9/16/1988	8/25/1994	F	16	N/A	N/A	E	8C	9/18/2008	No change in status
Beetle, valley elderberry longhorn ( <i>Desmocerus californicus dimorphus</i> )	8	8/8/1980	6/28/1984	F	21	N/A	N/A	T	2	9/26/2006	Delist due to recovery
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	12	10,191,000	31	E	3C	7/23/2012	No change in 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 in status
Butterfly, El Segundo blue ( <i>Euphilotes battoides allyni</i> )	8	6/8/1976	9/28/1998	F	11	N/A	N/A	E	9	3/31/2008	No change in status*
Butterfly, Fender's blue ( <i>Icaricia icarioides fenderi</i> )	1	1/25/2000	6/29/2010	F	19	16,590,000**	25	E	3C	N/A	*
Butterfly, Karner blue ( <i>Lycaeides melissa samuelis</i> )	3	12/14/1992	9/19/2003	F	72	4,608,000	20	E	9C	9/17/2012	No change in status
Butterfly, Lange's metalmark ( <i>Apodemia mormo langei</i> )	8	6/8/1976	4/25/1984	RF(1)	20	N/A	N/A	E	3	7/10/2008	No change in status*
Butterfly, lotis blue ( <i>Lycaeides argyrognomon lotis</i> )	8	6/8/1976	12/26/1985	F	10	N/A	N/A	E	6C	12/16/2011	No change in 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	not yet initiated
Butterfly, mission blue ( <i>Icaricia icarioides missionensis</i> )	8	6/8/1976	10/10/1984	F	20	N/A	N/A	E	9	2/16/2010	No change in status
Butterfly, Mitchell's satyr ( <i>Neonympha mitchellii mitchellii</i> )	3	6/25/1991	4/2/1998	F	26	1,115,000	10	E	3	N/A	*
Butterfly, Myrtle's silverspot ( <i>Speyeria zerene myrtleae</i> )	8	6/22/1992	9/29/1998	F	11	901,000**	N/A	E	9	2/4/2009	No change in 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	23	N/A	N/A	E	6	3/31/2008	No change in status*
Butterfly, Quino checkerspot ( <i>Euphydryas editha quino (=E. e. wrighti)</i> )	8	1/16/1997	9/17/2003	F	27	N/A	N/A	E	9C	8/18/2009	No change in status
Butterfly, Saint Francis' satyr ( <i>Neonympha mitchellii francisci</i> )	4	4/18/1994	4/23/1996	F	7	N/A	N/A	E	3	N/A	*
Butterfly, San Bruno elfin ( <i>Callophrys mossii bayensis</i> )	8	6/8/1976	10/10/1984	F	19	N/A	N/A	E	9	2/16/2010	No change in status
Butterfly, Schaus swallowtail ( <i>Heraclides aristodemus ponceanus</i> )	4	4/28/1976	5/18/1999	F	37	N/A	N/A	E	3C	9/23/2008	No change in status
Butterfly, Smith's blue ( <i>Euphilotes enoptes smithi</i> )	8	6/8/1976	11/9/1984	F	46	N/A	N/A	E	9C	9/26/2006	Reclassify to T*

