

DEPARTMENT OF THE INTERIOR**Fish and Wildlife Service****50 CFR Part 17****Endangered and Threatened Wildlife and Plants; Review of Plant and Animal Taxa That Are Candidates for Listing as Endangered or Threatened Species**

AGENCY: Fish and Wildlife Service, Interior.

ACTION: Notice of review.

SUMMARY: In this notice the Fish and Wildlife Service (Service) presents an updated list of plant and animal taxa native to the United States that are regarded as candidates for possible addition to the List of Endangered and Threatened Wildlife and Plants under the Endangered Species Act of 1973, as amended (Act). Identification of candidate species can assist environmental planning efforts by providing advance notice of potential listings, allowing resource managers to alleviate threats and thereby possibly remove the need to list species as endangered or threatened. Even if a candidate species is subsequently listed, the early notice provided here could result in fewer restrictions on activities by prompting candidate conservation measures to alleviate threats to the species.

Through the publication of this notice, the Service requests additional status information that may be available for the identified candidate species and information indicating that species not presently regarded as candidates should be included in future updates of this list. This information will be considered in preparing listing documents and future revisions or supplements to the notice of review. It will also help the Service monitor changes in the status of candidate species and in candidate conservation activities.

DATES: Comments are requested until the publication of an update of this notice, anticipated in February, 1997.

ADDRESSES: Interested persons or organizations should submit comments regarding particular taxa to the Regional Director of the Region identified as having the lead responsibility for that taxon. Comments of a more general nature may be submitted to the Chief, Division of Endangered Species, U.S. Fish and Wildlife Service, 1849 C Street, N.W., Mail Stop 452 ARLSQ, Washington, D.C. 20240 (703-358-2171). Written comments and materials received in response to this notice will be available for public inspection by

appointment in the Regional Offices listed below.

Information relating to particular taxa in this notice may be obtained from the Service's Endangered Species Coordinator in the lead Regional Office identified for each taxon and listed below:

Region 1. California, Commonwealth of the Northern Mariana Islands, Hawaii, Idaho, Nevada, Oregon, Pacific Territories of the United States, and Washington.

Regional Director (TE), U.S. Fish and Wildlife Service, Eastside Federal Complex, 911 N.E. 11th Avenue, Portland, Oregon 97232-4181 (503-231-6131).

Region 2. Arizona, New Mexico, Oklahoma, and Texas.

Regional Director (TE), U.S. Fish and Wildlife Service, P.O. Box 1306, Albuquerque, New Mexico 87103 (505-766-3972).

Region 3. Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, Ohio, and Wisconsin.

Regional Director (TE), U.S. Fish and Wildlife Service, Federal Building, Fort Snelling, Twin Cities, Minnesota 55111 (612-725-3276).

Region 4. Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina, Tennessee, Puerto Rico, and the U.S. Virgin Islands.

Regional Director (TE), U.S. Fish and Wildlife Service, 1875 Century Boulevard, Atlanta, Georgia 30345 (404-679-7096).

Region 5. Connecticut, Delaware, District of Columbia, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Vermont, Virginia, and West Virginia.

Regional Director (TE), U.S. Fish and Wildlife Service, 300 Westgate Center Drive, Hadley, Massachusetts 01035-9589. (413-253-8300)

Region 6. Colorado, Kansas, Montana, Nebraska, North Dakota, South Dakota, Utah, and Wyoming.

Regional Director (TE), U.S. Fish and Wildlife Service, P.O. Box 25486, Denver Federal Center, Denver, Colorado 80225 (303-236-7398).

Region 7. Alaska.

Regional Director (TE), U.S. Fish and Wildlife Service, 1011 East Tudor Street, Anchorage, Alaska 99503 (907-786-3520).

FOR FURTHER INFORMATION CONTACT: Endangered Species Coordinator(s) in the appropriate Regional Office(s) at the above phone numbers or Chief, Division of Endangered Species, U.S. Fish and Wildlife Service, Washington, D.C. 20240, (703-358-2171).

SUPPLEMENTARY INFORMATION:**Background**

The Endangered Species Act (Act) of 1973, as amended, (16 U.S.C. 1531 *et seq.*) requires the Service to identify species of wildlife and plants that are endangered or threatened, based on the best available scientific and commercial information. As part of the program to accomplish this, the Service has maintained a list of species regarded as candidates for listing. The Service maintains this list for a variety of reasons, including—to provide advance knowledge of potential listings that could affect decisions of environmental planners and developers; to solicit input from interested parties to identify those candidate species that may not require protection under the Act or additional species that may require the Act's protections; and to solicit information needed to prioritize the order in which species will be proposed for listing. At present, there are 182 taxa included in Table 1 of this notice that are considered by the Service as candidates for possible addition to the List of Endangered and Threatened Plants, as well as 238 U.S. taxa for which proposed rules to list have been issued. The Service encourages their consideration in environmental planning, such as in environmental impact analysis under the National Environmental Policy Act of 1969 (implemented at 40 CFR Parts 1500-1508). Information regarding the range, status, and habitat needs of these species is available from the Service's Headquarters and Regional Offices (see "ADDRESSES" above).

Previous Notices of Review

The Act directed the Secretary of the Smithsonian Institution to prepare a report on endangered and threatened plant species, which was published as House Document No. 94-51. The Service published a notice on July 1, 1975 (40 FR 27823), in which it announced that more than 3,000 native plant taxa (plants with formal scientific names) named in the Smithsonian's report and other taxa added by the 1975 notice would be reviewed for possible inclusion in the List of Endangered and Threatened Plants. The 1975 notice was superseded on December 15, 1980 (45 FR 82479), by a new comprehensive notice of review for native plants that took into account the earlier Smithsonian report and other accumulated information. On November 28, 1983 (48 FR 53640), a supplemental plant notice of review noted changes in the status of various taxa. The Service published complete updates of the plant

notice on September 27, 1985 (50 FR 39526), February 21, 1990 (55 FR 6184), and September 30, 1993 (58 FR 51144). All previous plant notices of review are superseded by this notice.

Previous animal notices of review included many of the animal taxa in the accompanying Table 1. The Service published earlier comprehensive reviews for vertebrate animals in the Federal Register on December 30, 1982 (47 FR 58454) and on September 18, 1985 (50 FR 37958). An initial comprehensive review for invertebrate animals was published on May 22, 1984 (49 FR 21664). The Service published a combined animal notice of review on January 6, 1989 (54 FR 554) and with minor corrections on August 10, 1989 (54 FR 32833). The Service again published comprehensive notices on November 21, 1991 (56 FR 58804), and November 15, 1994 (59 FR 58982). This revised notice supersedes all previous animal notices of review.

Relation to Prior Notices of Review

Two classes of species are included in Table 1 of this notice—(1) proposed species are those species for which a proposed rule to list as endangered or threatened has been published in the Federal Register (exclusive of species for which the proposed rule has been withdrawn or finalized), and, (2) candidate species are those species for which the Service has on file sufficient information on biological vulnerability and threat(s) to support issuance of a proposed rule to list but issuance of the proposed rule is precluded. In previous notices of review, species described by item (2) were known as Category 1 candidates. They are now referred to simply as candidate species. The Service emphasizes that these candidate taxa are not being proposed for listing by this notice, but development and publication of proposed rules for such candidate taxa is anticipated. The Service will determine the relative listing priority of these candidate species in accordance with listing priority guidelines published in the September 12, 1983 edition of the Federal Register (48 FR 43098-43105). The Service encourages other Federal agencies to give consideration to these taxa in environmental planning.

Previous notices of review provided cross references for taxa that experienced changes in their scientific names by indicating these as synonyms. As needed, the practice is continued in this notice.

In former notices of review, the Service identified Category 2 candidates as taxa for which information in the possession of the Service indicated that

proposing to list as endangered or threatened was possibly appropriate, but for which sufficient data on biological vulnerability and threat were not currently available to support proposed rules. The quality of information varied greatly among the former Category 2 species, but they all shared one trait—sufficient information to justify issuance of a proposed rule was lacking. The designation of Category 2 species as candidates resulted in confusion about the conservation status of these taxa. To reduce that confusion, and to clarify that the Service does not regard these species as candidates for listing, the Service is discontinuing the designation of Category 2 species as candidates in this notice. The Service remains concerned about these species, but further biological research and field study are needed to resolve the conservation status of these taxa. Many species of concern will be found not to warrant listing, either because they are not threatened or endangered or because they do not qualify as species under the definition in the Act. Others may be found to be in greater danger of extinction than some present candidate taxa. The Service is working with the States and other private and public interests to assess their need for protection under the Act. Such species are the pool from which future candidates for listing will be drawn.

In previous plant notices of review, single asterisks were used to indicate taxa in categories 1 and 2 that were believed to be possibly gone from the wild, and double asterisks to indicate any such taxa that were also known to be extant in cultivation. Such species do not meet the definition established for candidates. Since the practice does not apply to candidate species, it is discontinued in this notice.

Taxa that once were considered for listing as threatened or endangered but are no longer under such consideration were historically included in Category 3. Such taxa were further divided into three subcategories to indicate the reason(s) for their removal from consideration. The subcategories associated with the former Category 3 status were described as follows:

3A—Taxa for which the Service has persuasive evidence of extinction. If rediscovered, such taxa might acquire high priority for listing. At this time, however, the best available information indicates that the taxa in this subcategory, or the habitats from which they were known, have been lost.

3B—Names that, on the basis of current taxonomic understanding (usually as represented in published

revisions and monographs), do not represent distinct taxa meeting the Act's definition of "species." Such supposed taxa could be reevaluated in the future on the basis of new information.

3C—Taxa that have proven to be more abundant or widespread than previously believed as well as taxa that are not subject to any identifiable threat. If further research or changes in habitat indicate a significant decline in any of these taxa, they may be reevaluated for possible inclusion as candidates. The designation of Category 3 is discontinued, but the Service will retain all Category 3 information in case future reviews are conducted on these taxa. Future notices of review will only mention such taxa if they were included in the previous notice of review as candidate species.

Taxa that were placed in Category 3 are not candidates for listing. The Service is aware of some misinterpretations that have been made of Category 3 subcategories in the past. In particular, Category 3A has been interpreted as either a comprehensive compilation of extinct species or as a list of species that became extinct while undergoing status review. Neither interpretation is correct. In fact, status review of the overwhelming majority of species identified in Category 3A revealed that extinction occurred well before passage of the Endangered Species Act of 1973. A common misinterpretation of Category 3C is that a status review indicates those species have special sensitivity or vulnerability to extinction. Although this might be true of some of them, it is not necessarily true of all or even a majority of them.

Current Notice

The Service gathers data on plants and animals native to the United States that appear to merit consideration for addition to the List of Endangered and Threatened Wildlife and Plants. This notice identifies those species (including, by definition, biological subspecies and certain distinct population segments of vertebrate animals) that are presently regarded by the Service as candidates for addition to the List of Endangered and Threatened Wildlife and Plants. In issuing this compilation, the Service relies on information from status surveys conducted for candidate assessment and on information from State Heritage Programs, other State and Federal Agencies (such as the Forest Service and the Bureau of Land Management), knowledgeable scientists, public and private natural resource interests, and

comments received in response to previous notices of review.

Tables 1 and 2 are arranged alphabetically by names of genera, species, and relevant subspecies under the major group headings (class or order as it provides a practical grouping) for animals first, then plants. Useful synonyms and subgeneric scientific names appear in parentheses (the synonyms preceded by an equal sign) and are displaced to the right in some instances to avoid affecting the alphabetical order. Some taxa that have not yet been formally described in the scientific literature have been included. Such taxa are identified by a generic or specific name (in italics) followed by "sp." or "ssp." (not italicized, or alphabetized).

Standardized common names are incorporated in these notices as they become available. The flux in common names, the inclusion of vernacular and composite subspecific names, and the fact that a majority of invertebrates still lack a standardized name combine to make common names relatively useless for organizing the tables. This notice also presents a group name (in parentheses) for many species, notably mollusks and insects, whose standardized common name given alone would have little recognition value to most readers.

Table 1 lists all species proposed for listing and species regarded by the Service as candidates for listing under the Act. Table 2 lists those species that were classified either as proposed for listing or Category 1 candidates in the 1993 plant notice of review or the 1994 animal notice of review, but are no longer classified as candidates or proposed species. Many of the species in Table 2 do not meet the information standards prescribed for candidate species. Some require additional research or status reviews before their conservation status under the Act can be resolved. As such information becomes available, the Service will evaluate whether these species warrant protection under the Act.

Taxa in Table 1 of this notice are assigned to several status categories, noted in the "Category" column at the left side of the table.

Codes for the category status column of taxa in Table 1 are explained below:

PE—Taxa proposed to be listed as endangered.

PT—Taxa proposed to be listed as threatened.

Y—Synonyms of taxa that are listed elsewhere in Table 1.

C—Taxa for which the Service has on file sufficient information on biological vulnerability and threat(s) to support

proposals to list them as endangered or threatened species. Proposed rules have not yet been issued because this action is precluded at present by other listing activity. Development and publication of proposed rules for these taxa are anticipated. The Service encourages State and other Federal agencies as well as other affected parties to give consideration to these taxa in environmental planning.

The column labeled "Priority" indicates the listing priority number for candidate species. This number is assigned on the basis of immediacy and magnitude of threats as well as taxonomic status. A complete description of the Service's listing priority system was published in a September 21, 1983 Federal Register notice (48 FR 43098).

Column 3 identifies the Regional office (numeric code) to which comments or questions should be directed (see ADDRESSES section). Comments received in response to the 1993 plant notice of review and 1994 animal notice of review were provided for review to the Region having lead responsibility for each candidate taxon mentioned in the comment. The Service will likewise consider all information provided in response to this notice of review in deciding whether or not to propose species for listing and when to undertake necessary listing actions. Comments received will become part of the administrative record for the species mentioned.

Following the scientific name of each taxon (fourth column) is the family designation (fifth column) and any common name (sixth column). The seventh column provides the known historical ranges for all included taxa, indicated by postal code abbreviations for States and U.S. possessions (many taxa may no longer occur in all of the areas shown). In the section on birds, the abbreviation "N" indicates the nesting range of the species, and the abbreviation "V" indicates additional areas in which the species spends other parts of its life cycle.

Taxa in Table 2 of this notice were included either as proposed species or as Category 1 candidates in the 1993 plant notice of review or the 1994 animal notice of review but have since been removed from such status for a variety of reasons. Many of the species listed in the last notices of review as proposed have now been added to the lists of Endangered or Threatened Wildlife and Plants. The first column indicates the present status of the species, using the following codes:

E—Taxa that have been listed as endangered.

T—Taxa that have been listed as threatened.

R—Taxa for which currently available information does not support issuance of a proposed listing.

Y—Synonyms of taxa listed elsewhere in Table 2.

The second column provides a coded explanation of why the species is no longer regarded as a candidate species. Descriptions of the codes are as follows:

A—Taxa that have proven to be more abundant or widespread than previously believed or those that are not subject to any identifiable threat.

F—Taxa removed from candidate status because the range is no longer a U.S. Territory.

I—Taxa for which the Service has insufficient information on biological vulnerability and threat(s) to support issuance of a proposed rule to list.

L—Taxa added to the lists of endangered or threatened wildlife and plants.

M—Taxa mistakenly included as Category 1 in the last plant or animal notice of review.

N—Taxa that on the basis of current taxonomic understanding may not meet the Act's definition of "species".

X—Taxa that are believed to be extinct.

The columns describing lead agency and region, scientific name, family, common name, and historic range include information as previously described for Table 1.

Summary

Over the past year, the Service completed an exhaustive review of the candidate species to ensure that they truly warranted issuance of a proposed listing and to reevaluate the relative listing priority of each species. The Service undertook this effort to ensure that it was focusing conservation efforts on those species at greatest risk. As of the date of this publication, there are 159 plants and 34 animals proposed for endangered status; 37 plants and 8 animals proposed for threatened status; and 84 plant and 98 animal candidates awaiting preparation of proposed rules (see Table 1). Including synonyms, there are 303 taxa that were classified as either proposed for listing or Category 1 candidates in the 1993 plant notice of review or 1994 animal notice of review that are no longer classified in those categories (see Table 2).

Request for Information

The Service hereby requests that any further information on the taxa named in this notice be submitted as soon as possible or whenever it becomes available. Especially sought is information:

- (1) indicating that a taxon should be removed from this list;
- (2) indicating that a taxon not included in the notice should be added to the list of candidate species;
- (3) recommending an area as critical habitat for a candidate taxon, or indicating that a proposal of critical habitat would not be prudent for a taxon;
- (4) documenting threats to any of the included taxa;
- (5) describing the immediacy or magnitude of threats facing candidate taxa;

- (6) pointing out taxonomic or nomenclatural changes for any of the taxa;
 - (7) suggesting appropriate common names; or
 - (8) noting any mistakes, such as errors in the indicated historical distributions.
- The Service will consider all information received in response to this notice. Substantive changes will be announced by periodic supplemental or revised notices in the Federal Register.
- Author**
- This notice was compiled from evaluations by the staff biologists in the Service's Regional Offices and Field Stations. It was compiled and edited by

Drs. George Drewry and Richard Sayers, Jr., of the Service's Headquarters Office.

