

"FEDERAL REGISTER" CITATION OF PREVIOUS ANNOUNCEMENT: [To be published].

STATUS: Open meeting.

PLACE: 450 Fifty Street, NW., Washington, D.C.

DATES PREVIOUSLY ANNOUNCED: September 6, 1985.

CHANGE IN THE MEETING: Additional item.

The following additional item will be considered at an open meeting scheduled for Thursday, September 19, 1985, at 10:00 a.m.:

In connection with the Commission consideration of side-by-side market making pilot, as previously announced in 50 FR 37110, Sept 11, 1985 the Commission also will consider the NASD's Petition for Reconsideration of and comments on Securities Exchange Act Release No. 22026 ("OTC Options release"). For further information, please contact Alden Adkins at (202) 272-2843 or Sharon Lawson at (202) 272-2825.

Commissioner Cox, as duty officer, determines that Commission business required the above change and that no

earlier notice thereof was possible.

At times changes in Commission priorities require alterations in the scheduling of meeting items. For further information and to ascertain what, if any, matters have been added, deleted or postponed, please contact: David Powers at (202) 272-2091.

John Wheeler,

Secretary.

September 12, 1985.

[FR Doc. 85-22413 Filed 9-16-85; 12:49 pm]

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federal register

Wednesday
September 18, 1985

Part II

Environmental Protection Agency

40 CFR Part 300

**Amendment to National Oil and
Hazardous Substances Contingency Plan;
the National Priorities List; Proposed
Rule**

ENVIRONMENTAL PROTECTION AGENCY

40 CFR Part 300

[SWH-FRL 2874-1]

Amendment to National Oil and Hazardous Substances Contingency Plan; the National Priorities List

AGENCY: Environmental Protection Agency.

ACTION: Proposed rule.

SUMMARY: The Environmental Protection Agency ("EPA") is proposing the fourth update to the National Priorities List ("NPL"). This update contains 38 sites, including one re-proposed site. The NPL is Appendix B to the National Oil and Hazardous Substances Contingency Plan ("NCP"), which EPA promulgated pursuant to section 105 of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 ("CERCLA") and Executive Order 12316. CERCLA requires that the NPL be revised at least annually, and today's notice proposes the fourth such revision.

These sites are being proposed because they meet the eligibility requirements of the NPL. EPA has included on the NPL releases and threatened releases of designated hazardous substances, as well as "pollutants or contaminants" which may present an imminent and substantial danger to the public health or welfare. This notice provides the public with an opportunity to comment on the listing of these 38 sites on the NPL.

DATES: Comments may be submitted on or before November 18, 1985.

ADDRESSES: Comments may be mailed to Russel H. Wyer, Director, Hazardous Site Control Division (Attn: NPL Staff), Office of Emergency and Remedial Response (WH-548E), Environmental Protection Agency, 401 M Street, SW., Washington, D.C. 20460. The Headquarters public docket for the fourth update to the NPL will contain: Hazard Ranking System (HRS) score sheets for each proposed site and each Federal facility site listed in Section IV of this notice; a Documentation Record for each site describing the information used to compute the scores; and a list of document references. The Headquarters public docket is located in EPA Headquarters, Waterside Mall sub-basement, 401 M St., SW., Washington, D.C. 20460, and is available for viewing by appointment only from 9:00 a.m. to 4:00 p.m., Monday through Friday excluding holidays. Requests for copies of the documents from the Headquarters

public docket should be directed to the EPA Headquarters docket office. The HRS score sheets and the Documentation Record for each site in a particular EPA Region will be available for viewing in that Regional Office when this notice is published. These Regional dockets will also contain documents with the background data EPA relied upon in calculating or evaluating the HRS scores. Copies of these background documents may be viewed in the appropriate Regional Office and copies may be obtained from the Region. A third category of documents with some relevance to the scoring of each site also may be viewed and copied by arrangement with the appropriate EPA Regional Office. An informal written request, rather than a formal request, should be the ordinary procedure for obtaining copies of any of these documents. Requests for HRS score sheets and Documentation Records should be directed to the appropriate Regional Office docket (see addresses below). Requests for background documents should be directed to the appropriate Regional Superfund Branch office.