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
Butterfly, Uncompahgre fritillary ( <i>Boloria acrocneuma</i> )	6	6/24/1991	3/17/1994	F	17	N/A	N/A	E	14	1/5/2010	Reclassify to T
Damselfly, flying earwig Hawaiian ( <i>Megalagrion nesiotis</i> )	1	7/26/2010	N/A	N/A	N/A	N/A	N/A	E	5	N/A	not yet initiated
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	not yet initiated
Dragonfly, Hine's emerald ( <i>Somatochlora hineana</i> )	3	1/26/1995	9/27/2001	F	60	13,163,000	17	E	5C	N/A	*
Fly, Delhi Sands flower-loving ( <i>Rhaphiomidas terminatus abdominalis</i> )	8	9/23/1993	9/14/1997	F	11	N/A	N/A	E	6C	3/31/2008	No change in status*
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	not yet initiated
Grasshopper, Zayante band-winged ( <i>Trimerotropis infantilis</i> )	8	1/24/1997	9/28/1998	F	19	N/A	N/A	E	5	8/17/2009	No change in status
Ground beetle, [unnamed] ( <i>Rhadine exilis</i> )	2	12/26/2000	10/4/2011	F	6	162,420**	20	E	2C	8/29/2011	No change in status
Ground beetle, [unnamed] ( <i>Rhadine infernalis</i> )	2	12/26/2000	10/4/2011	F	6	162,420**	20	E	2C	8/29/2011	No change in status
June Beetle, Caseys ( <i>Dinacoma caseyi</i> )	8	10/24/2011	N/A	N/A	N/A	N/A	N/A	E	11C	N/A	not yet initiated
Moth, Blackburn's sphinx ( <i>Manduca blackburni</i> )	1	2/1/2000	9/28/2005	F	19	N/A	N/A	E	2C	7/31/2009	No change in status
Moth, Kern primrose sphinx ( <i>Euproserpinus euterpe</i> )	8	4/8/1980	2/8/1984	F	13	N/A	N/A	T	2	10/9/2007	No change in 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 in 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 in 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 in 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 in 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 in 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 in status
Pomace fly, [unnamed] ( <i>Drosophila musaphila</i> )	1	5/9/2006	N/A	N/A	N/A	N/A	N/A	E	5	8/28/2012	No change in 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 in status

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
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 in 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 in 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 in status
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 in status
Skipper, Carson wandering ( <i>Pseudocopaedes eunus obscurus</i> )	8	11/29/2001	9/13/2007	F	11	5,551,500	20	E	3C	8/27/2012	No change in 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 in 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 in 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	N/A	N/A	E	2	11/13/2009	No change in 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	N/A	N/A	E	5C	9/17/2007	No change in status
Lichen, rock gnome ( <i>Gymnoderma lineare</i> )	4	1/18/1995	9/30/1997	F	5	N/A	N/A	E	5	N/A	*
<b>Mammals</b>											
Bat, gray ( <i>Myotis grisescens</i> )	3	4/28/1976	7/8/1982	F	28	103,000	10	E	8	9/30/2009	No change in 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 in status
Bat, Indiana ( <i>Myotis sodalis</i> )	3	3/11/1967	4/16/2007	RD(1)	40	428,589,000	20	E	5	9/30/2009	No change in status*
Bat, lesser long-nosed ( <i>Leptonycteris curasoae yerbabuena</i> )	2	9/30/1988	3/4/1997	F	21	N/A	N/A	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	N/A	N/A	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	N/A	20	T	9	9/4/2007	No change in status*