List of Subjects in 50 CFR Part 17

Endangered and threatened species, Exports, Imports, Reporting and recordkeeping requirements, and Transportation.

Authority

This notice is published under the authority of the Endangered Species Act (16 U.S.C. 1531 *et seq.*)

Dated: February 16, 1996.

John G. Rogers,
Acting Director, U.S. Fish and Wildlife Service.

Table 1—Proposed and Candidate Animals and Plants

Status		Lead Region	Scientific name	Family	Common name	Historic range
Category	Priority					
MAMMALS.						
C	3	R2	<i>Conepatus leuconotus texensis</i>	Mustelidae	Skunk, Gulf Coast hog-nosed	U.S.A. (TX), Mexico.
C	3	R1	<i>Dipodomys merriami parvus</i>	Heteromyidae	Kangaroo rat, San Bernadino Merriam's.	U.S.A. (CA).
C	3	R1	<i>Emballonura semicaudata</i>	Emballonuridae	Bat, sheath-tailed (Agiguan, American Samoa populations).	U.S.A. (AS, CM (Agiguan)).
C	3	R1	<i>Neotoma fuscipes riparia</i>	Muridae	Woodrat, San Joaquin Valley	U.S.A. (CA).
PE		R1	<i>Ovis canadensis cremnobates</i>	Bovidae	Bighorn sheep, Peninsular Ranges population.	U.S.A. (CA), Mexico.
PE		R2	<i>Panthera onca</i>	Felidae	Jaguar, U.S. population	U.S.A. (AZ, CA, LA, NM, TX).
C	3	R4	<i>Peromyscus polionotus peninsularis</i>	Muridae	Mouse, St. Andrews beach	U.S.A. (FL).
C	3	R1	<i>Pteropus mariannus mariannus</i>	Pteropodidae	Flying fox, Mariana (Agiguan, Tinian, Saipan pops.).	U.S.A. (MP).
C	6	R1	<i>Sorex ornatus relictus</i>	Soricidae	Shrew, Buena Vista Lake ornate	U.S.A. (CA).
C	3	R1	<i>Spermophilus brunneus brunneus</i>	Sciuridae	Squirrel, Northern Idaho ground	U.S.A. (ID).
C	3	R1	<i>Sylvilagus bachmani riparius</i>	Leporidae	Rabbit, Riparian brush	U.S.A. (CA).
C	12	R4	<i>Ursus americanus floridanus</i>	Ursidae	Bear, Florida black	U.S.A. (FL, GA).
C	8	R6	<i>Vulpes velox</i>	Canidae	Fox, Swift (U.S. population)	U.S.A. (CO, IA, KS, MN, MT, ND, NE, NM, OK, SD, TX, WY).
BIRDS.						
C	2	R6	<i>Charadrius montanus</i>	Charadriidae	Plover, mountain	N=CO, KS, MT, ND, NE, NM, OK, SD, TX, UT, WY; V=AZ, CA, NV, Mexico.
Y		R1	<i>Chasiempis sandwichensis gayi</i>	*** see ***	Chasiempis sandwichensis ibidus	
C	3	R1	<i>Chasiempis sandwichensis ibidus</i>	Musicapidae	Elepaio, Oahu	U.S.A. (HI).
C	6	R1	<i>Gallinolumba stairi</i>	Columbidae	Dove, Friendly ground	U.S.A. (AS).
PE		R2	<i>Glaucidium brasilianum cactorum</i>	Strigidae	Pygmy-owl, cactus ferruginous (AZ population).	U.S.A. (AZ, TX), Mexico.
PT		R2	<i>Glaucidium brasilianum cactorum</i>	Strigidae	Pygmy-owl, cactus ferruginous (TX population).	U.S.A. (AZ, TX), Mexico.
C	5	R1	<i>Oreomystis bairdi</i>	Fringillidae	Creeper, Kauai	U.S.A. (HI).
PT		R7	<i>Polysticta stelleri</i>	Anatidae	Eider, Steller's (AK breeding pop.)	U.S.A. (AK), Russia.
C	6	R1	<i>Porzana tubuensis</i>	Rallidae	Crake, spotless	U.S.A. (AS).
C	6	R1	<i>Ptilinopus perousii perousii</i>	Columbidae	Dove, many-colored fruit	U.S.A. (AS).
C	6	R1	<i>Zosterops conspicillatus rotensis</i>	Zosteropidae	White-eye, Rota bridled	U.S.A. (MP).
REPTILES.						
PE		R1	<i>Anniella pulchra nigra</i>	Anniellidae	Lizard, black legless	U.S.A. (CA).
C	3	R5	<i>Clemmys muhlenbergii</i>	Emydidae	Turtle, Bog (northern pop.)	U.S.A. (CT, DE, MA, MD, NY, NJ, PA, RI).
C	5	R2	<i>Graptemys caglei</i>	Emydidae	Turtle, Cagle's map	U.S.A. (TX).

Table 1—Proposed and Candidate Animals and Plants—Continued

Status	Lead Region	Scientific name	Family	Common name	Historic range	
						Category	Priority
PE ..	.....	R1 ..	<i>Masticophis lateralis euryxanthus</i>	Colubridae	Whipsnake, (=striped racer) Alameda.	U.S.A. (CA).
PT ...	.....	R3 ..	<i>Nerodia erythrogaster neglecta</i>	Colubridae	Snake, northern copperbelly water ..	U.S.A. (IL, IN, KY, MI, OH).
PT ...	.....	R3 ..	<i>Nerodia sipedon insularum</i>	Colubridae	Snake, Lake Erie water	U.S.A. (OH), Canada.
PT ...	.....	R1 ..	<i>Phrynosoma mcallii</i>	Iguanidae	Lizard, flat-tailed horned	U.S.A. (AZ, CA), Mexico.
AMPHIBIANS.						
C	8	R1 ..	<i>Ambystoma californiense</i> (=A. <i>tigrinum</i> c.)	Ambystomatidae ...	Salamander, California tiger	U.S.A. (CA).
PE ..	.....	R2 ..	<i>Ambystoma tigrinum stebbinsi</i>	Ambystomatidae ...	Sonoran tiger salamander	U.S.A. (AZ), Mexico.
C	3	R6 ..	<i>Bufo boreas boreas</i>	Bufoinae	Toad, boreal (Southern Rocky Mountain population).	U.S.A. (CO, NM, WY).
PT ...	.....	R4 ..	<i>Eleutherodactylus cooki</i>	Leptodactylidae	Guajon or rock frog	U.S.A. (PR).
PE ..	.....	R2 ..	<i>Eurycea sosorum</i>	Plethodontidae	Salamander, Barton Springs	U.S.A. (TX).
PE ..	.....	R1 ..	<i>Rana aurora draytoni</i>	Ranidae	Frog, California red-legged	U.S.A. (CA), Mexico.
C	2	R2 ..	<i>Rana chiricahuensis</i>	Ranidae	Frog, Chiricahua leopard	U.S.A. (AZ, NM), Mexico.
C	6	R1 ..	<i>Rana pretiosa</i>	Ranidae	Spotted frog (Great Basin pop.)	U.S.A. (ID, NV)
C	3	R6 ..	<i>Rana pretiosa</i>	Ranidae	Frog, spotted (Wasatch Front pop. UT).	U.S.A. (UT).
C	6	R1 ..	<i>Rana pretiosa</i>	Ranidae	Spotted frog (West Coast pop.)	U.S.A. (CA, OR, WA)
C	6	R6 ..	<i>Rana pretiosa</i>	Ranidae	Frog, spotted (West Desert pop. UT)	U.S.A. (UT).
C	2	R2 ..	<i>Rana subaquavocalis</i>	Ranidae	Frog, Ramsey Canyon leopard	U.S.A. (AZ).
FISHES.						
C	2	R2 ..	<i>Cyprinodon pecosensis</i>	Cyprinodontidae ...	Pupfish, Pecos	U.S.A. (NM, TX).
C	2	R2 ..	<i>Dionda diaboli</i>	Cyprinidae	Minnow, Devils River	U.S.A. (TX), Mexico.
C	5	R6 ..	<i>Etheostoma cragini</i>	Percidae	Darter, Arkansas	U.S.A. (AR, CO, KS, MO, OK).
C	3	R1 ..	<i>Gila bicolor</i> ssp.	Cyprinidae	High Rock Springs tui chub	U.S.A. (CA).
C	3	R1 ..	<i>Gila bicolor vaccaiceps</i>	Cyprinidae	Tui chub, Cowhead Lake	U.S.A. (CA).
PE ..	.....	R6 ..	<i>lotichthys phlegethontis</i>	Cyprinidae	Chub, least	U.S.A. (UT).
C	2	R6 ..	<i>Macrhybopsis</i> (=Hybopsis) <i>gelida</i> ...	Cyprinidae	Chub, sturgeon	U.S.A. (AR, IA, IL, KY, KS, LA, MO, MS, MT, NE, ND, SD, TN, WY).
C	2	R6 ..	<i>Macrhybopsis</i> (=Hybopsis) <i>meeki</i> ...	Cyprinidae	Chub, sicklefin	U.S.A. (AR, IA, IL, KS, KY, LA, MO, MS, NE, ND, SD, TN).
PE ..	.....	R2 ..	<i>Notropis girardi</i>	Cyprinidae	Shiner, Arkansas River (native pop. only).	U.S.A. (AR, KS, NM, OK, TX).
C	2	R6 ..	<i>Notropis topeka</i> (=tristis)	Cyprinidae	Shiner, Topeka	U.S.A. (IA, KS, MN, MO, NE, SD).
C	3	R1 ..	<i>Oncorhynchus</i> (=Salmo) <i>mykiss</i> ssp.	Salmonidae	Trout, McCloud R. redband	U.S.A. (CA).
PT ...	.....	R1 ..	<i>Pogonichthys macrolepidotus</i>	Cyprinidae	Splittail, Sacramento	U.S.A. (CA).
PT ...	.....	R5 ..	<i>Salmo salar</i>	Salmonidae	Atlantic salmon (distinct pop. in 7 Maine rivers).	U.S.A., Canada, Greenland, western Europe
C	9	R1 ..	<i>Salvelinus confluentus</i>	Salmonidae	Trout, bull	U.S.A. (CA, ID, MT, NV, OR, WA).
C	9	R6 ..	<i>Thymallus arcticus</i>	Salmonidae	Grayling, Arctic (Upper Missouri R. fluvial pop.).	U.S.A. (MT, WY).
Y .....	.....	R6 ..	<i>Thymallus arcticus montanus</i>	*** see ***	Thymallus arcticus	
CLAMS.						
PE ..	.....	R4 ..	<i>Alasmidonta atropurpurea</i> (Rafinesque, 1831).	Unionidae	Elktoe, Cumberland	U.S.A. (KY, TN).
PE ..	.....	R4 ..	<i>Amblema neislerii</i> (I. Lea, 1858)	Unionidae	Mussel, fat three-ridge	U.S.A. (FL, GA).
PE ..	.....	R4 ..	<i>Elliptio chipolaensis</i>	Unionidae	Slabshell, Chipola	U.S.A. (AL, FL).
PE ..	.....	R4 ..	<i>Elliptioideus sloatianus</i> (I. Lea, 1840)	Unionidae	Bankclimber, purple	U.S.A. (AL, GA, FL).
PE ..	.....	R4 ..	<i>Epioblasma brevidens</i> (I. Lea, 1831)	Unionidae	Combshell, Cumberlandian	U.S.A. (AL, KY, TN, VA).
PE ..	.....	R4 ..	<i>Epioblasma capsaeformis</i> (I. Lea, 1834).	Unionidae	Mussel, oyster	U.S.A. (AL, KY, TN, VA).
PE ..	.....	R4 ..	<i>Lampsilis subangulata</i> (I. Lea, 1840)	Unionidae	Pocketbook, shiny-rayed	U.S.A. (AL, FL, GA).
PE ..	.....	R4 ..	<i>Medionidus penicillatus</i>	Unionidae	Gulf moccasinshell	U.S.A. (AL, FL, GA).
PE ..	.....	R4 ..	<i>Medionidus simpsonianus</i>	Unionidae	Ochlockonee moccasinshell	U.S.A. (FL, GA).
PE ..	.....	R4 ..	<i>Pleurobema pyriforme</i> (I. Lea, 1857)	Unionidae	Pigtoe, oval	U.S.A. (AL, FL, GA).