Copies of comments submitted to headquarters during the 60-day public comment period may be viewed only in the Headquarters docket during the comment period. A complete set of comments pertaining to sites in a particular EPA Region will be available for viewing in the Regional Office docket approximately one week following the close of the formal comment period. Comments received after the close of comment period will be available at Headquarters and in the appropriate Regional Office docket on an "as received" basis. An informal written request, rather than a formal request, should be the ordinary procedure for obtaining copies of these comments. Addresses for the Headquarters and Regional Office dockets are:

Denise Sines, Headquarters, U.S. EPA CERCLA Docket Office, Waterside Mall, Subbasement, 401 M Street, SW., Washington, DC 20460, 202/382-3046

Peg Nelson, Region I, U.S. EPA Library, Room E121, John F. Kennedy Federal Bldg., Boston, MA 02203, 617/223-5791

Carol Peterson, Region II, U.S. EPA Library, 26 Federal Plaza, 7th Floor, Room 734, New York, NY 10278, 212/264-8677

Diane McCreary, Region III, U.S. EPA Library, 5th Floor, 841 Chestnut Bldg., 9th & Chestnut Streets, Philadelphia, PA 19106, 215/597-0508

Gayle Alston, Region IV, U.S. EPA Library, Room G-6, 345 Courtland Street, NE., Atlanta, GA 30365, 404/881-4216

Lou Tilley, Region V, U.S. EPA Library, Room 1420, 230 South Dearborn Street, Chicago, IL 60604, 312/353-2022

Martha McKee, Region VI, InterFirst II Bldg., 1201 Elm Street, Dallas, TX 75270, 214/767-9809

Connie McKenzie, Region VII, U.S. EPA Library, 726 Minnesota Avenue, Kansas City, KS 66101, 913/236-2828
Dolores Eddy, Region VIII, U.S. EPA Library, 1960 Lincoln Street, Denver, CO 80295, 303/844-2560

Jean Circiello, Region IX, U.S. EPA Library, 6th Floor, 215 Fremont Street, San Francisco, CA 94105, 415/974-8076

Joan McNamee, Region X, U.S. EPA, 11th Floor, 1200 6th Avenue, Seattle, WA 98101, 206/442-4903

FOR FURTHER INFORMATION CONTACT: Jane Metcalfe, Hazardous Site Control Division, Office of Emergency and Remedial Response (WH-548E), Environmental Protection Agency, 401 M Street, SW., Washington, D.C. 20460, Phone (800) 424-9346 (or 382-3000 in the Washington, D.C., metropolitan area).

SUPPLEMENTARY INFORMATION:

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I. Introduction

Pursuant to section 105 of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, 42 U.S.C. 9601-9657 ("CERCLA" or "the Act") and Executive Order 12316 (46 FR 42237, August 20, 1981), the Environmental Protection Agency ("EPA" or "the Agency") promulgated the revised National Contingency Plan ("NCP"), 40 CFR Part 300, on July 16, 1982 (47 FR 31180). Those amendments to the NCP implement the responsibilities and authorities created by CERCLA to respond to releases and threatened releases of hazardous substances, pollutants, or contaminants.

Section 105(8)(A) of CERCLA requires that the NCP include criteria for determining priorities among releases or threatened releases throughout the United States for the purpose of taking remedial action and, to the extent practicable, taking into account the potential urgency of such action, for the purpose of taking removal action.

Removal action involves cleanup or other actions that are taken in response to emergency conditions or on a short-term or temporary basis (CERCLA section 101(23)). Remedial action tends to be long-term in nature and involves response actions which are consistent with a permanent remedy for a release (CERCLA section 101(24)). Criteria for determining priorities are included in the Hazard Ranking System ("HRS"), which EPA promulgated as Appendix A of the NCP (47 FR 31219, July 16, 1982).

Section 105(8)(B) of CERCLA requires that the statutory criteria be used to prepare a list of national priorities among the known releases or threatened releases throughout the United States, and that to the extent practicable, at least 400 sites be designated individually. CERCLA requires that this National Priorities List ("NPL") be included as part of the NCP. Today, the Agency is proposing the addition of 38 sites to the NPL. This brings the number of proposed sites to 309 in addition to the 541 that have been promulgated.