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
Bat, Mexican long-nosed ( <i>Leptonycteris nivalis</i> )	2	9/30/1988	9/8/1994	F	6	N/A	N/A	E	5	N/A	*
Bat, Ozark big-eared ( <i>Corynorhinus (=Plecotus) townsendii ingens</i> )	2	11/30/1979	3/28/1995	RF(1)	23	N/A	N/A	E	3	5/22/2008	No change in status
Bat, Virginia big-eared ( <i>Corynorhinus (=Plecotus) townsendii virginianus</i> )	5	12/31/1979	5/8/1984	F	34	N/A	N/A	E	3C	8/27/2008	No change in status*
Bear, grizzly (U.S.A. conterminous (lower 48) States, except where listed as an experimental population) ( <i>Ursus arctos horribilis</i> )	6	7/28/1975	9/10/1993	RF(1)	261	26,000,000	40	T	9C	8/29/2011	No change in status
Bear, Louisiana black ( <i>Ursus americanus luteolus</i> )	4	1/7/1992	9/27/1995	F	18	N/A	30	T	9	N/A	*
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 athabascaae</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 (Selkirk Mountain population) ( <i>Rangifer tarandus caribou</i> )	1	1/14/1983	3/4/1994	RF(2)	46	N/A	N/A	E	3C	12/5/2008	No change in status
Deer, Columbian white-tailed (Columbia River DPS) ( <i>Odocoileus virginianus leucurus</i> )	1	3/11/1967	6/14/1983	RF(1)	14	N/A	N/A	E	9	N/A	*
Deer, key ( <i>Odocoileus virginianus clavium</i> )	4	3/11/1967	5/18/1999	F	66	N/A	N/A	E	6C	8/23/2010	No change in status
Ferret, black-footed ( <i>Mustela nigripes</i> )	6	3/11/1967	8/8/1988	RF(1)	158	N/A	N/A	E	2C	12/1/2008	No change in 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 in status
Fox, San Miguel Island ( <i>Urocyon littoralis littoralis</i> )	8	3/5/2004	9/14/2012	D	N/A	N/A	N/A	E	3	N/A	*
Fox, Santa Catalina Island ( <i>Urocyon littoralis catalinae</i> )	8	3/5/2004	9/14/2012	D	N/A	N/A	N/A	E	9	N/A	*
Fox, Santa Cruz Island ( <i>Urocyon littoralis santacruzae</i> )	8	3/5/2004	9/14/2012	D	N/A	N/A	N/A	E	3	N/A	*
Fox, Santa Rosa Island ( <i>Urocyon littoralis santarosae</i> )	8	3/5/2004	9/14/2012	D	N/A	N/A	N/A	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	8/22/1990	F	16	N/A	N/A	E	6	N/A	*
Jaguarundi, Sinaloan ( <i>Herpailurus (=Felis) yagouaroundi tolteca</i> )	2	6/14/1976	N/A	E	N/A	N/A	N/A	E	6	N/A	not yet initiated
Kangaroo rat, Fresno ( <i>Dipodomys nitratooides exilis</i> )	8	1/30/1985	9/30/1998	F	14	40,104,000**	20	E	6C	2/16/2010	No change in status

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
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 in status
Kangaroo rat, Morro Bay ( <i>Dipodomys heermanni morroensis</i> )	8	10/13/1970	1/25/2000	RD(1)	17	N/A	N/A	E	6C	5/26/2011	No change in 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 in status
Kangaroo rat, Stephens' ( <i>Dipodomys stephensi</i> (incl. <i>D. cascus</i> ))	8	9/30/1988	6/23/1997	D	15	N/A	N/A	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 in status
Lynx, Canada (CO, ID, ME, MI, MN, MT, NH, NY, OR, UT, VT, WA, WI, WY) ( <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	N/A, 1,0000,000	N/A, 14	E	5C	4/6/2007	Reclassify to T
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 in status
Mouse, Alabama beach ( <i>Peromyscus polionotus ammobates</i> )	4	6/6/1985	8/12/1987	F	36	N/A	N/A	E	3C	11/23/2009	No change in 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 in status
Mouse, Choctawhatchee beach ( <i>Peromyscus polionotus allophrys</i> )	4	6/6/1985	8/12/1987	F	34	N/A	N/A	E	3C	9/4/2007	No change in status
Mouse, Key Largo cotton ( <i>Peromyscus gossypinus allapaticola</i> )	4	9/21/1983	5/18/1999	F	17	N/A	N/A	E	3C	3/26/2009	No change in status
Mouse, Pacific pocket ( <i>Perognathus longimembris pacificus</i> )	8	2/3/1994	9/28/1998	F	31	N/A	N/A	E	6C	4/1/2010	No change in status
Mouse, Perdido Key beach ( <i>Peromyscus polionotus trissyllepsis</i> )	4	6/6/1985	8/12/1987	F	36	N/A	N/A	E	3C	9/4/2007	No change in 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	2/1/2008	revision
Mouse, salt marsh harvest ( <i>Reithrodontomys raviventris</i> )	8	10/13/1970	2/10/2010	D	3	1,295,890,960**	50	E	2C	2/16/2010	No change in 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 in status
Mouse, St. Andrew beach ( <i>Peromyscus polionotus peninsularis</i> )	4	12/18/1998	12/28/2010	F	1	2,093,500	20	E	3C	4/6/2009	No change in status
Ocelot ( <i>Leopardus (=Felis) pardalis</i> )	2	3/28/1972	8/26/2010	RD(1)	67	60,870,500	30	E	5C	N/A	not yet initiated
Otter, Northern Sea (southwest Alaska DPS) ( <i>Enhydra lutris kenyoni</i> )	7	8/9/2005	10/12/2010	D	N/A	N/A	N/A	T	6	N/A	not yet initiated
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	*