Table 1—Proposed and Candidate Animals and Plants—Continued

Category	Status	Priority	Lead Region	Scientific name	Family	Common name	Historic range
PE ..	.....	R4 ..		<i>Quadrula cylindrica strigillata</i> (B.H.Wright, 1898).	Unionidae	Rabbitsfoot, rough	U.S.A. (KY, TN, VA).
PE ..	.....	R4 ..		<i>Villosa perpurpurea</i> (L. Lea, 1861)	Unionidae	Bean, Purple	U.S.A. (TN, VA).
				SNAILS.			
C	7	R3 ..		<i>Antrobia culveri</i> (Hubricht, 1971)	Hydrobiidae	Cavesnail, Tumbling Creek	U.S.A. (MO).
C	11	R2 ..		<i>Assimineia pecos</i> Taylor, 1987	Assimineidae	Snail, Pecos <i>assimineia</i>	U.S.A. (NM, TX), Mexico.
C	5	R4 ..		<i>Elimia crenatella</i> (L. Lea, 1860)	Pleuroceridae	Elimia (snail), lacy	U.S.A. (AL).
C	7	R1 ..		<i>Erinna newcombi</i>	Lymnaeidae	Snail, Newcomb's	U.S.A. (HI).
C	2	R1 ..		<i>Eua zebrina</i>	Partulidae	Snail, Tutuila tree	U.S.A. (AS).
C	5	R4 ..		<i>Leptoxis ampla</i> (Anthony, 1855)	Pleuroceridae	Rocksnailed, round	U.S.A. (AL).
C	5	R4 ..		<i>Leptoxis plicata</i> (Conrad, 1834)	Pleuroceridae	Rocksnailed, plicate	U.S.A. (AL).
C	5	R4 ..		<i>Leptoxis taeniata</i> (Conrad, 1834)	Pleuroceridae	Rocksnailed, painted	U.S.A. (AL).
C	5	R4 ..		<i>Lepyrium showalteri</i> (L. Lea, 1861)	Hydrobiidae	Pebblesnail, flat	U.S.A. (AL).
C	5	R4 ..		<i>Lioplax cyclostomaformis</i> (L. Lea, 1841).	Viviparidae	Lioplax (snail), cylindrical	U.S.A. (AL, GA, LA).
C	9	R6 ..		<i>Oreohelix peripherica wasatchensis</i>	Oreohelicidae	Mountainsnail, Ogden Rocky	U.S.A. (UT).
C	2	R1 ..		<i>Ostodes strigatus</i>	Potariidae	Snail, (no common name)	U.S.A. (AS).
C	2	R1 ..		<i>Partula gibba</i>	Partulidae	Snail, Humped tree	U.S.A. (GU).
C	2	R1 ..		<i>Partula langfordi</i>	Partulidae	Snail, Langford's tree	U.S.A. (GU).
C	2	R1 ..		<i>Partula radiolata</i>	Partulidae	Snail, Guam tree	U.S.A. (GU).
C	8	R2 ..		<i>Pyrgulopsis</i> (= " <i>Fontelicella</i> ") <i>chupadae</i> (= <i>chupaderae</i>) Taylor, 1987.	Hydrobiidae	Springsnail, Chupadera	U.S.A. (NM).
C	11	R2 ..		<i>Pyrgulopsis</i> (= " <i>Fontelicella</i> ") <i>gilae</i> Taylor, 1987.	Hydrobiidae	Springsnail, Gila	U.S.A. (NM).
C	2	R2 ..		<i>Pyrgulopsis morrisoni</i> Hershler, 1988.	Hydrobiidae	Springsnail, Page	U.S.A. (AZ).
C	11	R2 ..		<i>Pyrgulopsis</i> (= " <i>Fontelicella</i> ") <i>roswellensis</i> Taylor, 1987.	Hydrobiidae	Springsnail, Roswell	U.S.A. (NM).
C	11	R2 ..		<i>Pyrgulopsis</i> (= " <i>Fontelicella</i> ") <i>thermalis</i> Taylor, 1987.	Hydrobiidae	Hotspring snail, New Mexico	U.S.A. (NM).
C	5	R2 ..		<i>Pyrgulopsis thompsoni</i> Hershler, 1988.	Hydrobiidae	Springsnail, Huachuca	U.S.A. (AZ), Mexico.
C	2	R1 ..		<i>Samoana fragilis</i>	Partulidae	Snail, fragile tree	U.S.A. (GU).
PE ..	.....	R2 ..		<i>Sonorella eremita</i> (Pilsbry & Ferris, 1915).	Helminthoglyptida	Talusnail, San Xavier	U.S.A. (AZ).
C	5	R2 ..		<i>Sonorella macrophallus</i> Fairbanks & Reeder, 1980.	Helminthoglyptida	Talusnail, Wet Canyon	U.S.A. (AZ).
C	2	R6 ..		<i>Stagnicola bonnevillensis</i> (Call, 1884).	Lymnaeidae	Pondsnail, fat-whorled	U.S.A. (UT).
C	5	R2 ..		<i>Tryonia adamantina</i> Taylor, 1987	Hydrobiidae	Springsnail, Diamond Y	U.S.A. (TX).
C	11	R2 ..		<i>Tryonia kosteri</i> Taylor, 1987	Hydrobiidae	Tryonia (springsnail), Koster's	U.S.A. (NM).
C	5	R2 ..		<i>Tryonia stocktonensis</i> Taylor, 1987	Hydrobiidae	Tryonia (springsnail), Gonzales Spring.	U.S.A. (TX).
				INSECTS.			
C	2	R1 ..		<i>Megalagrion leptodemus</i>	Coenagrionidae	Damselfly, leptodemus megalagrion	U.S.A. (HI).
C	2	R1 ..		<i>Megalagrion nesiotes</i>	Coenagrionidae	Damselfly, nesiotes megalagrion	U.S.A. (HI).
C	2	R1 ..		<i>Megalagrion nigrohamatum</i> <i>nigrolineatum</i> .	Coenagrionidae	Damselfly, blackline megalagrion	U.S.A. (HI).
Y .....	.....	R1 ..		<i>Megalagrion nigrolineatum</i>	*** see ***	Megalagrion nigrohamatum <i>nigrolineatum</i> .	
C	2	R1 ..		<i>Megalagrion oceanicum</i>	Coenagrionidae	Damselfly, oceanic megalagrion	U.S.A. (HI).
C	2	R1 ..		<i>Megalagrion pacificum</i>	Coenagrionidae	Damselfly, Pacific megalagrion	U.S.A. (HI).
C	8	R1 ..		<i>Megalagrion xanthomelas</i>	Coenagrionidae	Damselfly, orangeblack megalagrion	U.S.A. (HI).
PE ..	.....	R1 ..		<i>Trimerotropis infantilis</i>	Acrididae	Grasshopper, Zayante band-winged	U.S.A. (CA).
C	3	R6 ..		<i>Cicindela limbata albissima</i>	Cicindelidae	Beetle, Coral Pink Sand Dunes tiger	U.S.A. (UT).
PE ..	.....	R2 ..		<i>Heterelmis comalensis</i>	Elmidae	Beetle, Comal Springs riffle	U.S.A. (TX).
PE ..	.....	R1 ..		<i>Pleocoma conjugens conjugens</i>	Scarabaeidae	Beetle, Santa Cruz rain	U.S.A. (CA).
PE ..	.....	R1 ..		<i>Polyphylla barbata</i>	Scarabaeidae	Beetle, Mount Hermon June	U.S.A. (CA).
C	2	R5 ..		<i>Pseudanopthalmus holsingeri</i>	Carabidae	Beetle, Holsinger's cave	U.S.A. (VA).
PE ..	.....	R2 ..		<i>Stygoparnus comalensis</i>	Dryopidae	Comal Springs dryopid beetle	U.S.A. (TX).
C	8	R6 ..		<i>Zaitzevia thermae</i>	Elmidae	Beetle, warm spring zaitzevian riffle	U.S.A. (MT).
C	2	R1 ..		<i>Drosophila aglaia</i>	Drosophilidae	Pomace fly (no common name)	U.S.A. (HI).
C	2	R1 ..		<i>Drosophila alsophila</i>	Drosophilidae	Pomace fly (no common name)	U.S.A. (HI).
C	2	R1 ..		<i>Drosophila attigua</i>	Drosophilidae	Pomace fly (no common name)	U.S.A. (HI).
C	2	R1 ..		<i>Drosophila digressa</i>	Drosophilidae	Pomace fly (no common name)	U.S.A. (HI).
C	2	R1 ..		<i>Drosophila hemipeza</i>	Drosophilidae	Pomace fly (no common name)	U.S.A. (HI).

Table 1—Proposed and Candidate Animals and Plants—Continued

Status	Lead Region	Scientific name	Family	Common name	Historic range	
						Category	Priority
C	2	R1	<i>Drosophila heteroneura</i>	Drosophilidae	Pomace fly (no common name)	U.S.A. (HI)
C	2	R1	<i>Drosophila montgomeryi</i>	Drosophilidae	Pomace fly (no common name)	U.S.A. (HI)
C	2	R1	<i>Drosophila mulli</i>	Drosophilidae	Pomace fly (no common name)	U.S.A. (HI)
C	2	R1	<i>Drosophila musaphila</i>	Drosophilidae	Pomace fly (no common name)	U.S.A. (HI)
C	2	R1	<i>Drosophila neoclavisetae</i>	Drosophilidae	Pomace fly (no common name)	U.S.A. (HI)
C	2	R1	<i>Drosophila obatai</i>	Drosophilidae	Pomace fly (no common name)	U.S.A. (HI)
C	2	R1	<i>Drosophila psilotarsalis</i>	Drosophilidae	Pomace fly (no common name)	U.S.A. (HI)
C	2	R1	<i>Drosophila substenoptera</i>	Drosophilidae	Pomace fly (no common name)	U.S.A. (HI)
C	2	R1	<i>Drosophila tarphitrichia</i>	Drosophilidae	Pomace fly (no common name)	U.S.A. (HI)
C	2	R1	<i>Drosophila toxochaeta</i>	Drosophilidae	Pomace fly (no common name)	U.S.A. (HI)
C	5	R1	<i>Phaeogramma</i> sp.	Tephritidae	Fly, Po'olanui gall	U.S.A. (HI).
PE		R1	<i>Euphydryas editha quino</i> (= <i>E. e. wrighti</i>).	Nymphalidae	Butterfly, Quino checkerspot	U.S.A. (CA), Mexico.
C	2	R1	<i>Euploea eleutho</i>	Danaidae	Butterfly, Marianas euploea	U.S.A. (MP).
C	3	R1	<i>Icaricia icarioides fenderi</i>	Lycaenidae	Butterfly, Fender's blue	U.S.A. (OR).
C	2	R1	<i>Manduca blackburni</i>	Sphingidae	Moth, Blackburn's sphinx	U.S.A. (HI).
PE		R1	<i>Pyrgus ruralis lagunae</i>	Hesperiidae	Skipper, Laguna Mountains	U.S.A. (CA).
PE		R1	<i>Speyeria callippe callippe</i>	Nymphalidae	Butterfly, Callippe silverspot	U.S.A. (CA).
PE		R1	<i>Speyeria zerene behrensii</i>	Nymphalidae	Butterfly, Behren's silverspot	U.S.A. (CA).
ARACHNIDS.						
C	1	R1	<i>Adelocosa anops</i>	Lycosidae	Spider, Kauai cave wolf or pe'e pe'e maka 'ole.	U.S.A. (HI).
C	2	R2	<i>Cicurina wartoni</i>	Dictynidae	Spider, Warton's cave	U.S.A. (TX).
CRUSTACEANS.						
PE		R1	<i>Branchinecta sandiegoensis</i>	Branchinectidae	Fairy shrimp, San Diego	U.S.A. (CA).
C	2	R3	<i>Gammarus acherondytes</i>	Gammaridae	Amphipod, Illinois cave	U.S.A. (IL).
C	1	R1	<i>Spelaeorchestia koloana</i>	Talitridae	Amphipod, Kauai cave	U.S.A. (HI).
PE		R2	<i>Stygobromus</i> (= <i>Stygonectes</i>) <i>pecki</i>	Crangonyctidae	Peck's cave amphipod	U.S.A. (TX).
FLOWERING PLANTS.						
Y		R5	<i>Abama americanum</i>	*** see ***	Narthecium americanum	
Y		R5	<i>Abama montana</i>	*** see ***	Narthecium americanum	
C	8	R1	<i>Abronia alpina</i>	Nyctaginaceae	Ramshaw sand-verbena	U.S.A. (CA).
PE		R1	<i>Acanthomintha ilicifolia</i>	Lamiaceae	San Diego thornmint	U.S.A. (CA), Mexico (Baja California). U.S.A. (HI)
PE		R1	<i>Achyranthes mutica</i>	Amaranthaceae	None	U.S.A. (HI)
Y		R1	<i>Achyranthes nelsonii</i>	*** see ***	<i>Achyranthes mutica</i>	
Y		R1	<i>Allium fimbriatum</i> var. <i>munzii</i>	*** see ***	<i>Allium munzii</i>	
C	8	R2	<i>Allium gooddingii</i>	Liliaceae	Goodding's onion	U.S.A. (AZ, NM).
PE		R1	<i>Allium munzii</i>	Liliaceae	Munz's onion	U.S.A. (CA).
Y		R1	<i>Allium sanbornii</i> var. <i>tuolumnense</i>	*** see ***	<i>Allium tuolumnense</i>	
PT		R1	<i>Allium tuolumnense</i>	Liliaceae	Rawhide Hill onion	U.S.A. (CA).
PE		R1	<i>Alopecurus aequalis</i> var. <i>sonomensis</i> .	Poaceae	Sonoma alopecurus	U.S.A. (CA).
PE		R1	<i>Alsinidendron lychnoides</i>	Caryophyllaceae	Kuawawaenuhu	U.S.A. (HI).
PE		R1	<i>Alsinodendron viscosum</i>	Caryophyllaceae	None	U.S.A. (HI)
PE		R1	<i>Amaranthus brownii</i>	Amaranthaceae	None	U.S.A. (HI).
PE		R1	<i>Arabis hoffmannii</i>	Brassicaceae	Hoffmann's Rock-cress	U.S.A. (CA).
PT		R1	<i>Arabis johnstonii</i>	Brassicaceae	Johnston's rock-cress	U.S.A. (CA).
C	2	R6	<i>Arabis pusilla</i>	Brassicaceae	Small rock-cress	U.S.A. (WY).
Y		R1	<i>Arctostaphylos andersonii</i> var. <i>pallida</i> .	*** see ***	<i>Arctostaphylos pallida</i>	
PE		R1	<i>Arctostaphylos confertiflora</i>	Ericaceae	Santa Rosa Island manzanita	U.S.A. (CA).
PE		R1	<i>Arctostaphylos glandulosa</i> ssp. <i>crassifolia</i> .	Ericaceae	Del Mar manzanita	U.S.A. (CA).
PT		R1	<i>Arctostaphylos imbricata</i>	Ericaceae	San Bruno Mountain manzanita	U.S.A. (CA).
Y		R1	<i>Arctostaphylos imbricata</i> ssp. <i>imbricata</i> .	*** see ***	<i>Arctostaphylos imbricata</i>	
C	8	R1	<i>Arctostaphylos myrtifolia</i>	Ericaceae	Lone manzanita	U.S.A. (CA).
PT		R1	<i>Arctostaphylos pallida</i>	Ericaceae	Pallid manzanita	U.S.A. (CA).
Y		R1	<i>Arctostaphylos uva-ursi</i> ssp. <i>myrtifolia</i> .	*** see ***	<i>Arctostaphylos myrtifolia</i>	
PT		R1	<i>Arenaria ursina</i>	Caryophyllaceae	Bear Valley sandwort	U.S.A. (CA).
C	2	R1	<i>Astelia waialealae</i>	Liliaceae	Pa'iniu	U.S.A. (HI)
PE		R1	<i>Astragalus brauntonii</i>	Fabaceae	Braunton's milk-vetch	U.S.A. (CA).
PE		R1	<i>Astragalus clarianus</i>	Fabaceae	Clara Hunt's milk-vetch	U.S.A. (CA).
C	2	R6	<i>Astragalus desereticus</i>	Fabaceae	Deseret milk-vetch	U.S.A. (UT).
C	8	R6	<i>Astragalus equisolensis</i>	Fabaceae	Horseshoe milk-vetch	U.S.A. (UT).

Table 1—Proposed and Candidate Animals and Plants—Continued

Category	Status	Priority	Lead Region	Scientific name	Family	Common name	Historic range		
C	3	.....	R6	..	<i>Astragalus eremiticus</i> var. <i>ampullarioides</i> .	Fabaceae	Shem milk-vetch	U.S.A. (UT).
C	2	.....	R6	..	<i>Astragalus holmgreniorum</i>	Fabaceae	Holmgren milk-vetch	U.S.A. (AZ, UT).
PE	R1	..	<i>Astragalus jaegerianus</i>	Fabaceae	Lane Mountain (=Coolgardie) milk-vetch.	U.S.A. (CA).
PE	R1	..	<i>Astragalus lentiginosus</i> var. <i>coachellae</i> .	Fabaceae	Coachella Valley milk-vetch	U.S.A. (CA).
PT	R1	..	<i>Astragalus lentiginosus</i> var. <i>micans</i>	Fabaceae	Shining (=shiny) milk-vetch	U.S.A. (CA).
PE	R1	..	<i>Astragalus lentiginosus</i> var. <i>piscinensis</i> .	Fabaceae	Fish Slough milk-vetch	U.S.A. (CA).
PT	R1	..	<i>Astragalus lentiginosus</i> var. <i>sesquimetalis</i> .	Fabaceae	Sodaville milk-vetch	U.S.A. (CA, NV).
PE	R1	..	<i>Astragalus magdalenae</i> var. <i>peirsonii</i> .	Fabaceae	Peirson's milk-vetch	U.S.A. (CA).
C	3	.....	R1	..	<i>Astragalus oophorus</i> var. <i>clokeyanus</i> .	Fabaceae	None	U.S.A. (NV).
PE	R1	..	<i>Astragalus tener</i> var. <i>titi</i>	Fabaceae	Coastal dunes milk-vetch	U.S.A. (CA).
C	11	.....	R6	..	<i>Astragalus tortipes</i>	Fabaceae	Sleeping Ute milk-vetch	U.S.A. (CO).
PE	R1	..	<i>Astragalus tricarinatus</i>	Fabaceae	Triple-ribbed milk-vetch	U.S.A. (CA).
PE	R1	..	<i>Atriplex coronata</i> var. <i>notatior</i>	Chenopodiaceae	San Jacinto Valley crownscale (=saltbush).	U.S.A. (CA).
PE	R1	..	<i>Baccharis vanessae</i>	Asteraceae	Encinitis baccharis (=Coyote bush)	U.S.A. (CA).
PE	R1	..	<i>Berberis nevini</i>	Berberidaceae	Nevin's barberry	U.S.A. (CA).
PE	R1	..	<i>Berberis pinnata</i> ssp. <i>insularis</i>	Berberidaceae	Island barberry	U.S.A. (CA).
C	6	.....	R1	..	<i>Bidens micrantha</i> ssp. <i>ctenophylla</i>	Asteraceae	Ko'oko'olau	U.S.A. (HI).
PT	R1	..	<i>Brodiaea filifolia</i>	Liliaceae	Thread-leaved brodiaea	U.S.A. (CA).
PE	R1	..	<i>Brodiaea pallida</i>	Liliaceae	Chinese Camp brodiaea	U.S.A. (CA).
C	8	.....	R1	..	<i>Calochortus umpquaensis</i>	Liliaceae	Umpqua Mariposa lily	U.S.A. (OR).
PE	R1	..	<i>Calyptridium pulchellum</i>	Portulacaceae	Mariposa pussy-paws	U.S.A. (CA).
PE	R1	..	<i>Calystegia stebbinsii</i>	Convolvulaceae	Stebbins' morning-glory	U.S.A. (CA).
PE	R1	..	<i>Carex alba</i>	Cyperaceae	White sedge	U.S.A. (CA).
PT	R1	..	<i>Carpenteria californica</i>	Saxifragaceae	Carpenteria	U.S.A. (CA).
C	5	.....	R6	..	<i>Castilleja aquariensis</i>	Scrophulariaceae	Aquarius Indian paintbrush	U.S.A. (UT).
PT	R1	..	<i>Castilleja campestris</i> ssp. <i>succulenta</i>	Scrophulariaceae	Fleshy owl's-clover	U.S.A. (CA).
C	11	.....	R1	..	<i>Castilleja christii</i>	Scrophulariaceae	Christ's paintbrush	U.S.A. (ID).
PT	R1	..	<i>Castilleja cinerea</i>	Scrophulariaceae	Ash-gray Indian paintbrush	U.S.A. (CA).
C	2	.....	R2	..	<i>Castilleja elongata</i>	Scrophulariaceae	Tall paintbrush	U.S.A. (TX).
PT	R1	..	<i>Castilleja levisecta</i>	Scrophulariaceae	Golden paintbrush	U.S.A. (OR, WA), Canada (BC).
PE	R1	..	<i>Castilleja mollis</i>	Scrophulariaceae	Soft-leaved paintbrush	U.S.A. (CA).
C	2	.....	R4	..	<i>Catesbaea melanocarpa</i>	Rubiaceae	None	U.S.A. (PR), Antigua, Guadalupe.
Y	R4	..	<i>Catesbaea melanocarpa</i>	*** see ***	Catesbaea melanocarpa	
PT	R1	..	<i>Ceanothus ophiochilus</i>	Rhamnaceae	Vail Lake ceanothus	U.S.A. (CA).
PE	R1	..	<i>Ceanothus roderickii</i>	Rhamnaceae	Pine Hill ceanothus	U.S.A. (CA).
PE	R1	..	<i>Cenchrus agrimonioides</i>	Poaceae	Kamanomano (=Sandbur, agrimony)	U.S.A. (HI)
Y	R1	..	<i>Cenchrus agrimonioides</i> var. <i>agrimonioides</i> .	*** see ***	<i>Cenchrus agrimonioides</i>	
Y	R1	..	<i>Cenchrus agrimonioides</i> var. <i>laysanensis</i> .	*** see ***	<i>Cenchrus agrimonioides</i>	
Y	R1	..	<i>Cenchrus pendunculatus</i>	*** see ***	<i>Cenchrus agrimonioides</i>	
PE	R1	..	<i>Cercocarpus traskiae</i>	Rosaceae	Catalina Island mountain-mahogany	U.S.A. (CA).
PE	R1	..	<i>Chamaesyce herbstii</i>	Euphorbiaceae	'Akoko	
PT	R1	..	<i>Chamaesyce hooveri</i>	Euphorbiaceae	Hoover's spurge	U.S.A. (CA).
PE	R1	..	<i>Chamaesyce rockii</i>	Euphorbiaceae	'Akoko	
C	6	.....	R1	..	<i>Chlorogalum purpureum</i> var. <i>purpureum</i> .	Liliaceae	Purple amole	U.S.A. (CA).
C	3	.....	R1	..	<i>Chlorogalum purpureum</i> var. <i>reductum</i> .	Liliaceae	Cammatta Canyon amole	U.S.A. (CA).
PE	R1	..	<i>Chorizanthe orcuttiana</i>	Polygonaceae	Orcutt's spineflower	U.S.A. (CA).
C	5	.....	R2	..	<i>Cimicifuga arizonica</i>	Ranunculaceae	Arizona bugbane	U.S.A. (AZ).
PE	R1	..	<i>Cirsium hydrophilum</i> var. <i>hydrophilum</i> .	Asteraceae	Suisun thistle	U.S.A. (CA).
C	2	.....	R1	..	<i>Cirsium loncholepis</i>	Asteraceae	La Graciosa thistle	U.S.A. (CA).
C	2	.....	R1	..	<i>Cirsium rothophilum</i>	Asteraceae	Surf thistle	U.S.A. (CA).
PE	R1	..	<i>Clarkia imbricata</i>	Onagraceae	Vine Hill clarkia	U.S.A. (CA).
C	11	.....	R1	..	<i>Clarkia lingulata</i>	Onagraceae	Merced clarkia	U.S.A. (CA).
PT	R1	..	<i>Clarkia springvillensis</i>	Onagraceae	Springville clarkia	U.S.A. (CA).
C	3	.....	R2	..	<i>Clematis hirsutissima</i> var. <i>arizonica</i>	Ranunculaceae	Arizona leather flower	U.S.A. (AZ).