EPA is proposing to include on the NPL sites at which there are or have been releases or threatened releases of hazardous substances, or of "pollutants or contaminants." The discussion below may refer to "releases or threatened releases" simply as "releases," "facilities," or "sites."

II. Purpose of the NPL

The primary purpose of the NPL is stated in the legislative history of CERCLA (Report of the Committee on Environment and Public Works, Senate Report No. 96-848, 96th Cong., 2d. Sess. 60 (1980)):

The priority lists serve primarily informational purposes, identifying for the States and the public those facilities and sites or other releases which appear to warrant remedial actions. Inclusion of a facility or site on the list does not in itself reflect a judgment of the activities of its owner or operator, it does not require those persons to undertake any action, nor does it assign liability to any person. Subsequent government action in the form of remedial actions or enforcement actions will be necessary in order to do so, and these actions will be attended by all appropriate procedural safeguards.

The purpose of the NPL, therefore, is primarily to serve as an informational tool for use by EPA in identifying sites that appear to present a significant risk to public health or the environment. The initial identification of a site for the NPL is intended primarily to guide EPA in determining which sites warrant further investigation, to assess the nature and extent of the public health and environmental risks associated with the site, and to determine what CERCLA-

financed remedial action(s), if any, may be appropriate. Inclusion of a site on the NPL does not establish that EPA necessarily will undertake remedial actions. Moreover, listing does not require any action of any private party, nor does it determine the liability of any party for the cost of cleanup at the site. In addition, a site need not be on the NPL to be the subject of CERCLA-financed removal actions or of actions brought pursuant to sections 106 or 107(a)(4)(B) of CERCLA.

In addition, although the HRS scores used to place sites on the NPL may be helpful to the Agency in determining priorities for cleanup and other response activities among sites on the NPL, EPA does not rely on the scores as the sole means of determining such priorities, as discussed below. The information collected to develop HRS scores is not sufficient in itself to determine the appropriate remedy for a particular site. EPA relies on further, more detailed studies to determine what response, if any, is appropriate. These studies will take into account the extent and magnitude of contaminants in the environment, the risk to affected populations and environment, the cost to correct problems at the site, and the response actions that have been taken by potentially responsible parties or others. Decisions on the type and extent of action to be taken at these sites are made in accordance with the criteria contained in Subpart F of the NCP. After conducting these additional studies, EPA may conclude that it is not desirable to conduct response action at some sites on the NPL because of more pressing needs at other sites. Given the limited resources available in the Hazardous Substance Response Trust Fund established under CERCLA, the Agency must carefully balance the relative needs for response at the numerous site it has studied. Also, it is possible that EPA will conclude after further analysis that no action is needed at a site because the site does not present a significant threat to public health, welfare, or the environment.

III. NPL Update Process and Schedule

Pursuant to section 105(8)(B) of CERCLA, 42 U.S.C. 9605(8)(B), EPA is required to establish, as part of the NCP, a priority list of sites. The NPL fulfills that obligation. The purpose of this notice is to propose the addition to the NPL of 38 new sites.

CERCLA requires that the NPL be revised at least once per year. Accordingly, EPA published the first NPL on September 8, 1983 (48 FR 40658), containing 406 sites. EPA has proposed three updates to the NPL since then. One

hundred and thirty-three sites were proposed on September 8, 1983 as NPL Update #1. Four of these sites were promulgated on May 8, 1984 (48 FR 19480) and 128 sites, including five sites deferred from the September 8, 1983 rulemaking, were promulgated on September 21, 1984 (49 FR 37030). On October 15, 1984 (49 FR 40320), 244 sites were proposed as NPL Update #2. Two of these 244 sites were placed on the final NPL on February 14, 1985 (50 FR 6320) and 242 remain proposed. In Update #3, twenty-six sites were proposed on April 10, 1985 for inclusion on the NPL. One of these sites was recently added to the NPL, bringing the number of final NPL sites to 541.