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
Panther, Florida ( <i>Puma (=Felis) concolor coryi</i> )	4	3/11/1967	12/18/2008	RF(3)	89	N/A	75	E	6C	4/28/2009	No change in status
Prairie dog, Utah ( <i>Cynomys parvidens</i> )	6	6/4/1973	4/26/2012	RF(1)	17	106,230,000	30	T	8C	4/20/2012	No change in status
Pronghorn, Sonoran ( <i>Antilocapra americana sonoriensis</i> )	2	3/11/1967	12/03/1998, 11/26/2003	RF(1)	21	N/A	N/A	E	3	N/A	*
Puma (=cougar), eastern ( <i>Puma (=Felis) concolor cougar</i> )	5	6/4/1973	8/2/1982	F	N/A	N/A	N/A	E	18	3/2/2011	Delist due to error
Rabbit, Lower Keys marsh ( <i>Sylvilagus palustris hefneri</i> )	4	6/21/1990	5/18/1999	F	39	N/A	N/A	E	6C	9/21/2007	No change in status
Rabbit, pygmy (Columbia Basin DPS) ( <i>Brachylagus idahoensis</i> )	1	11/30/2001	9/7/2007	D	30	N/A	N/A	E	6	9/29/2010	No change in 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	N/A	N/A	E	3C	8/18/2008	No change in status
Sheep, Peninsular bighorn (Peninsular CA population) ( <i>Ovis canadensis nelsoni</i> )	8	3/18/1998	10/25/2000	F	38	75,253,000	25	E	9C	4/21/2011	No change in status
Sheep, Sierra Nevada bighorn (Sierra Nevada population)( <i>Ovis canadensis sierrae</i> )	8	4/20/1999	2/13/2008	F	22	21,730,000	20	E	3C	9/30/2008	No change in 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 in status
Squirrel, Carolina northern flying ( <i>Glaucomys sabrinus coloratus</i> )	4	7/1/1985	9/24/1990	F	20	N/A	N/A	E	6C	N/A	*
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)	10	N/A	100	E	6C	1/15/2008	No change in status
Squirrel, northern Idaho ground ( <i>Spermophilus brunneus brunneus</i> )	1	4/5/2000	9/16/2003	F	38	2,440,000	8	T	3C	9/13/2011	No change in status
Squirrel, Virginia northern flying ( <i>Glaucomys sabrinus fuscus</i> )	5	7/1/1985	09/06/2001, 09/24/1990	F	N/A	1,360,000**	N/A	E	15	5/19/2006	Delist due to recovery
Vole, Amargosa ( <i>Microtus californicus scirpensis</i> )	8	11/15/1984	9/15/1997	F	18	N/A	N/A	E	6	2/4/2009	No change in status
Vole, Florida salt marsh ( <i>Microtus pennsylvanicus dukecampbelli</i> )	4	1/14/1991	9/30/1997	F	5	N/A	N/A	E	6	6/5/2008	No change in status
Vole, Hualapai Mexican ( <i>Microtus mexicanus hualpaiensis</i> )	2	10/1/1987	8/19/1991	F	13	N/A	N/A	E	4	N/A	not yet initiated