Table 1—Proposed and Candidate Animals and Plants—Continued

Status	Lead Region	Scientific name	Family	Common name	Historic range	
						Category	Priority
PE ..	.....	R1 ..	<i>Clermontia drepanomorpha</i>	Campanulaceae	'Oha wai	U.S.A. (HI).
PT ...	.....	R4 ..	<i>Coccoloba rugosa</i>	Polygonaceae	None	U.S.A. (PR).
PE ..	.....	R4 ..	<i>Cordia bellonis</i>	Boraginaceae	None	U.S.A. (PR).
PE ..	.....	R1 ..	<i>Cordylanthus mollis</i> ssp. <i>mollis</i>	Scrophulariaceae ..	Soft bird's-beak	U.S.A. (CA).
PT ...	.....	R1 ..	<i>Corethrogyne filaginifolia</i> var. <i>linifolia</i>	Asteraceae	Del Mar sand aster	U.S.A. (CA).
PE ..	.....	R1 ..	<i>Cyanea acuminata</i>	Campanulaceae	Haha	
Y .....	.....	R1 ..	<i>Cyanea bryanii</i>	*** see ***	<i>Cyanea platyphylla</i>	
C	2	R1 ..	<i>Cyanea copelandii</i> ssp. <i>haleakalaensis</i>	Campanulaceae	Haha	U.S.A. (HI)
PE ..	.....	R1 ..	<i>Cyanea dunbarii</i>	Campanulaceae	Haha	U.S.A. (HI.)
Y .....	.....	R1 ..	<i>Cyanea fernaldii</i>	*** see ***	<i>Cyanea platyphylla</i>	
C	2	R1 ..	<i>Cyanea glabra</i>	Campanulaceae	Haha	U.S.A. (HI)
PE ..	.....	R1 ..	<i>Cyanea grimesiana</i> ssp. <i>grimesiana</i>	Campanulaceae	Haha	U.S.A. (HI).
Y .....	.....	R1 ..	<i>Cyanea grimesiana</i> var. <i>lydgatei</i>	*** see ***	<i>Cyanea grimesiana</i> ssp. <i>grimesiana</i>	
Y .....	.....	R1 ..	<i>Cyanea grimesiana</i> var. <i>mauiensis</i> ..	*** see ***	<i>Cyanea grimesiana</i> ssp. <i>grimesiana</i>	
Y .....	.....	R1 ..	<i>Cyanea grimesiana</i> var. <i>munroi</i>	*** see ***	<i>Cyanea grimesiana</i> ssp. <i>grimesiana</i>	
C	2	R1 ..	<i>Cyanea hamatiflora</i> ssp. <i>hamatiflora</i>	Campanulaceae	Haha	U.S.A. (HI)
PE ..	.....	R1 ..	<i>Cyanea (=Rollandia) humboldtiana</i> ..	Campanulaceae	Haha	U.S.A. (HI)
PE ..	.....	R1 ..	<i>Cyanea koolauensis</i>	Campanulaceae	Haha	U.S.A. (HI)
PE ..	.....	R1 ..	<i>Cyanea longiflora</i>	Campanulaceae	Haha	U.S.A. (HI)
PE ..	.....	R1 ..	<i>Cyanea platyphylla</i>	Campanulaceae	Haha	U.S.A. (HI).
PE ..	.....	R1 ..	<i>Cyanea recta</i>	Campanulaceae	Haha	U.S.A. (HI)
PE ..	.....	R1 ..	<i>Cyanea remyi</i>	Campanulaceae	Haha	U.S.A. (HI)
Y .....	.....	R1 ..	<i>Cyanea rollandioides</i>	*** see ***	<i>Cyanea platyphylla</i>	
PE ..	.....	R1 ..	<i>Cyanea (=Rollandia) st-johnii</i>	Campanulaceae	Haha	U.S.A. (HI).
PE ..	.....	R1 ..	<i>Cyperus trachysanthos</i>	Cyperaceae	Pu'uka'a	U.S.A. (HI).
PE ..	.....	R1 ..	<i>Cyrtandra cyaneoides</i>	Gesneriaceae	Mapele	U.S.A. (HI).
PE ..	.....	R1 ..	<i>Cyrtandra dentata</i>	Gesneriaceae	Ha'iwale	
Y .....	.....	R1 ..	<i>Cyrtandra frederickii</i>	*** see ***	<i>Cyrtandra dentata</i>	
PE ..	.....	R1 ..	<i>Cyrtandra subumbellata</i>	Gesneriaceae	Ha'iwale	U.S.A. (HI).
PE ..	.....	R1 ..	<i>Cyrtandra viridiflora</i>	Gesneriaceae	Ha'iwale	U.S.A. (HI).
C	2	R2 ..	<i>Dalea tentaculoides</i>	Fabaceae	Gentry's indigobush	U.S.A. (AZ).
Y .....	.....	R1 ..	<i>Delissea niihauensis</i>	*** see ***	<i>Delissea undulata</i>	
PE ..	.....	R1 ..	<i>Delissea rivularis</i>	Campanulaceae	Oha	U.S.A. (HI)
PE ..	.....	R1 ..	<i>Delissea subcordata</i>	Campanulaceae	'Oha	
Y .....	.....	R1 ..	<i>Delissea subcordata</i> var. <i>obtusifolia</i>	*** see ***	<i>Delissea subcordata</i>	
PE ..	.....	R1 ..	<i>Delissea undulata</i>	Campanulaceae	None	U.S.A. (HI).
C	2	R1 ..	<i>Delphinium bakeri</i>	Ranunculaceae	Baker's larkspur	U.S.A. (CA).
C	2	R1 ..	<i>Delphinium luteum</i>	Ranunculaceae	Yellow larkspur	U.S.A. (CA).
PE ..	.....	R1 ..	<i>Downingia concolor</i> var. <i>brevior</i>	Campanulaceae	Cuyamaca Lake downingia	U.S.A. (CA).
C	6	R1 ..	<i>Dubautia plantaginea</i> ssp. <i>humilis</i> ..	Asteraceae	Na'ena'e	U.S.A. (HI).
PT ...	.....	R1 ..	<i>Dudleya abramsii</i> ssp. <i>parva</i>	Crassulaceae	Conejo dudleya	U.S.A. (CA).
PE ..	.....	R1 ..	<i>Dudleya blochmaniae</i> ssp. <i>brevifolia</i> ..	Crassulaceae	Short-leaved dudleya	U.S.A. (CA).
PE ..	.....	R1 ..	<i>Dudleya blochmaniae</i> ssp. <i>insularis</i> ..	Crassulaceae	Santa Rosa Island dudleya	U.S.A. (CA).
Y .....	.....	R1 ..	<i>Dudleya brevifolia</i>	*** see ***	<i>Dudleya blochmaniae</i> ssp. <i>brevifolia</i>	
PT ...	.....	R1 ..	<i>Dudleya cymosa</i> ssp. <i>marcescens</i> ..	Crassulaceae	Marcescent dudleya	U.S.A. (CA).
PT ...	.....	R1 ..	<i>Dudleya cymosa</i> ssp. <i>ovatifolia</i>	Crassulaceae	Santa Monica Mountains dudleya ..	U.S.A. (CA).
C	11 ...	R1 ..	<i>Dudleya densiflora</i>	Crassulaceae	San Gabriel Mountains dudleya	U.S.A. (CA).
PE ..	.....	R1 ..	<i>Dudleya nesiotica</i>	Crassulaceae	Santa Cruz Island dudleya	U.S.A. (CA).
Y .....	.....	R1 ..	<i>Dudleya parva</i>	*** see ***	<i>Dudleya abramsii</i> ssp. <i>parva</i>	
PE ..	.....	R1 ..	<i>Dudleya</i> sp. nov. /ined. ≥East Point≥ ..	Crassulaceae	Munchkin dudleya	U.S.A. (CA)
PE ..	.....	R1 ..	<i>Dudleya stolonifera</i>	Crassulaceae	Laguna Beach liveforever	U.S.A. (CA).
PT ...	.....	R1 ..	<i>Dudleya verityi</i>	Crassulaceae	Verity's dudleya	U.S.A. (CA).
C	6	R2 ..	<i>Echinomastus erectocentrus</i> var. <i>acunensis</i>	Cactaceae	Acuna cactus	U.S.A. (AZ), Mexico.
PE ..	.....	R1 ..	<i>Eragrostis fosbergii</i>	Poaceae	Fosberg's love grass	U.S.A. (HI).
C	11 ...	R1 ..	<i>Erigeron basalticus</i>	Asteraceae	Basalt daisy	U.S.A. (WA).
C	3	R1 ..	<i>Erigeron decumbens</i> var. <i>decumbens</i>	Asteraceae	None	U.S.A. (OR).
C	11 ...	R2 ..	<i>Erigeron lemmonii</i>	Asteraceae	Lemmon fleabane	U.S.A. (AZ).
C	2	R1 ..	<i>Eriodictyon capitatum</i>	Hydrophyllaceae ..	Lompoc yerba santa	U.S.A. (CA).
C	3	R1 ..	<i>Eriogonum apricum</i> var. <i>apricum</i>	Polygonaceae	lone buckwheat	U.S.A. (CA).
C	3	R1 ..	<i>Eriogonum apricum</i> var. <i>prostratum</i> ..	Polygonaceae	Irish Hill buckwheat	U.S.A. (CA).
C	5	R1 ..	<i>Eriogonum argophyllum</i>	Polygonaceae	Buckwheat (no common name)	U.S.A. (NV).
C	11 ...	R1 ..	<i>Eriogonum kelloggii</i>	Polygonaceae	Red Mountain buckwheat	U.S.A. (CA).
PT ...	.....	R1 ..	<i>Eriogonum kennedyi</i> var. <i>austromontanum</i>	Polygonaceae	Southern mountain wild buckwheat, ..	U.S.A. (CA).
PE ..	.....	R1 ..	<i>Euphorbia haeleleana</i>	Euphorbiaceae	'Akoko	
C	8	R2 ..	<i>Festuca ligulata</i>	Poaceae	Guadalupe fescue	U.S.A. (TX), Mexico.