In addition to these periodic updates, EPA believes it may be desirable in rare instances to propose or promulgate separately individual sites on the NPL because of the apparent need for expedited remedial action. This occurred in the case of the proposing listing of Times Beach, Missouri (48 FR 9311, March 4, 1983), the promulgation of four San Gabriel Valley, California, sites (49 FR 19480, May 8, 1984), the promulgation of two New Jersey radium sites (50 FR 6320, February 14, 1985), and the promulgation of the Lansdowne Radiation site in Lansdowne, Pennsylvania.

As with the establishment of the initial NPL and subsequent revisions, States have the primary responsibility for selecting and scoring sites that are candidates and submitting the candidate sites to the EPA Regional Offices. States may also designate a single site as the State priority site. For each proposed NPL update, EPA informs the States of the closing dates for submission of candidate sites to EPA. This proposed update is the third within one year and continues EPA's plan to increase the frequency of updating of the NPL. The EPA Regional Offices then conduct a quality control review of the State's candidate sites. After conducting this review, the EPA Regional Offices submit candidate sites to EPA Headquarters. The Regions may include candidate sites in addition to those submitted by States. In reviewing these submissions, EPA Headquarters conducts further quality assurance audits to ensure accuracy and consistency among the various EPA and State offices participating in the scoring.

EPA recently promulgated an amendment to section 300.66(b)(4) of the NCP allowing certain sites with HRS scores below 28.50 to be eligible for the NPL. These sites may qualify for the NPL if all of the following occur:

• The Agency for Toxic Substances and Disease Registry of the U.S. Department of Health and Human Services (ATSDR) has issued a health advisory which recommends dissociation of individuals from the release.

• The Agency determines that the release poses a significant threat to public health.

• EPA anticipates that it will be more cost-effective to use its remedial authority than to use its removal authority to respond to the release.

This Federal Register notice lists sites not currently on the NPL that the Agency is proposing to add to the NPL. These proposed additions are listed immediately following this preamble.

Public Comment Period

EPA requests public comment on these 38 proposed sites. Comments on the proposed sites will be accepted for 60 days following publication of this notice in the Federal Register. EPA is also soliciting comments on three Federal facilities that have HRS scores of 28.50 or higher and that may be added to the NPL in the future. The following section of this preamble identifies these sites and discusses EPA's Federal facility approach. See the "ADDRESSES" portion of this notice for information on where to obtain documents relating to the scoring of the 38 non-Federal and three Federal sites. After considering the relevant comments received during the comment period and determining the final score for each site, the Agency will add to the NPL all proposed sites that meet EPA's criteria for listing. In past NPL rulemakings, EPA has considered comments received after the official close of the comment period. Because the Agency has now increased the schedule of rulemaking to three NPL updates per year, EPA may no longer have the opportunity to consider late comments. EPA may add the three Federal facility sites without a further comment period, contingent upon the outcome of proposed changes to the NCP (50 FR 5862, February 12, 1985). This is discussed in greater detail in the following section.

IV. Eligibility

CERCLA restricts EPA's authority to respond to certain categories of releases and expressly excludes some substances from the definition of release. In addition, as a matter of policy, EPA may choose not to use CERCLA to respond to certain types of releases because other authorities can be used to achieve cleanup of these releases. Preambles to previous NPL rulemakings have discussed examples of

these policies. See, e.g., 48 FR 40658 (September 8, 1983); 49 FR 37074 (September 21, 1984); and 49 FR 40320 (October 15, 1984). Generally, this proposed update continues these past eligibility policies.

NPL eligibility policies of particular relevance to this proposed update are discussed below, and include the RCRA, Federal facilities and the mining waste site policies.

RCRA-Related Sites

The Hazardous and Solid Waste Amendments of 1984 expanded the Agency's authority to require corrective measures under the Resource Conservation and Recovery Act (RCRA). The Agency intends to use the new RCRA authorities, where practical, to effect cleanup. In the preamble to Update #3 (50 FR 14115, April 10, 1985), the Agency discussed a concept for a revised policy for listing RCRA-related sites. Specifically, EPA suggested deferring the listing of certain categories of RCRA-related sites that scored 28.50 or above until the Agency determines that RCRA measures are not likely to succeed due to factors such as: (1) The inability or unwillingness of the owner/operator to pay for such action; (2) the inadequacies of the financial responsibility guarantees to pay for such costs; or (3) Agency or State priorities for addressing the sites under RCRA. This suggested deferred listing policy would be applicable only to sites with releases subject to RCRA regulatory or enforcement authorities.