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012



## Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
Wolf, gray (All or part of 42 States in the coterminous U.S. (outside of the Western Great Lakes and Northern Rocky Mountains); and Mexico; except where listed as experimental) ( <i>Canis lupus</i> )	6	3/9/1978	9/15/1982	F	49	N/A	N/A	E	9C	2/29/2012	revision
Wolf, red ( <i>Canis rufus</i> )	4	3/11/1967	10/26/1990	RF(2)	40	N/A	N/A	E	5C	9/28/2007	No change in status
Woodrat, Key Largo ( <i>Neotoma floridana smalli</i> )	4	9/21/1983	5/18/1999	F	14	N/A	N/A	E	3C	9/25/2008	No change in 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 in status
<b>Reptiles</b>											
Anole, Culebra Island giant ( <i>Anolis roosevelti</i> )	4	8/22/1977	1/28/1983	F	2	N/A	N/A	E	17	N/A	*
Boa, Mona ( <i>Epicrates monensis monensis</i> )	4	3/6/1978	4/19/1984	F	9	N/A	N/A	T	3	N/A	*
Boa, Puerto Rican ( <i>Epicrates inornatus</i> )	4	10/13/1970	3/27/1986	F	10	N/A	N/A	E	14C	9/16/2011	No change in status
Boa, Virgin Islands tree ( <i>Epicrates monensis granti</i> )	4	10/13/1970	3/27/1986	F	11	N/A	N/A	E	9C	8/14/2009	Reclassify to T
Crocodile, American (FL population) ( <i>Crocodylus acutus</i> )	4	10/28/1975	5/18/1999	F	6	N/A	N/A	T	2C	3/20/2007	Reclassify to T
Gecko, Monito ( <i>Sphaerodactylus micropithecus</i> )	4	10/15/1982	3/27/1986	F	3	N/A	N/A	E	5	N/A	*
Iguana, Mona ground ( <i>Cyclura cornuta stejnegeri</i> )	4	3/6/1978	4/19/1984	F	13	N/A	N/A	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 in status
Lizard, Coachella Valley fringe-toed ( <i>Uma inornata</i> )	8	9/25/1980	9/11/1985	F	32	N/A	N/A	T	5C	8/6/2010	No change in status
Lizard, Island night ( <i>Xantusia riversiana</i> )	8	9/12/1977	1/26/1984	F	19	N/A	N/A	T	14	9/26/2006	Delist due to recovery*
Lizard, St. Croix ground ( <i>Ameiva polops</i> )	4	7/5/1977	3/29/1984	F	9	N/A	N/A	E	8	N/A	*
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 in status
Rattlesnake, New Mexican ridge-nosed ( <i>Crotalus willardi obscurus</i> )	2	8/21/1978	3/22/1985	F	12	N/A	N/A	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)	86	153,800,000**, N/A	24, N/A	T	1C	8/22/2007	No change in status