Table 1—Proposed and Candidate Animals and Plants—Continued

Status	Lead Region	Scientific name	Family	Common name	Historic range	
						Category	Priority
PE ..	.....	R1 ..	<i>Fremontodendron decumbens</i>	Sterculiaceae	Pine Hill flannelbush	U.S.A. (CA).
Y .....	.....	R1 ..	<i>Fremontodendron decumbens</i>	*** see ***	Fremontodendron californicum decumbens.	
PE ..	.....	R1 ..	<i>Fremontodendron mexicanum</i>	Sterculiaceae	Mexican flannelbush	U.S.A. (CA), Mexico.
C	2	R1 ..	<i>Fritillaria gentneri</i>	Liliaceae	Gentner's (=Mission-bells, Gentner) fritillaria.	U.S.A. (OR).
PT ..	.....	R1 ..	<i>Fritillaria striata</i>	Liliaceae	Greenhorn adobe-lily	U.S.A. (CA).
PE ..	.....	R1 ..	<i>Galium buxifolium</i>	Rubiaceae	Island bedstraw	U.S.A. (CA).
PE ..	.....	R1 ..	<i>Galium californicum</i> ssp. <i>sierrae</i>	Rubiaceae	El Dorado bedstraw	U.S.A. (CA).
PE ..	.....	R1 ..	<i>Gardenia mannii</i>	Rubiaceae	Nanu	U.S.A. (HI)
C	3	R6 ..	<i>Gaura neomexicana</i> ssp. <i>coloradensis</i> .	Onagraceae	Colorado butterfly plant	U.S.A. (CO, NE, WY).
C	5	R6 ..	<i>Gilia caespitosa</i>	Polemoniaceae	Rabbit Valley gilia	U.S.A. (UT).
PE ..	.....	R1 ..	<i>Gilia tenuiflora</i> ssp. <i>hoffmannii</i>	Polemoniaceae	Hoffmann's gilia	U.S.A. (CA).
Y .....	.....	R1 ..	<i>Habenaria holochila</i>	*** see ***	Platanthera holochila	
C	3	R1 ..	<i>Hedyotis schlechtendahlana</i> var. <i>remyi</i> .	Rubiaceae	None	U.S.A. (HI).
C	5	R5 ..	<i>Helenium virginicum</i>	Asteraceae	None	U.S.A. (VA).
PE ..	.....	R1 ..	<i>Helianthemum greenei</i>	Cistaceae	Island rush-rose	U.S.A. (CA).
PT ..	.....	R4 ..	<i>Helianthus eggertii</i>	Asteraceae	Eggert's sunflower	U.S.A. (AL, KY, TN).
C	2	R2 ..	<i>Helianthus paradoxus</i>	Asteraceae	Puzzle sunflower	U.S.A. (NM, TX).
PE ..	.....	R1 ..	<i>Hemizonia conjugens</i>	Asteraceae	Otaw tarweed	U.S.A. (CA).
C	3	R1 ..	<i>Hemizonia increscens</i> ssp. <i>villosa</i> ..	Asteraceae	Gaviota tarweed	U.S.A. (CA).
PE ..	.....	R1 ..	<i>Heuchera maxima</i>	Saxifragaceae	Island alumroot	U.S.A. (CA).
PE ..	.....	R1 ..	<i>Hibiscadelphus giffardianus</i>	Malvaceae	Hau kuahiwi	U.S.A. (HI).
PE ..	.....	R1 ..	<i>Hibiscadelphus hualalaiensis</i>	Malvaceae	Hau kuahiwi	U.S.A. (HI).
PE ..	.....	R1 ..	<i>Hibiscadelphus woodii</i>	Malvaceae	Hau kuahiwi	U.S.A. (HI).
C	5	R2 ..	<i>Hibiscus dasycalyx</i>	Malvaceae	Neches River rose-mallow	U.S.A. (TX).
PE ..	.....	R1 ..	<i>Hibiscus waimeae</i> ssp. <i>hannerae</i> ..	Malvaceae	Koki'o ke'oke'o	U.S.A. (HI).
C	2	R1 ..	<i>Holocarpha macradenia</i>	Asteraceae	Santa Cruz tarweed	U.S.A. (CA).
Y .....	.....	R1 ..	<i>Isodendron forbesii</i>	*** see ***	Isodendron laurifolium	
PE ..	.....	R1 ..	<i>Isodendron laurifolium</i>	Violaceae	Aupaka	U.S.A. (HI).
PT ..	.....	R1 ..	<i>Isodendron longifolium</i>	Violaceae	Aupaka	U.S.A. (HI).
Y .....	.....	R1 ..	<i>Isodendron lydgatei</i>	*** see ***	Isodendron longifolium	
Y .....	.....	R1 ..	<i>Isodendron maculatum</i>	*** see ***	Isodendron longifolium	
Y .....	.....	R1 ..	<i>Isodendron subsessilifolium</i>	*** see ***	Isodendron laurifolium	
Y .....	.....	R1 ..	<i>Isodendron waianaeense</i>	*** see ***	Isodendron laurifolium	
PE ..	.....	R4 ..	<i>Juglans jamaicensis</i>	Juglandaceae	Nogal or West Indian walnut	U.S.A. (PR), Cuba, Hispaniola.
C	1	R1 ..	<i>Kanaloa kahoolawensis</i>	Fabaceae	None	U.S.A. (HI)
PE ..	.....	R1 ..	<i>Kokia kauaiensis</i>	Malvaceae	Koki'o	U.S.A. (HI).
PE ..	.....	R1 ..	<i>Labordia cyrtandrae</i>	Loganiaceae	Kamakahala	U.S.A. (HI).
Y .....	.....	R1 ..	<i>Labordia cyrtandrae</i> var. <i>nahikuana</i> ..	*** see ***	Labordia cyrtandrae	
Y .....	.....	R1 ..	<i>Labordia triflora</i>	*** see ***	Labordia triflora	
PE ..	.....	R1 ..	<i>Labordia tinifolia</i> var. <i>wahiawaensis</i> ..	Loganiaceae	Kamakahala	U.S.A., (HI)
C	2	R1 ..	<i>Labordia triflora</i>	Loganiaceae	Kamakahala	
PT ..	.....	R1 ..	<i>Lasthenia conjugens</i>	Asteraceae	Contra Costa goldfields	U.S.A. (CA).
C	5	R1 ..	<i>Lathyrus biflorus</i>	Fabaceae	Two-flowered lathyrus	U.S.A. (CA).
PE ..	.....	R1 ..	<i>Lepidium arbuscula</i>	Brassicaceae	'Anaunau	U.S.A. (HI).
PE ..	.....	R4 ..	<i>Lesquerella perforata</i>	Brassicaceae	Spring Creek bladderpod	U.S.A. (TN).
C	5	R4 ..	<i>Lesquerella stonensis</i>	Brassicaceae	Stones River bladderpod	U.S.A. (TN).
C	2	R2 ..	<i>Lesquerella thamnophila</i>	Brassicaceae	Zapata bladderpod	U.S.A. (TX).
PE ..	.....	R1 ..	<i>Lessingia germanorum</i> var. <i>germanorum</i> .	Asteraceae	San Francisco lessingia	U.S.A. (CA).
Y .....	.....	R2 ..	<i>Lilaeopsis recurva</i>	*** see ***	Lilaeopsis schaffneriana ssp. recurva.	
PE ..	.....	R2 ..	<i>Lilaeopsis schaffneriana</i> ssp. recurva.	Apiaceae	Huachuca water-umbel	U.S.A. (AZ), Mexico.
PE ..	.....	R1 ..	<i>Lilium pardalinum</i> ssp. <i>pitkinense</i> ..	Liliaceae	Pitkin Marsh lily	U.S.A. (CA).
Y .....	.....	R1 ..	<i>Lilium pitkinense</i>	*** see ***	Lilium pardalinum ssp. <i>pitkinense</i> ..	
PT ..	.....	R1 ..	<i>Limnanthes gracilis</i> ssp. <i>parishii</i>	Limnathaceae	Parish's meadowfoam	U.S.A. (CA).
PE ..	.....	R1 ..	<i>Lithophragma maximum</i>	Saxifragaceae	San Clemente Island woodland-star ..	U.S.A. (CA).
PE ..	.....	R1 ..	<i>Lobelia gaudichaudii</i> ssp. <i>koolauensis</i> .	Campanulaceae	None	
Y .....	.....	R1 ..	<i>Lobelia hillebrandii</i> var. <i>monostachya</i> .	*** see ***	Lobelia monostachya	
PE ..	.....	R1 ..	<i>Lobelia monostachya</i>	Campanulaceae	None	U.S.A. (HI)
C	5	R1 ..	<i>Lomatium cookii</i>	Apiaceae	Cook's lomatium	U.S.A. (OR).
PE ..	.....	R1 ..	<i>Lupinus citrinus</i> var. <i>deflexus</i>	Fabaceae	Mariposa lupine	U.S.A. (CA).

Table 1—Proposed and Candidate Animals and Plants—Continued

Status	Lead Region	Scientific name	Family	Common name	Historic range	
						Category	Priority
Y	.....	R1 ..	<i>Lupinus deflexus</i>	*** see ***	Lupinus citrinus var. deflexus	
C	2	R1 ..	<i>Lupinus nipomensis</i>	Fabaceae	Nipomo Mesa lupine	U.S.A. (CA).
PE	.....	R1 ..	<i>Lysimachia maxima</i> (=tenrnifolia)	Primulaceae	None	U.S.A. (HI).
Y	.....	R1 ..	<i>Lysimachia ternifolia</i>	*** see ***	Lysimachia maxima	
Y	.....	R1 ..	<i>Mahonia nevinii</i>	*** see ***	Berberis nevinii	
Y	.....	R1 ..	<i>Mahonia pinnata</i> ssp. <i>insularis</i>	*** see ***	Berberis pinnata ssp. <i>insularis</i>	
PE	.....	R1 ..	<i>Malacothamnus fasciculatus</i> var. <i>nesioticus</i>	Malvaceae	Santa Cruz Island bush-mallow	U.S.A. (CA).
PE	.....	R1 ..	<i>Malacothrix indecora</i>	Asteraceae	Santa Cruz Island malacothrix	U.S.A. (CA).
PE	.....	R1 ..	<i>Malacothrix squalida</i>	Asteraceae	Island malacothrix	U.S.A. (CA).
C	2	R1 ..	<i>Melicope munroi</i>	Rutaceae	None	U.S.A. (HI).
PE	.....	R1 ..	<i>Melicope saint-johnii</i>	Rutaceae	Alani	U.S.A. (HI).
PE	.....	R1 ..	<i>Melicope zahlbruckneri</i>	Rutaceae	Alani	U.S.A. (HI).
PE	.....	R1 ..	<i>Mimulus shevockii</i>	Scrophulariaceae ..	Kelso Creek monkey-flower	U.S.A. (CA).
Y	.....	R1 ..	<i>Mimulus</i> sp. nov. /ined. (Kern Co.) ..	*** see ***	<i>Mimulus shevockii</i>	
PE	.....	R1 ..	<i>Monardella linoides</i> ssp. <i>viminea</i>	Lamiaceae	Willow monardella	U.S.A. (CA).
PE	.....	R1 ..	<i>Myrsine juddii</i>	Myrsinaceae	Kolea	U.S.A. (HI).
PE	.....	R1 ..	<i>Myrsine linearifolia</i>	Myrsinaceae	None	U.S.A. (HI).
C	8	R5 ..	<i>Narthecium americanum</i>	Liliaceae	None	U.S.A. (DE, NJ, NC, SC).
Y	.....	R5 ..	<i>Narthecium ossifragum</i> var. <i>americanum</i>	*** see ***	<i>Narthecium americanum</i>	
PT	.....	R1 ..	<i>Navarretia fossalis</i>	Polemoniaceae	Spreading navarretia	U.S.A. (CA), Mexico (Baja California).
PE	.....	R1 ..	<i>Navarretia leucocephala</i> ssp. <i>pauciflora</i>	Polemoniaceae	Few-flowered navarretia	U.S.A. (CA).
PE	.....	R1 ..	<i>Navarretia leucocephala</i> ssp. <i>plieantha</i>	Polemoniaceae	Many-flowered navarretia	U.S.A. (CA).
Y	.....	R1 ..	<i>Navarretia pauciflora</i>	*** see ***	<i>Navarretia leucocephala</i> ssp. <i>pauciflora</i>	
Y	.....	R1 ..	<i>Navarretia plieantha</i>	*** see ***	<i>Navarretia leucocephala</i> ssp. <i>plieantha</i>	
PT	.....	R1 ..	<i>Navarretia setiloba</i>	Polemoniaceae	Piute Mountains navarretia	U.S.A. (CA).
Y	.....	R2 ..	<i>Neolloydia erectocentra</i> var. <i>acunensis</i>	*** see ***	<i>Echinomastus erectocentrus</i> var. <i>acunensis</i>	
PT	.....	R1 ..	<i>Neostapfia colusana</i>	Poaceae	Colusa grass	U.S.A. (CA).
Y	.....	R1 ..	<i>Neraudia cookii</i>	*** see ***	<i>Neraudia ovata</i>	
PE	.....	R1 ..	<i>Neraudia ovata</i>	Urticaceae	None	U.S.A. (HI).
C	1	R1 ..	<i>Nesogenes rotensis</i>	Verbenaceae	None	U.S.A. (HI).
PT	.....	R1 ..	<i>Nolina interrata</i>	Liliaceae	Dehesa bear-grass	U.S.A. (CA), Mexico.
C	6	R1 ..	<i>Opuntia whipplei</i> var. <i>multigeniculata</i>	Cactaceae	None	U.S.A. (NV).
Y	.....	R1 ..	<i>Orcuttia californica</i> var. <i>inequalis</i>	*** see ***	<i>Orcuttia inequalis</i>	
Y	.....	R1 ..	<i>Orcuttia californica</i> var. <i>viscida</i>	*** see ***	<i>Orcuttia viscida</i>	
Y	.....	R1 ..	<i>Orcuttia greenei</i>	*** see ***	<i>Tuctoria greenei</i>	
PE	.....	R1 ..	<i>Orcuttia inequalis</i>	Poaceae	San Joaquin orcutt grass	U.S.A. (CA).
PE	.....	R1 ..	<i>Orcuttia pilosa</i>	Poaceae	Hairy (=pilose) orcutt grass	U.S.A. (CA).
PT	.....	R1 ..	<i>Orcuttia tenuis</i>	Poaceae	Slender orcutt grass	U.S.A. (CA).
PE	.....	R1 ..	<i>Orcuttia viscida</i>	Poaceae	Sacramento orcutt grass	U.S.A. (CA).
Y	.....	R1 ..	<i>Orthocarpus campestris</i> var. <i>succulentus</i>	*** see ***	<i>Castilleja campestris</i> ssp. <i>succulenta</i>	
Y	.....	R1 ..	<i>Orthocarpus succulentus</i>	*** see ***	<i>Castilleja campestris</i> ssp. <i>succulentus</i>	
C	1	R1 ..	<i>Osmoxylon mariannense</i>	Araliaceae	None	U.S.A. (HI).
PE	.....	R1 ..	<i>Panicum nihauense</i>	Poaceae	Lau 'ehu	U.S.A. (HI).
C	11	R1 ..	<i>Paronychia congesta</i>	Caryophyllaceae ..	Bushy whitlow-wort	U.S.A. (TX).
PE	.....	R1 ..	<i>Parvisedum leiocarpum</i>	Crassulaceae	Lake County stonecrop	U.S.A. (CA).
C	2	R2 ..	<i>Pediocactus paradinei</i>	Cactaceae	Kaibab pincushion cactus	U.S.A. (AZ).
C	6	R2 ..	<i>Pediocactus peeblesianus</i> var. <i>fickeiseniae</i>	Cactaceae	Fickeisen pincushion cactus	U.S.A. (AZ).
PE	.....	R6 ..	<i>Pediocactus winkleri</i>	Cactaceae	Winkler cactus	U.S.A. (UT).
Y	.....	R1 ..	<i>Pelea munroi</i>	*** see ***	<i>Melicope munroi</i>	
Y	.....	R1 ..	<i>Pelea saint-johnii</i>	*** see ***	<i>Melicope saint-johnii</i>	
Y	.....	R1 ..	<i>Pelea zahlbruckneri</i>	*** see ***	<i>Melicope zahlbruckneri</i>	
Y	.....	R6 ..	<i>Penstemon albifluvis</i>	*** see ***	<i>Penstemon scariosus</i> var. <i>albifluvis</i> ..	
C	5	R6 ..	<i>Penstemon debilis</i>	Scrophulariaceae ..	Parachute Beardtongue	U.S.A. (CO).
C	8	R6 ..	<i>Penstemon grahamii</i>	Scrophulariaceae ..	Graham beardtongue	U.S.A. (CO, UT).
C	5	R6 ..	<i>Penstemon scariosus</i> var. <i>albifluvis</i> ..	Scrophulariaceae ..	White River beardtongue	U.S.A. (CO, UT).
PE	.....	R1 ..	<i>Pentachaeta lyonii</i>	Asteraceae	Lyon's pentachaeta	U.S.A. (CA).
Y	.....	R1 ..	<i>Phacelia divaricata</i> var. <i>insularis</i>	*** see ***	<i>Phacelia insularis</i> var. <i>insularis</i>	