As stated in the preamble to proposed NPL Update #3, the Agency intends to apply any revised RCRA-related site listing policy to RCRA-related sites that are currently proposed or promulgated on the NPL, and, in appropriate cases, delete sites from the NPL. For example, such sites could be removed from the proposed or final NPL if the Agency determines that: (1) All necessary corrective measures are likely to be completed under RCRA authorities and (2) CERCLA Fund-financed activities, such as remedial investigation/feasibility studies, remedial design or remedial action, or CERCLA enforcement action have not been initiated. If such a policy were applied to currently proposed and promulgated sites on the NPL and it is determined that such sites should be removed from the proposed or final NPL, these sites could be relisted if the Agency later determines that RCRA corrective measures at these sites are not likely to succeed.

EPA presented this information in more detail in the preamble to Update #3 and requested comment on the

suggested RCRA listing policy. Because the Agency is still receiving and evaluating comments on this suggested RCRA listing policy and has not yet adopted a final policy, RCRA-related sites will be considered for listing on the basis of the current RCRA listing policy (See 49 FR 37070, September 21, 1984). EPA will use the expanded RCRA permitting authorities and RCRA enforcement authorities, and, if necessary, appropriate CERCLA authorities, for cleaning up sites.

Under the current RCRA listing policy, EPA has considered eligible for listing those RCRA facilities where a significant portion of the release appeared to come from a "non-regulated land disposal unit" of the facility. Non-regulated land disposal units are defined as portions of the facility that ceased receiving hazardous waste prior to January 26, 1983, the effective date of EPA's permitting standards for land disposal (47 FR 32339, July 26, 1982). Under the current policy, regulated land disposal units of RCRA facilities generally would not be included on the NPL, except where the facility had been abandoned or lacked sufficient resources and RCRA corrective action could not be enforced.

The Agency proposed four RCRA-related sites for Update #3 on the basis of the current RCRA listing policy. Nine RCRA-related sites with HRS scores of 28.50 or above were submitted for Update #4. We have applied our current RCRA listing policy to these sites and have included them on the proposed list. These sites are:

- Interstate Lead Co. (ILCO), Leeds, Alabama
- Martin Marietta (Denver Aerospace), Waterton, Colorado
- Firestone Industrial Products Co., Noblesville, Indiana
- Prestolite Battery Division, Vincennes, Indiana
- John Deere (Dubuque Works), Dubuque, Iowa
- Hooker (Montague Plant), Montague, Michigan
- Kysor Industrial Corp., Cadillac, Michigan
- Monroe Auto Equipment Co., Cozad, Nebraska
- Matlack, Inc., Woolwich Township, New Jersey

Of the nine RCRA-related sites listed above, eight are nonregulated units. One site, Interstate Lead Company in Leeds, Alabama, is a regulated unit which is currently under Chapter 11 bankruptcy and therefore may lack sufficient resources for cleanup. The listing of this site is consistent with our existing RCRA listing policy as outlined in the

preamble to the Federal Register notice announcing the promulgation of NPL Update #1 (49 FR 37070, September 21, 1984).

Federal Facility Releases

CERCLA section 111(e)(3) prohibits use of the Trust Fund for remedial actions at Federally-owned facilities and § 300.66(e)(2) of the NCP prevents including Federal facilities on the NPL. The Agency has approached this issue in a number of different ways. Prior to proposed NPL Update #2 (49 FR 40320, October 15, 1984), EPA did not list any sites on the NPL where the release resulted solely from a Federal facility, regardless of whether contamination remained on-site or migrated off-site. However, based on public comments received from previous NPL announcements, EPA proposed 36 Federal facilities for NPL Update #2. As discussed in the preamble to Update #2, EPA will promulgate the 36 Federal

facilities only if the NCP is revised to permit the listing of Federal facilities on the NPL.