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
Sea turtle, green (FL, Mexico nesting populations) ( <i>Chelonia mydas</i> )	4	7/28/1978	10/29/1991, 01/12/1998	RF(1)	78	153,800,000**, N/A	24, N/A	E	1C	8/22/2007	No change in status
Sea turtle, hawksbill ( <i>Eretmochelys imbricata</i> )	4	6/2/1970	12/15/1993, 01/12/1998	RF(1)	61	12,850,000, N/A	26, N/A	E	1C	8/23/2007	No change in status
Sea turtle, Kemp's ridley ( <i>Lepidochelys kempii</i> )	2	12/2/1970	9/22/2011	RF(2)	54	N/A	12	E	2C	8/24/2007	No change in status
Sea turtle, leatherback ( <i>Dermochelys coriacea</i> )	4	6/2/1970	04/06/1992, 01/12/1998	RF(1)	71	6,740,000, N/A	23, N/A	E	1	8/21/2007	No change in status
Sea turtle, loggerhead (North Pacific Ocean DPS) ( <i>Caretta caretta</i> )	4	7/23/1978	1/12/1998	RF(1)	21	N/A	N/A	E	9C	8/27/2007	No change in status
Sea turtle, loggerhead (Northwest Atlantic DPS) ( <i>Caretta caretta</i> )	4	7/23/1978	12/31/2008	RF(2)	21	N/A	N/A	T	9C	8/27/2007	No change in status
Sea turtle, olive ridley (Except where endangered) ( <i>Lepidochelys olivacea</i> )	4	7/28/1978	1/12/1998	RF(1)	N/A	N/A	N/A	T	8C	8/21/2007	No change in status
Sea turtle, olive ridley (Mexican nesting population) ( <i>Lepidochelys olivacea</i> )	4	7/28/1978	1/12/1998	RF(1)	N/A	N/A	N/A	E	8C	8/21/2007	No change in status
Skink, bluetail mole ( <i>Eumeces egregius lividus</i> )	4	11/6/1987	5/18/1999	F	18	N/A	N/A	T	3C	8/2/2007	No change in status
Skink, sand ( <i>Neoseps reynoldsi</i> )	4	11/6/1987	5/18/1999	F	18	N/A	N/A	T	1C	8/2/2007	No change in 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 in status
Snake, copperbelly water (Indiana north of 40 degrees north latitude, Michigan, Ohio) ( <i>Nerodia</i> )	3	1/29/1997	12/23/2008	F	17	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	N/A	N/A	T	11C	4/29/2008	No change in status
Snake, giant garter ( <i>Thamnophis gigas</i> )	8	10/20/1993	7/2/1999	D	15	62,358,000	29	T	3C	6/20/2012	No change in status
Snake, San Francisco garter ( <i>Thamnophis sirtalis tetrataenia</i> )	8	3/11/1967	9/11/1985	F	49	N/A	N/A	E	3C	10/2/2006	No change in status*
Tortoise, desert (U.S.A., except in Sonoran Desert) ( <i>Gopherus agassizii</i> )	8	8/20/1980	5/6/2011	RF(1)	30	159,000,000	14	T	12C	9/30/2010	No change in status
Tortoise, gopher (W of of Mobile/Tombigbee Rs.) ( <i>Gopherus polyphemus</i> )	4	7/7/1987	12/26/1990	F	15	N/A	N/A	T	9	7/27/2011	No change in status
Turtle, Alabama red-belly ( <i>Pseudemys alabamensis</i> )	4	6/16/1987	1/8/1990	F	11	N/A	N/A	E	5	N/A	*
Turtle, bog (=Muhlenberg) (Northern) ( <i>Clemmys muhlenbergii</i> )	5	11/4/1997	5/15/2001	F	33	1,863,000	49	T	12C	N/A	*
Turtle, flattened musk ( <i>Sternotherus depressus</i> )	4	6/11/1987	2/26/1990	F	5	N/A	N/A	T	14	N/A	*
Turtle, ringed map ( <i>Graptemys oculifera</i> )	4	12/23/1986	4/8/1988	F	11	N/A	N/A	T	14	8/17/2010	No change in status