Table 1—Proposed and Candidate Animals and Plants—Continued

Status	Lead Region	Scientific name	Family	Common name	Historic range	
						Category	Priority
PE	R1 ..	<i>Phacelia insularis</i> var. <i>insularis</i>	Hydrophyllaceae ..	Island phacelia	U.S.A. (CA).
C	11 ..	R6 ..	<i>Phacelia submutica</i>	Hydrophyllaceae ..	DeBeque phacelia	U.S.A. (CO).
C	2	R1 ..	<i>Phlox hirsuta</i>	Polemoniaceae	Yreka phlox	U.S.A. (CA).
Y	R1 ..	<i>Phyllostegia brevidens</i> var. <i>longipes</i> *** see ***	<i>Phyllostegia warshaueri</i> .....	.....
PE	R1 ..	<i>Phyllostegia hirsuta</i>	Lamiaceae	None	U.S.A. (HI)
PE	R1 ..	<i>Phyllostegia kaalaensis</i>	Lamiaceae	None	U.S.A. (HI)
PE	R1 ..	<i>Phyllostegia knudsenii</i>	Lamiaceae	None	U.S.A. (HI)
Y	R1 ..	<i>Phyllostegia macrophylla</i> var. <i>velutina</i>	*** see ***	<i>Phyllostegia velutina</i> .....	.....
Y	R1 ..	<i>Phyllostegia mollis</i> var. <i>lydgatei</i>	*** see ***	<i>Phyllostegia parviflora</i> .....	.....
PE	R1 ..	<i>Phyllostegia parviflora</i>	Lamiaceae	None	U.S.A. (HI.)
Y	R1 ..	<i>Phyllostegia parviflora</i> var. <i>canescens</i>	*** see ***	<i>Phyllostegia parviflora</i> .....	.....
Y	R1 ..	<i>Phyllostegia parviflora</i> var. <i>glabriuscula</i>	*** see ***	<i>Phyllostegia parviflora</i> .....	.....
PE	R1 ..	<i>Phyllostegia racemosa</i>	Lamiaceae	Kiponapona	U.S.A. (HI).
PE	R1 ..	<i>Phyllostegia velutina</i>	Lamiaceae	None	U.S.A. (HI).
PE	R1 ..	<i>Phyllostegia warshaueri</i>	Lamiaceae	None	U.S.A. (HI).
PE	R1 ..	<i>Phyllostegia wawrana</i>	Lamiaceae	None	U.S.A., (HI)
PE	R1 ..	<i>Piperia yadonii</i>	Orchidaceae	Yadon's piperia	U.S.A. (CA).
C	2	R1 ..	<i>Plagiobothrys hirtus</i>	Boraginaceae	Popcornflower (no common name) ..	U.S.A. (OR).
Y	R1 ..	<i>Plagiobothrys hirtus</i> var. <i>hirtus</i>	*** see ***	<i>Plagiobothrys hirtus</i> .....	.....
PE	R1 ..	<i>Plagiobothrys strictus</i>	Boraginaceae	<i>Calistoga allocarya</i>	U.S.A. (CA).
PE	R1 ..	<i>Platanthera holochila</i>	Orchidaceae	None	U.S.A. (HI).
PE	R1 ..	<i>Pleomele hawaiiensis</i>	Liliaceae	Hala pepe	U.S.A. (HI).
PE	R1 ..	<i>Poa atropurpurea</i>	Poaceae	San Bernardino bluegrass	U.S.A. (CA).
PE	R1 ..	<i>Poa napensis</i>	Poaceae	Napa bluegrass	U.S.A. (CA).
PE	R1 ..	<i>Potentilla hickmanii</i>	Rosaceae	Hickman's potentilla	U.S.A. (CA).
Y	R1 ..	<i>Potentilla hickmanii</i> var. <i>uliginosa</i> <i>/ined.</i>	*** see ***	<i>Potentilla hickmanii</i> .....	.....
Y	R1 ..	<i>Potentilla uliginosa</i>	*** see ***	<i>Potentilla hickmanii</i> .....	.....
PE	R1 ..	<i>Pritchardia aylmer-robinsonii</i>	Arecaceae	Wahane (=Hawane or lo'ulu)	U.S.A. (HI).
PE	R1 ..	<i>Pritchardia kaalae</i>	Arecaceae	Loulu	U.S.A. (HI)
Y	R1 ..	<i>Pritchardia kaalae</i> var. <i>minima</i>	*** see ***	<i>Pritchardia kaalae</i> .....	.....
PE	R1 ..	<i>Pritchardia napaliensis</i>	Arecaceae	None	U.S.A. (HI).
PE	R1 ..	<i>Pritchardia remota</i>	Arecaceae	Lo'ulu	U.S.A. (HI).
PE	R1 ..	<i>Pritchardia schattaueri</i>	Arecaceae	Loulu	U.S.A. (HI).
PE	R1 ..	<i>Pritchardia viscosa</i>	Arecaceae	Loulu	U.S.A. (HI).
PE	R1 ..	<i>Pseudobahia bahiifolia</i>	Asteraceae	Hartweg's golden sunburst,	U.S.A. (CA).
PE	R1 ..	<i>Pseudobahia peirsonii</i>	Asteraceae	San Joaquin adobe sunburst	U.S.A. (CA).
PE	R2 ..	<i>Puccinellia parishii</i>	Poaceae	Parish's alkali grass	U.S.A. (AZ, CA, NM).
Y	R1 ..	<i>Cyanea</i> (=Rollandia) <i>humboldtiana</i> ..	*** see ***	<i>Cyanea humboldtiana</i> .....	.....
Y	R1 ..	<i>Cyanea</i> (=Rollandia) <i>st-johnii</i>	*** see ***	<i>Cyanea st-johnii</i> .....	.....
C	2	R2 ..	<i>Rumex orthoneurus</i>	Polygonaceae	Blumer's dock	U.S.A. (AZ).
PE	R1 ..	<i>Sanicula purpurea</i>	Apiaceae	None	U.S.A. (HI).
PE	R1 ..	<i>Schiedea helleri</i>	Caryophyllaceae ..	None	U.S.A., (HI)
PE	R1 ..	<i>Schiedea hookeri</i>	Caryophyllaceae ..	None	U.S.A. (HI).
PE	R1 ..	<i>Schiedea kauaiensis</i>	Caryophyllaceae ..	None	U.S.A. (HI).
PE	R1 ..	<i>Schiedea kealiae</i>	Caryophyllaceae ..	Ma'oli'oli	U.S.A. (HI)
PE	R1 ..	<i>Schiedea membranacea</i>	Caryophyllaceae ..	None	U.S.A. (HI).
PE	R1 ..	<i>Schiedea nuttallii</i>	Caryophyllaceae ..	None	U.S.A. (HI).
PE	R1 ..	<i>Schiedea sarmentosa</i>	Caryophyllaceae ..	None	U.S.A. (HI).
PE	R1 ..	<i>Schiedea stellarioides</i>	Caryophyllaceae ..	Laulihiihi (=Ma'oli'oli)	U.S.A. (HI)
PE	R1 ..	<i>Schiedea verticillata</i>	Caryophyllaceae ..	None	U.S.A. (HI).
C	2	R6 ..	<i>Sclerocactus</i> (=Echinocactus, =Pediocactus) <i>brevispinus</i> (=glaucus).	Cactaceae	Pariette cactus	U.S.A. (UT)
C	11 ..	R1 ..	<i>Sedum eastwoodiae</i>	Crassulaceae	Red Mountain stonecrop	U.S.A. (CA).
Y	R1 ..	<i>Sedum laxum</i> ssp. <i>eastwoodiae</i>	*** see ***	<i>Sedum eastwoodiae</i> .....	.....
PT	R1 ..	<i>Senecio layneae</i>	Asteraceae	Layne's butterweed	U.S.A. (CA).
PE	R1 ..	<i>Sibara filifolia</i>	Brassicaceae	Santa Cruz Island rockcross	U.S.A. (CA).
PE	R1 ..	<i>Sicyos alba</i>	Cucurbitaceae	'Anunu	U.S.A. (HI).
C	9	R1 ..	<i>Sidalcea hickmanii</i> ssp. <i>parishii</i>	Malvaceae	Parish's sidalcea	U.S.A. (CA).
C	2	R1 ..	<i>Sidalcea keckii</i>	Malvaceae	Keck's sidalcea	U.S.A. (CA).
C	3	R1 ..	<i>Sidalcea oregana</i> var. <i>calva</i>	Malvaceae	None	U.S.A. (WA).
PE	R1 ..	<i>Sidalcea oregana</i> ssp. <i>valida</i>	Malvaceae	Kenwood Marsh checkermallow	U.S.A. (CA).
C	12 ..	R1 ..	<i>Silene campanulata</i> ssp. <i>campanulata</i>	Caryophyllaceae ..	Red Mountain campion	U.S.A. (CA).
PE	R2 ..	<i>Spiranthes delitescens</i>	Orchidaceae	Canelo Hills ladies'-tresses	U.S.A. (AZ).

Table 1—Proposed and Candidate Animals and Plants—Continued

Status		Lead Region	Scientific name	Family	Common name	Historic range
Category	Priority					
C	2	R1	<i>Tabernaemontana rotensis</i>	Apocynaceae	None	U.S.A. (CM)
PE		R1	<i>Taraxacum californicum</i>	Asteraceae	California dandelion	U.S.A. (CA).
C	3	R1	<i>Thelypodium howellii</i> var. <i>spectabilis</i>	Brassicaceae	None	U.S.A. (OR).
C	3	R1	<i>Thlaspi californicum</i>	Brassicaceae	Kneeland Prairie penny-cress	U.S.A. (CA).
Y		R1	<i>Thlaspi montanum</i> var. <i>californicum</i>	*** see ***	Thlaspi californicum	
PE		R1	<i>Thysanocarpus conchuliferus</i>	Brassicaceae	Santa Cruz Island lacepod (=fringepod).	U.S.A. (CA).
PE		R1	<i>Trematolobelia singularis</i>	Campanulaceae	None	U.S.A. (HI).
PT		R1	<i>Trichostema austrorontanum</i> ssp. <i>compactum</i> .	Lamiaceae	Hidden Lake bluecurls	U.S.A. (CA).
PE		R1	<i>Trifolium amoenum</i>	Fabaceae	Clover, showy Indian	U.S.A. (CA).
PE		R1	<i>Trifolium trichocalyx</i>	Fabaceae	Monterey (=Del Monte) clover	U.S.A. (CA).
PE		R1	<i>Tuctoria greenei</i>	Poaceae	Greene's orcutt grass	U.S.A. (CA).
PT		R1	<i>Verbena californica</i>	Verbenaceae	Red Hills vervain	U.S.A. (CA).
PT		R1	<i>Verbesina dissita</i>	Asteraceae	Big-leaved crownbeard	U.S.A. (CA), Mexico.
PE		R1	<i>Viola kauaiensis</i> var. <i>wahiawaensis</i>	Violaceae	Nani wai'ale'ale	U.S.A. (HI).
PE		R1	<i>Viola oahuensis</i>	Violaceae	None	U.S.A. (HI).
C	4	R6	<i>Yermo xanthocephalus</i>	Asteraceae	Desert yellowhead	U.S.A. (WY).
PE		R1	<i>Zanthoxylum dipetalum</i> var. <i>tomentosum</i> .	Rutaceae	A'e	U.S.A. (HI).
C	11	R2	<i>Zanthoxylum parvum</i>	Rutaceae	Shinner's tickle-tongue	U.S.A. (TX).
PT		R1	CONIFERS AND CYCADS. <i>Cupressus goveniana</i> ssp. <i>goveniana</i> .	Cupressaceae	Gowen cypress	U.S.A. (CA).

Table 2—Former Candidates and Proposed Species Now Removed From Candidate Status

Status		Lead Region	Scientific name	Family	Common name	Historic range
Code	Expl.					
R	A	R4	MAMMALS. <i>Eumops glaucinus floridanus</i>	Molossidae	Florida mastiff-bat	U.S.A. (FL).
R	F	R8	BIRDS. <i>Artamus leucorhynchus pelewensis</i>	Artamidae	Wood-swallow, Palau white-breasted.	PW, FM (Caroline Islands).
R	F	R8	<i>Asio flammeus ponapensis</i>	Strigidae	Owl, Ponape short-eared	FM (Caroline Islands).
R	F	R8	<i>Rukia ruki</i>	Zosteropidae	White-eye, Truk greater	FM (Caroline Islands).
E	L	R1	AMPHIBIANS. <i>Bufo microscaphus californicus</i>	Bufo	Toad, Arroyo southwestern	U.S.A. (CA), Mexico.
R	A	R1	<i>Bufo nelsoni</i>	Bufo	Amargosa toad	U.S.A. (NV).
R	A	R4	<i>Eleutherodactylus eneidae</i>	Leptodactylidae	Mottled coqui (Eneida's coqui)	U.S.A. (PR).
R	A	R4	<i>Eleutherodactylus karlschmidti</i>	Leptodactylidae	Web-footed coqui	U.S.A. (PR).
R	N	R4	<i>Rana areolata sevosa</i>	Ranidae	Dusky crawfish (=gopher) frog	U.S.A. (AL, FL, LA, MS).
R	A	R4	FISHES. <i>Elassoma alabamae</i>	Centrarchidae	Spring pygmy sunfish	U.S.A. (AL).
E	L	R4	<i>Etheostoma etowahae</i>	Percidae	Darter, Etowah	U.S.A. (GA)
R	A	R1	<i>Lentipes concolor</i>	Gobiidae	O'opu alamo'o (goby)	U.S.A. (HI).
R	A	R6	<i>Lepidomeda mollispinis mollispinis</i>	Cyprinidae	Spinedace, Virgin	U.S.A. (AZ, NV, UT).
E	L	R4	CLAMS. <i>Alasmidonta raveneliana</i>	Unionidae	Elktoe, Appalachian	U.S.A. (NC, TN)
R	A	R2	SNAILS. <i>Pyrgulopsis</i> ("Fontelicella") <i>pecosensis</i> (Taylor, 1987).	Hydrobiidae	Pecos springsnail	U.S.A. (NM).
E	L	R1	<i>Helminthoglypta walkeriana</i>	Helminthoglyptida	Snail, Morro shoulderband (=Banded dune).	U.S.A. (CA)
R	A	R1	INSECTS. <i>Aegialia concinna</i>	Scarabaeidae	Ciervo aegialian scarab (beetle)	U.S.A. (CA).
R	I	R1	<i>Coelus gracilis</i>	Tenebrionidae	San Joaquin dune beetle	U.S.A. (CA).
R	M	R1	<i>Icaricia icariodes</i> ssp.	Lycanidae	Point Reyes blue (butterfly)	U.S.A. (CA).
E	L	R4	<i>Neonympha mitchellii francisci</i>	Nymphalidae	Butterfly, Saint Francis' satyr	U.S.A. (NC)
E	L	R3	<i>Somatochlora hineana</i>	Corduliidae	Dragonfly, Hine's (=Ohio) emerald	U.S.A. (IL, IN, OH, WI)

Table 2—Former Candidates and Proposed Species Now Removed From Candidate Status—Continued

Status Code	Expl.	Lead Region	Scientific name	Family	Common name	Historic range
E	L	R4	ARACHNIDS. <i>Microhexura montivaga</i>	Dipluridae	Spider, spruce-fir moss	U.S.A. (NC, TN)
R	A	R1	CRUSTACEANS. <i>Artemia monica</i>	Artemiidae	Mono Lake brine shrimp	U.S.A. (CA).
R	A	R1	FLOWERING PLANTS. <i>Allium aaseae</i>	Liliaceae	Onion, Aase's	U.S.A. (ID).
R	A	R1	<i>Allium dictyon</i>	Liliaceae	Blue Mountain onion	U.S.A. (WA).
R	A	R1	<i>Allium hickmanii</i>	Liliaceae	Onion, Hickman's	U.S.A. (CA).
E	L	R2	<i>Ambrosia cheiranthifolia</i>	Asteraceae	South Texas ambrosia	U.S.A. (TX)
R	N	R1	<i>Amsinckia carinata</i>	Boraginaceae	None	U.S.A. (OR).
E	L	R4	<i>Arabis perstellata</i>	Brassicaceae	Rock-cress	U.S.A. (AL, KY, TN)
Y		R4	<i>Arabis perstellata</i> var. <i>ampla</i>	*** see ***	<i>Arabis perstellata</i>	
Y		R4	<i>Arabis perstellata</i> var. <i>perstellata</i>	*** see ***	<i>Arabis perstellata</i>	
R	A	R1	<i>Arabis rigidissima</i> var. <i>demota</i>	Brassicaceae	Rock-cress, Galena Creek (=Carson Range).	U.S.A. (NV).
T	L	R1	<i>Arctostaphylos morroensis</i>	Ericaceae	Manzanita, Morro	U.S.A. (CA)
R	I	R1	<i>Arctostaphylos rudis</i>	Ericaceae	Sand mesa (=shagbark) manzanita	U.S.A. (CA).
R	I	R1	<i>Artemisia campestris</i> var. <i>wormskioldii</i> .	Asteraceae	None	U.S.A. (OR, WA).
R	I	R1	<i>Aster jessicae</i>	Asteraceae	Aster, Jessica's	U.S.A. (ID, WA).
R	N	R2	<i>Aster puniceus</i> var. <i>scabricalis</i>	Asteraceae	Aster, rough-stemmed	U.S.A. (TX).
Y		R2	<i>Aster scabricalis</i>	*** see ***	<i>Aster puniceus</i> var. <i>scabricalis</i>	
R	A	R1	<i>Astragalus agnicidus</i>	Fabaceae	Milk-vetch, Humboldt	U.S.A. (CA).
E	L	R1	<i>Astragalus albens</i>	Fabaceae	Cushenbury milk-vetch	U.S.A. (CA)
R	A	R1	<i>Astragalus australis</i> var. <i>olympicus</i>	Fabaceae	None	U.S.A. (WA).
R	A	R1	<i>Astragalus beatleyae</i>	Fabaceae	Milk-vetch, Beatley	U.S.A. (NV).
R	A	R1	<i>Astragalus columbianus</i>	Fabaceae	Columbia milk-vetch	U.S.A. (WA).
R	A	R1	<i>Astragalus mulfordiae</i>	Fabaceae	Mulford's milk-vetch	U.S.A. (ID, OR).
R	A	R1	<i>Astragalus nevinii</i>	Fabaceae	Milk-vetch, San Clemente Island	U.S.A. (CA).
E	L	R2	<i>Astrophytum</i> (=Echinocactus) <i>asterias</i> .	Cactaceae	Star cactus	U.S.A. (TX), Mexico
E	L	R4	<i>Auerodendron pauciflorum</i>	Rhamnaceae	None	U.S.A. (PR)
E	L	R2	<i>Ayenia limitaris</i>	Sterculiaceae	Texas ayenia	U.S.A. (TX), Mexico
R	A	R1	<i>Bloomeria humilis</i>	Liliaceae	Goldenstar, dwarf	U.S.A. (CA).
E	L	R1	<i>Bonamia menziesii</i>	Convolvulaceae	None	U.S.A. (HI)
Y		R1	<i>Brighamia citrina</i>	*** see ***	<i>Brighamia insignis</i>	
E	L	R1	<i>Brighamia insignis</i>	Campanulaceae	'Olulu	U.S.A. (HI)
R	A	R1	<i>Calochortus clavatus</i> var. <i>avius</i>	Liliaceae	Mariposa lily, Pleasant Valley	U.S.A. (CA).
R	A	R1	<i>Calochortus greenei</i>	Liliaceae	Greene's mariposa lily	U.S.A. (CA, OR).
R	I	R1	<i>Calochortus howellii</i>	Liliaceae	Howell's Mariposa lily	U.S.A. (OR).
R	A	R1	<i>Calochortus nitidus</i>	Liliaceae	None	U.S.A. (ID, WA).
T	L	R1	<i>Calochortus tiburonensis</i>	Liliaceae	Tiburon mariposa lily	U.S.A. (CA)
R	A	R1	<i>Calochortus westonii</i>	Liliaceae	Mariposa lily, Shirley Meadows	U.S.A. (CA).
E	L	R4	<i>Calyptanthus thomasiana</i>	Myrtaceae	None	U.S.A. (PR, VI) British VI
R	A	R1	<i>Cardamine pattersonii</i>	Brassicaceae	Saddle Mountain bittercress	U.S.A. (OR).
E	L	R1	<i>Castilleja affinis</i> ssp. <i>neglecta</i>	Scrophulariaceae	Tiburon paintbrush	U.S.A. (CA).
Y		R1	<i>Castilleja neglecta</i>	*** see ***	<i>Castilleja affinis</i> ssp. <i>neglecta</i>	
R	N	R1	<i>Castilleja salsuginosa</i>	Scrophulariaceae	Paintbrush, Monte Neva	U.S.A. (NV).
R	A	R1	<i>Caulanthus amplexicaulis</i> var. <i>barbarae</i> .	Brassicaceae	Jewelflower, Santa Barbara	U.S.A. (CA).
E	L	R1	<i>Ceanothus ferrisae</i>	Rhamnaceae	Coyote ceanothus (=Coyote Valley California-lilac).	U.S.A. (CA)
E	L	R1	<i>Chamaesyce</i> (=Euphorbia) <i>deppeana</i> .	Euphorbiaceae	'Akoko	U.S.A. (HI)
R	X	R1	<i>Chamaesyce remyi</i> var. <i>hanaleiensis</i> .	Euphorbiaceae	None	U.S.A. (HI).
E	L	R1	<i>Chorizanthe pungens</i> var. <i>hartwegiana</i> .	Polygonaceae	Ben Lomond spineflower	U.S.A. (CA)
T	L	R1	<i>Chorizanthe pungens</i> var. <i>pungens</i>	Polygonaceae	Monterey spineflower	U.S.A. (CA)
E	L	R1	<i>Chorizanthe robusta</i> (incl. vars. <i>robusta</i> & <i>hartwegii</i>).	Polygonaceae	Robust (incl. Scotts Valley) spineflower.	U.S.A. (CA)
E	L	R1	<i>Cirsium fontinale</i> var. <i>fontinale</i>	Asteraceae	Fountain thistle	U.S.A. (CA)
E	L	R1	<i>Cirsium fontinale</i> var. <i>obispoense</i>	Asteraceae	Thistle, Chorro Creek bog	U.S.A. (CA)
Y		R1	<i>Clarkia calientensis</i>	*** see ***	<i>Clarkia temblorensis</i> ssp. <i>calientensis</i> .	
E	L	R1	<i>Clarkia franciscana</i>	Onagraceae	Presidio clarkia	U.S.A. (CA)
E	L	R1	<i>Clarkia speciosa</i> ssp. <i>immaculata</i>	Onagraceae	Pismo clarkia	U.S.A. (CA)

Table 2—Former Candidates and Proposed Species Now Removed From Candidate Status—Continued

Status		Lead Region	Scientific name	Family	Common name	Historic range
Code	Expl.					
R	I	R1	<i>Clarkia temblorensis</i> ssp. <i>calientensis</i> .	Onagraceae	Clarkia, Caliente	U.S.A. (CA).
R	N	R1	<i>Claytonia lanceolata</i> var. <i>peirsonii</i>	Portulacaceae	Spring beauty, Peirson's	U.S.A. (CA).
E	L	R1	<i>Clermontia lindseyana</i>	Campanulaceae	'Oha wai	U.S.A. (HI)
E	L	R1	<i>Clermontia peleana</i>	Campanulaceae	'Oha wai	U.S.A. (HI)
E	L	R1	<i>Clermontia pyrularia</i>	Campanulaceae	'Oha wai	U.S.A. (HI)
R	A	R1	<i>Collomia rawsoniana</i>	Polemoniaceae	Trumpet, Rawson's flaming	U.S.A. (CA).
E	L	R1	<i>Colubrina oppositifolia</i>	Rhamnaceae	Kaula	U.S.A. (HI)
Y		R1	<i>Cordylanthus brunneus</i> var. <i>capillaris</i> .	*** see ***	<i>Cordylanthus tenuis</i> ssp. <i>capillaris</i>	
Y		R1	<i>Cordylanthus littoralis</i>	*** see ***	<i>Cordylanthus rigidus</i> ssp. <i>littoralis</i>	
R	A	R1	<i>Cordylanthus nidularius</i>	Scrophulariaceae	Bird's-beak, Mt. Diablo	U.S.A. (CA).
R	A	R1	<i>Cordylanthus rigidus</i> ssp. <i>littoralis</i>	Scrophulariaceae	Bird's-beak, seaside	U.S.A. (CA).
E	L	R1	<i>Cordylanthus tenuis</i> ssp. <i>capillaris</i>	Scrophulariaceae	Pennell's bird's-beak	U.S.A. (CA)
R	A	R2	<i>Coryphantha recurvata</i>	Cactaceae	Cactus, beehive, Santa Cruz	U.S.A. (AZ), Mexico.
E	L	R2	<i>Coryphantha scheeri</i> var. <i>robustispina</i> .	Cactaceae	Pima pineapple cactus	U.S.A. (AZ), Mexico (Sonora)
R	I	R1	<i>Cryptantha traskiae</i>	Boraginaceae	Trask's cryptantha	U.S.A. (CA).
E	L	R1	<i>Cyanea asarifolia</i>	Campanulaceae	Haha	U.S.A. (HI)
Y		R1	<i>Cyanea carlsonii</i>	*** see ***	<i>Cyanea hamatiflora</i> ssp. <i>carlsonii</i>	
E	L	R1	<i>Cyanea copelandii</i> ssp. <i>copelandii</i>	Campanulaceae	Haha	U.S.A. (HI)
Y		R1	<i>Cyanea grimesiana</i> var. <i>hirsutifolia</i>	*** see ***	<i>Cyanea grimesiana</i> ssp. <i>obatae</i>	
E	L	R1	<i>Cyanea grimesiana</i> ssp. <i>obatae</i>	Campanulaceae	Haha	U.S.A. (HI)
E	L	R1	<i>Cyanea hamatiflora</i> ssp. <i>carlsonii</i>	Campanulaceae	Haha	U.S.A. (HI)
Y		R1	<i>Cyanea lindseyana</i>	*** see ***	<i>Clermontia lindseyana</i>	
E	L	R1	<i>Cyanea shipmannii</i>	Campanulaceae	Haha	U.S.A. (HI)
E	L	R1	<i>Cyanea stictophylla</i>	Campanulaceae	Haha	U.S.A. (HI)
E	L	R1	<i>Cyanea truncata</i>	Campanulaceae	Haha	U.S.A. (HI)
R	A	R1	<i>Cymopterus deserticola</i>	Apiaceae	Desert cymopterus	U.S.A. (CA).
E	L	R1	<i>Cyrtandra crenata</i>	Gesneriaceae	Ha'iwale	U.S.A. (HI)
E	L	R1	<i>Cyrtandra giffardii</i>	Gesneriaceae	Ha'iwale	U.S.A. (HI)
T	L	R1	<i>Cyrtandra limahuliensis</i>	Gesneriaceae	Ha'iwale	U.S.A. (HI)
E	L	R1	<i>Cyrtandra polyantha</i>	Gesneriaceae	Ha'iwale	U.S.A. (HI)
E	L	R1	<i>Cyrtandra tintinnabula</i>	Gesneriaceae	Ha'iwale	U.S.A. (HI)
E	L	R1	<i>Delissea rhytidosperra</i>	Campanulaceae	None	U.S.A. (HI)
R	I	R1	<i>Delphinium pavonaceum</i>	Ranunculaceae	Peacock larkspur	U.S.A. (OR).
R	A	R1	<i>Delphinium variegatum</i> ssp. <i>thornei</i>	Ranunculaceae	Larkspur, Thorne's royal	U.S.A. (CA).
R	A	R1	<i>Delphinium viridescens</i>	Ranunculaceae	Larkspur, Wenatchee	U.S.A. (WA).
R	I	R1	<i>Dithyrea maritima</i>	Brassicaceae	Beach spectacle-pod	U.S.A. (CA), Mexico.
R	I	R1	<i>Draba trichocarpa</i>	Brassicaceae	Whitlow-grass, Stanley	U.S.A. (ID).
Y		R1	<i>Drypetes phyllanthoides</i>	*** see ***	<i>Flueggea neowawraea</i>	
R	A	R1	<i>Dudleya cymosa</i> ssp. <i>costifolia</i>	Crassulaceae	Liveforever, Pierpoint Springs (Tulare Co.)	U.S.A. (CA).
E	L	R1	<i>Dudleya setchellii</i>	Crassulaceae	Santa Clara Valley dudleya	U.S.A. (CA)
R	A	R1	<i>Dudleya viscida</i>	Crassulaceae	Liveforever, sticky-leaved	U.S.A. (CA).
Y		R2	<i>Echinocactus asterias</i>	*** see ***	<i>Astrophytum asterias</i>	
E	L	R1	<i>Eremalche kernensis</i> (=E. <i>parryi</i> ssp. <i>k.</i>).	Malvaceae	Kern mallow	U.S.A. (CA)
Y		R1	<i>Eremalche parryi</i> ssp. <i>kernensis</i>	*** see ***	<i>Eremalche kernensis</i>	
T	L	R1	<i>Erigeron parishii</i>	Asteraceae	Parish's daisy	U.S.A. (CA)
E	L	R1	<i>Eriodictyon altissimum</i>	Hydrophyllaceae	Indian Knob mountain balm	U.S.A. (CA)
R	A	R6	<i>Eriogonum brandegei</i>	Polygonaceae	Wild-buckwheat, Brandegee	U.S.A. (CO).
R	A	R1	<i>Eriogonum breedlovei</i> var. <i>breedlovei</i> .	Polygonaceae	Buckwheat, Piute	U.S.A. (CA).
R	A	R1	<i>Eriogonum chrysops</i>	Polygonaceae	Buckwheat, golden	U.S.A. (OR).
R	A	R1	<i>Eriogonum ericifolium</i> var. <i>thornei</i>	Polygonaceae	Buckwheat, Thorne's	U.S.A. (CA).
E	L	R1	<i>Eriogonum ovalifolium</i> var. <i>vineum</i>	Polygonaceae	Cushenbury buckwheat	U.S.A. (CA)
R	I	R1	<i>Eriophyllum lanatum</i> var. <i>hallii</i>	Asteraceae	Ft. Tejon wooly-sunflower	U.S.A. (CA).
E	L	R1	<i>Eriophyllum latilobum</i>	Asteraceae	San Mateo woolly sunflower	U.S.A. (CA)
R	I	R1	<i>Eryngium aristulatum</i> var. <i>hooveri</i>	Apiaceae	Button-celery, Hoover's	U.S.A. (CA).
E	L	R1	<i>Erysimum teretifolium</i>	Brassicaceae	Ben Lomond wallflower	U.S.A. (CA)
R	I	R4	<i>Erythrina eggersii</i>	Fabaceae	Pinon espinoso or cockspur	U.S.A. (PR, VI).
E	L	R4	<i>Eugenia haematocarpa</i>	Myrtaceae	Uvillo	U.S.A. (PR)
E	L	R1	<i>Eugenia koolauensis</i>	Myrtaceae	Nioi	U.S.A. (HI)
Y		R1	<i>Eugenia molokaiana</i>	*** see ***	<i>Eugenia koolauensis</i>	
Y		R1	<i>Euphorbia deppeana</i>	*** see ***	<i>Chamaesyce deppeana</i>	
E	L	R1	<i>Exocarpos luteolus</i>	Santalaceae	Heau	U.S.A. (HI)
E	L	R1	<i>Flueggea neowawraea</i>	Euphorbiaceae	Mehamehame	U.S.A. (HI)
R	X	R4	<i>Franklinia alatamaha</i>	Theaceae	Franklin tree	U.S.A. (GA).
T	L	R4	<i>Gesneria pauciflora</i>	Gesneriaceae	None	U.S.A. (PR)

Table 2—Former Candidates and Proposed Species Now Removed From Candidate Status—Continued

Status Code	Expl.	Lead Region	Scientific name	Family	Common name	Historic range
R	A	R1	<i>Gilia maculata</i>	Polemoniaceae	Gilia, Little San Bernardino Mountains.	U.S.A. (CA).
Y		R1	<i>Gouania bishopii</i>	*** see ***	Gouania vitifolia	
Y		R1	<i>Gouania hawaiiensis</i>	*** see ***	Gouania vitifolia	
E	L	R1	<i>Gouania vitifolia</i>	Rhamnaceae	None	U.S.A. (HI)
R	A	R1	<i>Hackelia cronquistii</i>	Boraginaceae	Stickseed, Cronquist's	U.S.A. (OR).
R	N	R1	<i>Hackelia venusta</i>	Boraginaceae	Stickseed, showy	U.S.A. (WA).
R	A	R1	<i>Haplopappus insecticruris</i>	Asteraceae	None	U.S.A. (ID).
R	A	R1	<i>Haplopappus radiatus</i>	Asteraceae	Goldenweed,	U.S.A. (ID, OR).
R	I	R1	<i>Hastingsia bracteosa</i>	Liliaceae	None	U.S.A. (OR).
E	L	R1	<i>Hedyotis cookiana</i>	Rubiaceae	'Awiwi	U.S.A. (HI)
R	A	R1	<i>Hemizonia arida</i>	Asteraceae	Tarweed, Red Rock	U.S.A. (CA).
R	A	R1	<i>Hemizonia parryi</i> ssp. <i>congdonii</i>	Asteraceae	Pappose spikeweed	U.S.A. (CA).
T	L	R1	<i>Hesperolinon congestum</i>	Linaceae	Marin dwarf-flax	U.S.A. (CA)
R	A	R1	<i>Hesperolinon didymocarpum</i>	Linaceae	Dwarf-flax, Lake County	U.S.A. (CA).
E	L	R1	<i>Hesperomannia arborescens</i>	Asteraceae	None	U.S.A. (HI)
R	X	R1	<i>Hibiscadelphus crucibracteatus</i>	Malvaceae	None	U.S.A. (HI).
E	L	R1	<i>Hibiscus brackenridgei</i>	Malvaceae	Ma'o hau hele	U.S.A. (HI)
E	L	R1	<i>Hibiscus clayi</i>	Malvaceae	Clay's hibiscus	U.S.A. (HI)
Y		R1	<i>Hibiscus newhousei</i>	*** see ***	Hibiscus clayi	
T	L	R6	<i>Howellia aquatilis</i>	Campanulaceae	Water howellia	U.S.A. (CA, ID, MT, OR, WA)
E	L	R2	<i>Ipomopsis sancti-spiritus</i>	Polemoniaceae	Holy Ghost ipomopsis	U.S.A. (NM)
E	L	R1	<i>Ischaemum byrone</i>	Poaceae	Hilo ischaemum	U.S.A. (HI)
Y		R1	<i>Isodendron hawaiiense</i>	*** see ***	Isodendron pyrifolium	
Y		R1	<i>Isodendron hillebrandii</i>	*** see ***	Isodendron pyrifolium	
Y		R1	<i>Isodendron lanaiense</i>	*** see ***	Isodendron pyrifolium	
Y		R1	<i>Isodendron molokaiense</i>	*** see ***	Isodendron pyrifolium	
E	L	R1	<i>Isodendron pyrifolium</i>	Violaceae	Wahine noho kula	U.S.A. (HI)
Y		R1	<i>Isodendron remyi</i>	*** see ***	Isodendron pyrifolium	
R	A	R1	<i>Ivesia aperta</i> var. <i>canina</i>	Rosaceae	Ivesia, Dog Valley	U.S.A. (CA).
E	L	R4	<i>Jacquemontia reclinata</i>	Convolvulaceae	Beach jacquemontia	U.S.A. (FL)
R	I	R1	<i>Juncus leiospermus</i> var. <i>ahartii</i>	Juncaceae	Rush, Ahart's	U.S.A. (CA).
R	N	R1	<i>Lavatera assurgentiflora</i>	Malvaceae	Island tree mallow (=Malva rosa)	U.S.A. (CA).
Y		R1	<i>Lavatera assurgentiflora</i> ssp. <i>assurgentiflora</i> .	*** see ***	Lavatera assurgentiflora	
Y		R1	<i>Lavatera assurgentiflora</i> ssp. <i>glabra</i>	*** see ***	Lavatera assurgentiflora	
R	A	R1	<i>Layia leucopappa</i>	Asteraceae	Layia, Comanche	U.S.A. (CA).
E	L	R1	<i>Lesquerella kingii</i> ssp. <i>bernardina</i>	Brassicaceae	San Bernardino Mountains bladderpod.	U.S.A. (CA)
E	L	R6	<i>Lesquerella tumulosa</i>	Brassicaceae	Kodachrome bladderpod	U.S.A. (UT)
R	I	R1	<i>Lilium maritimum</i>	Liliaceae	Lily, coast	U.S.A. (CA).
E	L	R1	<i>Lilium occidentale</i>	Liliaceae	Western lily	U.S.A. (OR, CA)
R	A	R1	<i>Limnanthes floccosa</i> ssp. <i>pumila</i>	Limnanthaceae	Meadowfoam, dwarf	U.S.A. (OR).
Y		R1	<i>Lipochaeta deltoidea</i>	*** see ***	Lipochaeta fauriei	
Y		R1	<i>Lipochaeta exigua</i>	*** see ***	Lipochaeta micrantha	
E	L	R1	<i>Lipochaeta fauriei</i>	Asteraceae	Nehe	U.S.A. (HI)
E	L	R1	<i>Lipochaeta micrantha</i>	Asteraceae	Nehe	U.S.A. (HI)
E	L	R1	<i>Lipochaeta waimeaensis</i>	Asteraceae	Nehe	U.S.A. (HI)
E	L	R1	<i>Lobelia oahuensis</i>	Campanulaceae	None	U.S.A. (HI)
R	A	R1	<i>Lomatium erythrocarpum</i>	Apiaceae	Desert-parsley, red-fruited	U.S.A. (OR).
R	A	R1	<i>Lomatium greenmanii</i>	Apiaceae	Desert-parsley, Greenman's	U.S.A. (OR).
R	A	R1	<i>Lomatium shevockii</i>	Apiaceae	Owens Peak lomatium	U.S.A. (CA).
R	A	R1	<i>Lotus argophyllus</i> var. <i>adsurgens</i>	Fabaceae	San Clemente Island silver hosackia.	U.S.A. (CA).
R	I	R1	<i>Luina serpentina</i>	Asteraceae	None	U.S.A. (OR).
R	N	R4	<i>Lunania buchii</i>	Flacourtiaceae	None	U.S.A. (PR), Hispanola.
R	A	R1	<i>Lupinus aridus</i> ssp. <i>ashlandensis</i>	Fabaceae	Lupine, Ashland	U.S.A. (OR).
E	L	R1	<i>Lysimachia filifolia</i>	Primulaceae	None	U.S.A. (HI)
R	A	R1	<i>Malacothamnus abbottii</i>	Malvaceae	Bush-mallow, Abbott's	U.S.A. (CA).
E	L	R1	<i>Mariscus fauriei</i>	Cyperaceae	None	U.S.A. (HI)
E	L	R1	<i>Mariscus pennatiformis</i>	Cyperaceae	None	U.S.A. (HI)
E	L	R1	<i>Melicope adscendens</i>	Rutaceae	Alani	U.S.A. (HI)
E	L	R1	<i>Melicope balloui</i>	Rutaceae	Alani	U.S.A. (HI)
E	L	R1	<i>Melicope haupuensis</i>	Rutaceae	Alani	U.S.A. (HI)
E	L	R1	<i>Melicope knudsenii</i>	Rutaceae	Alani	U.S.A. (HI)
E	L	R1	<i>Melicope (=Pelea) lydgatei</i>	Rutaceae	Alani	U.S.A. (HI)
E	L	R1	<i>Melicope ovalis</i>	Rutaceae	Alani	U.S.A. (HI)
E	L	R1	<i>Melicope pallida</i>	Rutaceae	Alani	U.S.A. (HI)
E	L	R1	<i>Melicope quadrangularis</i>	Rutaceae	Alani	U.S.A. (HI)