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

## Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
Turtle, yellow-blotched map ( <i>Graptemys flavimaculata</i> )	4	1/14/1991	3/15/1993	F	6	N/A	N/A	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**	N/A	T	9C	9/28/2011	No change in status
<b>Snails</b>											
Ambersnail, Kanab ( <i>Oxyloma haydeni kanabensis</i> )	6	8/8/1991	10/12/1995	F	11	N/A	N/A	E	6C	8/25/2011	No change in 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 in status
Cavesnail, Tumbling Creek ( <i>Antrobia culveri</i> )	3	8/14/2002	9/22/2003	F	38	2,174,000	20	E	4	N/A	*
Elimia, lacy (snail) ( <i>Elimia crenatella</i> )	4	10/28/1998	12/2/2005	F	23	N/A	10	T	8	8/29/2006	No change in status
Hornsnail, rough ( <i>Pleurocera foremani</i> )	4	12/2/2010	N/A	N/A	N/A	N/A	N/A	E	2	N/A	not yet initiated
Limpet, Banbury Springs ( <i>Lanx sp.</i> )	1	12/14/1992	11/26/1995	F	24	1,163,000**	10	E	5C	9/15/2006	No change in status
Lioplax, cylindrical (snail) ( <i>Lioplax cyclostomaformis</i> )	4	10/28/1998	12/2/2005	F	23	N/A	N/A	E	8	8/29/2006	No change in status
Marstonia, royal (snail) ( <i>Pyrgulopsis ogmorhapse</i> )	4	4/15/1994	8/11/1995	F	9	N/A	N/A	E	5	12/1/2011	No change in status
Pebblesnail, flat ( <i>Lepyrium showalteri</i> )	4	10/28/1998	12/2/2005	F	23	N/A	N/A	E	5	8/29/2006	No change in status
Riversnail, Anthony's ( <i>Athearnia anthonyi</i> )	4	4/15/1994	8/13/1997	F	7	N/A	N/A	E	5	3/11/2011	No change in status
Rocksnail, interrupted (=Georgia) ( <i>Leptoxis foremani</i> )	4	12/2/2010	N/A	N/A	N/A	N/A	N/A	E	2	N/A	not yet initiated
Rocksnail, painted ( <i>Leptoxis taeniata</i> )	4	10/28/1998	12/2/2005	F	23	N/A	10	T	8	8/29/2006	No change in status
Rocksnail, plicate ( <i>Leptoxis plicata</i> )	4	10/28/1998	12/2/2005	F	23	N/A	N/A	E	5C	8/29/2006	No change in status
Rocksnail, round ( <i>Leptoxis ampla</i> )	4	10/28/1998	12/2/2005	F	23	N/A	10	T	8	8/29/2006	No change in status
Shagreen, Magazine Mountain ( <i>Mesodon magazinensis</i> )	4	4/17/1989	2/1/1994	F	6	N/A	10	T	8	6/19/2012	Delist due to recovery
Snail, armored ( <i>Pyrgulopsis (=Marstonia) pachyta</i> )	4	2/25/2000	7/1/1994	D	N/A	N/A	N/A	E	5	9/22/2010	No change in status
Snail, Bliss Rapids ( <i>Taylorconcha serpenticola</i> )	1	12/14/1992	11/26/1995	F	27	1,163,000**	10	T	8C	7/13/2009	No change in status
Snail, Chittenango ovate amber ( <i>Succinea chittenangoensis</i> )	5	8/2/1978	8/21/2006	RF(1)	20	546,600	20	T	5	10/4/2006	Reclassify to E*

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

## Recovery Data as of September 30, 2012

GENERAL SPECIES INFORMATION			RECOVERY PLAN INFORMATION					SPECIES/RECOVERY STATUS			
Species Name	Lead Region	Date Listed	Current or Active Plan	Plan Status <sup>1</sup>	Number of Actions Implemented	Estimated Cost for Recovery (\$)	Estimated Time to Recovery (Years)	Listing Classification	Recovery Priority Number	Date 5-Year Review Completed	5-Year Review Status Recommendation
Snail, flat-spined three-toothed ( <i>Triodopsis platysayoides</i> )	5	8/2/1978	5/9/1983	F	12	N/A	N/A	T	8C	11/6/2007	No change in status*
Snail, Iowa Pleistocene ( <i>Discus macclintocki</i> )	3	8/2/1978	3/22/1984	F	11	84,000	3	E	8	8/31/2009	No change in status*
Snail, Morro shoulderband (=Banded dune) ( <i>Helminthoglypta walkeriana</i> )	8	12/15/1994	9/28/1998	F	7	N/A	N/A	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 in status
Snail, noonday ( <i>Mesodon clarki nantahala</i> )	4	8/2/1978	9/7/1984	F	14	N/A	N/A	T	9	N/A	*
Snail, painted snake coiled forest ( <i>Anguispira picta</i> )	4	8/2/1978	10/14/1982	F	5	N/A	N/A	T	8C	1/16/2008	No change in 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 in status
Snail, Snake River physa ( <i>Physa natricina</i> )	1	12/14/1992	11/26/1995	F	17	1,163,000**	10	E	5C	N/A	*
Snails, Oahu tree ( <i>Achatinella spp.</i> )	1	2/12/1981	6/30/1992	F	20	N/A	N/A	E	2	9/20/2011	No change in status
Snail, Stock Island tree ( <i>Orthalicus reses</i> (not incl. <i>nesodryas</i> ))	4	8/2/1978	5/18/1999	F	24	N/A	N/A	T	3	9/11/2009	No change in 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	N/A	N/A	E	4	1/29/2008	No change in status*
Springsnail, Alamosa ( <i>Tryonia alamosae</i> )	2	9/30/1991	8/31/1994	F	6	101,000**	9	E	14	N/A	*
Springsnail, Bruneau Hot ( <i>Pyrgulopsis bruneauensis</i> )	1	1/25/1993	9/30/2002	F	11	15,000,000	15	E	2C	6/24/2007	No change in 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	not yet initiated
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 in status
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 in status
springsnail, San Bernardino ( <i>Pyrgulopsis bernardina</i> )	2	5/17/2012	N/A	N/A	N/A	N/A	N/A	E	8	N/A	not yet initiated
Springsnail, Socorro ( <i>Pyrgulopsis neomexicana</i> )	2	9/30/1991	8/31/1994	F	6	101,000**	9	E	5	10/10/2008	No change in 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	not yet initiated