Table 2—Former Candidates and Proposed Species Now Removed From Candidate Status—Continued

Status		Lead Region	Scientific name	Family	Common name	Historic range
Code	Expl.					
R	A	R1	<i>Mimulus mohavensis</i>	Scrophulariaceae	Monkey-flower, Mojave	U.S.A. (CA).
E	L	R4	<i>Mitracarpus maxwelliae</i>	Rubiaceae	None	U.S.A. (PR)
E	L	R1	<i>Munroidendron racemosum</i>	Araliaceae	None	U.S.A. (HI)
E	L	R4	<i>Myrcia paganii</i>	Myrtaceae	None	U.S.A. (PR)
Y		R1	<i>Neowawraea phyllanthoides</i>	*** see ***	Flueggea neowawraea	
Y		R2	<i>Nephropetalum pringlei</i>	*** see ***	Ayenia limitaris	
Y		R1	<i>Neraudia kahoolawensis</i>	*** see ***	Neraudia sericea	
E	L	R1	<i>Neraudia sericea</i>	Urticaceae	None	U.S.A. (HI)
E	L	R1	<i>Nothoecstrum breviflorum</i>	Solanaceae	'Aiea	U.S.A. (HI)
E	L	R1	<i>Nothoecstrum peltatum</i>	Solanaceae	'Aiea	U.S.A. (HI)
E	L	R1	<i>Ochrosia kilauaeensis</i>	Apocynaceae	Holei	U.S.A. (HI)
R	A	R1	<i>Oenothera psammophila</i>	Onagraceae	Evening-primrose,	U.S.A. (ID).
R	A	R1	<i>Oenothera wolffii</i>	Onagraceae	Evening-primrose, Wolf's	U.S.A. (CA, OR).
R	A	R1	<i>Orbanche parishii</i> ssp. <i>brachyloba</i>	Orobanchaceae	Broomrape, short-lobed	U.S.A. (CA).
E	L	R1	<i>Oxytheca parishii</i> var. <i>goodmaniana</i>	Polygonaceae	Cushenbury oxytheca	U.S.A. (CA)
Y		R1	<i>Pelea balloui</i>	*** see ***	Melicope balloui	
Y		R1	<i>Pelea descendens</i>	*** see ***	Melicope lydgatei	
Y		R1	<i>Pelea haupuensis</i>	*** see ***	Melicope haupuensis	
Y		R1	<i>Pelea knudsenii</i>	*** see ***	Melicope knudsenii	
Y		R1	<i>Pelea leveillei</i>	*** see ***	Melicope pallida	
Y		R1	<i>Pelea lydgatei</i>	*** see ***	Melicope lydgatei	
Y		R1	<i>Pelea multiflora</i>	*** see ***	Melicope knudsenii	
Y		R1	<i>Pelea ovalis</i>	*** see ***	Melicope ovalis	
Y		R1	<i>Pelea pallida</i>	*** see ***	Melicope pallida	
Y		R1	<i>Pelea quadrangularis</i>	*** see ***	Melicope quadrangularis	
Y		R1	<i>Pelea tomentosa</i>	*** see ***	Melicope knudsenii	
R	A	R2	<i>Penstemon discolor</i>	Scrophulariaceae	Beardtongue, Catalina	U.S.A. (AZ).
E	L	R1	<i>Pentachaeta bellidiflora</i>	Asteraceae	White-rayed pentachaeta	U.S.A. (CA)
R	A	R1	<i>Pentachaeta exilis</i> ssp. <i>aeolica</i>	Asteraceae	Pentachaeta, slender	U.S.A. (CA).
R	I	R1	<i>Petrophytum cinerascens</i>	Rosaceae	Rockmat, chelan	U.S.A. (WA).
Y		R1	<i>Peucedanum kauaiense</i>	*** see ***	Peucedanum sandwicense	
T	L	R1	<i>Peucedanum sandwicense</i>	Apiaceae	Makou	U.S.A. (HI)
R	A	R1	<i>Phlox idahonis</i>	Polemoniaceae	Phlox, Clearwater	U.S.A. (ID).
E	L	R1	<i>Phyllostegia waimaeae</i>	Lamiaceae	None	U.S.A. (HI)
E	L	R1	<i>Plantago hawaiiensis</i>	Plantaginaceae	Laukahi kuahiwi	U.S.A. (HI)
E	L	R1	<i>Plantago princeps</i>	Plantaginaceae	Laukahi kuahiwi	U.S.A. (HI)
Y		R1	<i>Plantago princeps</i> var. <i>acaulis</i>	*** see ***	Plantago princeps	
Y		R1	<i>Plantago princeps</i> var. <i>denticulata</i>	*** see ***	Plantago princeps	
Y		R1	<i>Plantago princeps</i> var. <i>elata</i>	*** see ***	Plantago princeps	
Y		R1	<i>Plantago princeps</i> var. <i>laxifolia</i>	*** see ***	Plantago princeps	
Y		R1	<i>Plantago princeps</i> var. <i>queleniana</i>	*** see ***	Plantago princeps	
E	L	R4	<i>Pleodendron macranthum</i>	Canellaceae	Chupacallos (=Chupagallos)	U.S.A. (PR)
R	A	R1	<i>Pleuropogon oregonus</i>	Poaceae	Semaphore grass, Oregon	U.S.A. (OR).
E	L	R1	<i>Poa mannii</i>	Poaceae	Mann's bluegrass	U.S.A. (HI)
R	A	R1	<i>Polemonium pectinatum</i>	Polemoniaceae	None	U.S.A. (WA).
R	A	R1	<i>Polyctenium williamsiae</i>	Brassicaceae	Combleaf	U.S.A. (NV).
E	L	R1	<i>Portulaca sclerocarpa</i>	Portulacaceae	Po'e	U.S.A. (HI)
R	A	R1	<i>Potentilla basaltica</i>	Rosaceae	Cinquefoil, Soldier Meadows	U.S.A. (NV).
E	L	R1	<i>Pritchardia affinis</i>	Arecaceae	Loulu	U.S.A. (HI)
E	L	R1	<i>Pteralyxia kauaiensis</i>	Apocynaceae	Kaulu	U.S.A. (HI)
R	A	R1	<i>Puccinellia howellii</i>	Poaceae	Alkali grass, Howell's	U.S.A. (CA).
R	I	R1	<i>Ranunculus reconditus</i>	Ranunculaceae	None	U.S.A. (OR, WA).
E	L	R1	<i>Rollandia crispa</i>	Campanulaceae	None	U.S.A. (HI)
R	A	R1	<i>Rorippa subumbellata</i>	Brassicaceae	Yellow-cress, Tahoe	U.S.A. (CA, NV).
R	I	R1	<i>Rubus nigerrimus</i>	Rosaceae	None	U.S.A. (WA).
E	L	R1	<i>Schiedea spergulina</i> var. <i>leiopoda</i>	Caryophyllaceae	None	U.S.A. (HI)
T	L	R1	<i>Schiedea spergulina</i> var. <i>spergulina</i>	Caryophyllaceae	None	U.S.A. (HI)
Y		R1	<i>Schizostegia lidgatei</i>	*** see ***	Pteris lidgatei	
R	A	R2	<i>Scrophularia macrantha</i>	Scrophulariaceae	Figwort	U.S.A. (NM).
R	A	R1	<i>Senecio erterae</i>	Asteraceae	Ragwort, Ertter's	U.S.A. (OR).
R	A	R2	<i>Senecio huachucanus</i>	Asteraceae	Groundsel, Huachuca	U.S.A. (AZ), Mexico.
Y		R1	<i>Sesbania arborea</i>	*** see ***	Sesbania tomentosa	
Y		R1	<i>Sesbania hawaiiensis</i>	*** see ***	Sesbania tomentosa	
Y		R1	<i>Sesbania hobdyi</i>	*** see ***	Sesbania tomentosa	
Y		R1	<i>Sesbania molokaiensis</i>	*** see ***	Sesbania tomentosa	
E	L	R1	<i>Sesbania tomentosa</i>	Fabaceae	'Ohai	U.S.A. (HI)
Y		R1	<i>Sesbania tomentosa</i> var. <i>molokaiensis</i>	*** see ***	Sesbania tomentosa	
R	A	R1	<i>Sidalcea covillei</i>	Malvaceae	Checkermallow, Owens Valley	U.S.A. (CA).
R	A	R1	<i>Sidalcea stipularis</i>	Malvaceae	Checkerbloom, Scadden Flat	U.S.A. (CA).

Table 2—Former Candidates and Proposed Species Now Removed From Candidate Status—Continued

Status		Lead Region	Scientific name	Family	Common name	Historic range
Code	Expl.					
T	L	R1	<i>Silene hawaiiensis</i>	Caryophyllaceae	None	U.S.A. (HI)
Y		R1	<i>Solanum haleakalaense</i>	*** see ***	<i>Solanum incompletum</i>	
Y		R1	<i>Solanum hillebrandii</i>	*** see ***	<i>Solanum sandwicense</i>	
E	L	R1	<i>Solanum incompletum</i>	Solanaceae	Popolo ku mai	U.S.A. (HI)
Y		R1	<i>Solanum kauaiense</i>	*** see ***	<i>Solanum sandwicense</i>	
E	L	R1	<i>Solanum sandwicense</i>	Solanaceae	'Aiakeakua, popolo	U.S.A. (HI)
E	L	R1	<i>Spermolepis hawaiiensis</i>	Apiaceae	None	U.S.A. (HI)
R	I	R1	<i>Sphaeromeria compacta</i>	Asteraceae	Tansy,	U.S.A. (NV)
E	L	R1	<i>Streptanthus albidus</i> ssp. <i>albidus</i>	Brassicaceae	Metcalf Canyon jewelflower	U.S.A. (CA)
R	N	R1	<i>Streptanthus albidus</i> ssp. <i>peramoenus</i>	Brassicaceae	Jewelflower, most beautiful (=uncommon).	U.S.A. (CA)
R	I	R1	<i>Streptanthus brachiatus</i> ssp. <i>brachiatus</i>	Brassicaceae	<i>Streptanthus</i> , Contact Mine	U.S.A. (CA)
R	I	R1	<i>Streptanthus brachiatus</i> ssp. <i>hoffmanii</i>	Brassicaceae	Jewelflower, Freed's	U.S.A. (CA)
R	I	R1	<i>Streptanthus morrisonii</i> ssp. <i>elatus</i>	Brassicaceae	Jewelflower, Three Peaks	U.S.A. (CA)
R	I	R1	<i>Streptanthus morrisonii</i> ssp. <i>hirtiflorus</i>	Brassicaceae	Jewelflower, Dorr's Cabin	U.S.A. (CA)
E	L	R1	<i>Streptanthus niger</i>	Brassicaceae	Tiburon jewelflower	U.S.A. (CA)
E	L	R1	<i>Suaeda californica</i>	Chenopodiaceae	Seablite, California	U.S.A. (CA)
R	A	R1	<i>Synthyris ranunculina</i>	Scrophulariaceae	Kittentails,	U.S.A. (NV)
R	N	R1	<i>Trifolium polyodon</i>	Fabaceae	Clover, Pacific Grove	U.S.A. (CA)
R	I	R1	<i>Trifolium thompsonii</i>	Fabaceae	Clover, Thompson's	U.S.A. (WA)
Y		R1	<i>Urostachys nutans</i>	*** see ***	<i>Lycopodium nutans</i>	
			CONIFERS AND CYCADS.			
R	N	R1	<i>Cupressus stephensonii</i>	Cupressaceae	Cypress, Cuyamaca	U.S.A. (CA)
			FERNS AND ALLIES.			
E	L	R1	<i>Adenophorus periers</i>	Grammitidaceae	Pendant kahi fern	U.S.A. (HI)
E	L	R1	<i>Asplenium fragile</i> var. <i>insulare</i>	Aspleniaceae	None	U.S.A. (HI)
E	L	R1	<i>Ctenitis squamigera</i>	Aspleniaceae	Pauoa	U.S.A. (HI)
E	L	R1	<i>Diellia erecta</i>	Aspleniaceae	Asplenium-leaved diellia	U.S.A. (HI)
E	L	R1	<i>Diellia pallida</i>	Aspleniaceae	None	U.S.A. (HI)
E	L	R1	<i>Diellia unisora</i>	Aspleniaceae	None	U.S.A. (HI)
E	L	R1	<i>Diplazium molokaiense</i>	Aspleniaceae	None	U.S.A. (HI)
E	L	R1	<i>Lycopodium nutans</i>	Lycopodiaceae	Wawae'iole	U.S.A. (HI)
R	N	R1	<i>Ophioglossum concinnum</i>	Ophioglossaceae	Adder's-tongue,	U.S.A. (HI)
E	L	R1	<i>Pteris lidgatei</i>	Adiantaceae	None	U.S.A. (HI)
			LICHENS.			
E	L	R4	<i>Gymnoderma lineare</i>	Cladoniaceae	Lichen, rock gnome	U.S.A. (NC, TN)

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