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

\*\*See Est. Cost to Recovery in Key

\*Five Year Review in Progress as of September 30, 2012

# 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/>

*Chief, Division of Endangered Species:*  
Marilet Zablan; 503-231-2345

*States/Territories:* California, Hawaii, Idaho, Nevada, 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 Endangered Species:*  
Susan Jacobsen; 505-248-6641

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

## Region Three — Great Lakes, Big Rivers

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

*Chief, Division of Endangered Species:*  
Tony Sullins; 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, Recovery and Restoration*  
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/endspp>

*Chief, Division of Endangered Species:*  
Bridget Fahey; 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

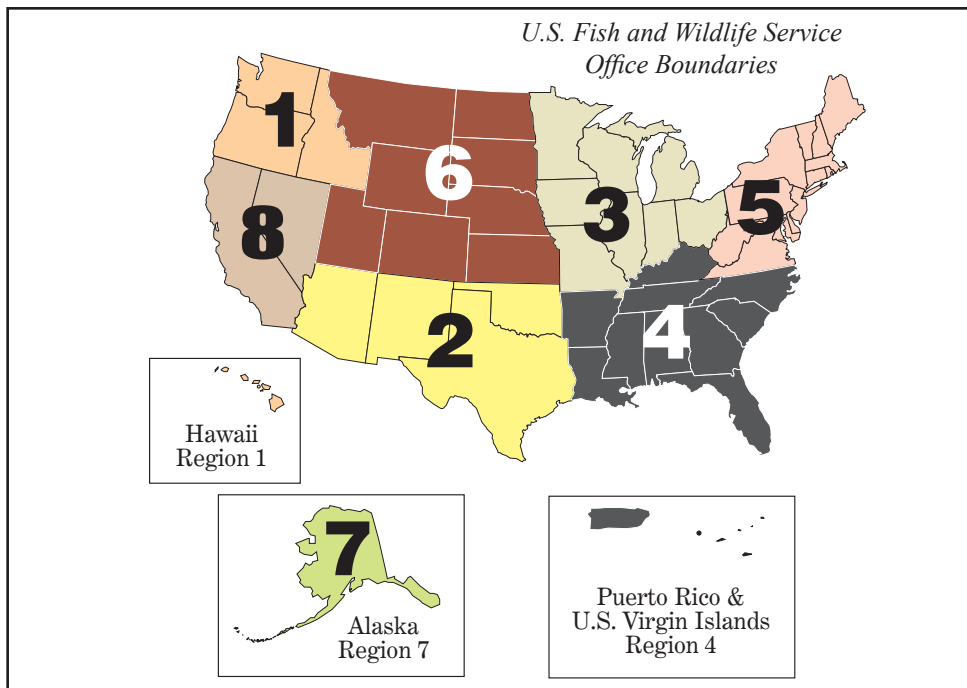
*State:* Alaska

## Region 8 — California and Nevada

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

*Assistant Regional Director for Ecological Services*  
Mike Fris; 916-414-6464

*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)  
October 2014**