On February 12, 1985, EPA proposed amendments to § 300.66(e)(2) of the NCP and requested public comments on whether to list Federal facilities on the NPL. In Update #3 (50 FR 14115, April 10, 1985), the Agency identified six new sites in the preamble to the Federal Register notice that met the criteria for proposal. EPA requested comments on the scoring of these sites pending resolution of the NCP amendments.

Because the amendments to § 300.66(e)(2) of the NCP have not yet been promulgated, EPA is continuing the procedure of naming those Federal facilities that meet the criteria for proposal in the preamble to the Federal Register notice.

For Update #4, the Agency has applied the HRS to Federal facilities and has determined that the following Federal facilities would qualify for proposed listing:

NPL group	State	Site name	City or county	Response category ¹	Cleanup status ²
04	NJ	Naval Air Engineering Center	Lakehurst	R	
04	WA	Naval Air Station (Ault Field)	Whidbey Island	R	
07	WA	Naval Air Station (Seaplane Base)	Whidbey Island	R	

¹R=Federal or State response; F=Federal enforcement; S=State enforcement; V=Voluntary or negotiated response; D=Actions to be determined.

²=Implementation activity underway, one or more operable units; O=one or more operable units completed, others may be underway; C=Implementation activity completed for all operable units.

The Agency is requesting comments on the scoring of these sites and may promulgate them without another comment period if the Agency determines that listing Federal facilities is appropriate.

Mining Waste Sites

It is the Agency's position, as discussed in the preambles to previous rulemakings (47 FR 58476, December 30, 1982; 48 FR 40658, September 8, 1983), that mining wastes may be hazardous substances, pollutants or contaminants under CERCLA. This position was affirmed recently by the United States Court of Appeals for the District of Columbia Circuit (*Eagle-Picher Industries, Inc. v. EPA*, 759 F.2d 922 D.C. Cir. 1985).

In the past, EPA has included mining waste sites on the NPL. However, in proposed Update #3 (50 FR 14115, April 10, 1985), EPA deferred the listing of one mining waste site—Silver Creek Tailings in Park City, Utah—until the Agency could determine whether the Department of Interior (DOI) would take appropriate action under the Surface Mining Control and Reclamation Act of 1977 (SMCRA) to protect public health

and the environment at this site. The Agency has had preliminary discussion with DOI and the State of Utah on their programs for addressing mining sites, and plans to continue these and other discussions until a more comprehensive Federal policy can be developed. While this policy is under development, we are moving forward with proposing the Silver Creek Tailings site on the NPL. In addition, the Agency is currently developing an appropriate NPL listing policy for any sites which may be adequately addressed under the response authorities of SMCRA.

Pratt & Whitney Aircraft, United Technologies Corp., West Palm Beach, Florida

The Pratt & Whitney Aircraft Site was proposed on October 15, 1984 (49 FR 40320) as an NPL Update #2 site. In response to comments on the proposal, the Agency completely re-evaluated the site and has made a significant change in the HRS scoring for the Pratt & Whitney Aircraft site. Consequently, the Agency has determined that it would be most appropriate to repropose the site in NPL Update #4 and solicit comment on the revised HRS score. Comments on the

reproposal will be accepted for the same period as for other sites in this proposal.

V. Contents of the Proposed Fourth NPL Update

All sites in today's proposed revision to the NPL received HRS scores of 28.50 or above.

Following this preamble is a list of the 38 proposed Update #4 sites. Each entry on the list contains the name of the facility, the State and city or county in which it is located, and the corresponding EPA Region. Each proposed site is placed by score in a group corresponding to the groups of 50 sites presented within the final NPL. For example, sites in group 3 of the proposed update have scores that fall within the range of scores covered by the third group of 50 sites on the final NPL. Each entry is accompanied by one or more notations referencing the status of response and cleanup activities at the site at the time this list was prepared. This site status and cleanup information is described briefly below.

EPA categorizes the NPL sites based on the type of response at each site (Fund-financed, Federal enforcement, State enforcement, and/or voluntary action). In addition, codes indicating the general status of site cleanup activities are provided. EPA is including the cleanup status codes to identify sites where significant response activities are underway or completed. The cleanup status codes on this NPL update are included in response to public requests for information regarding actual site cleanup activities and to acknowledge situations where EPA, States, or responsible parties have undertaken response actions. The response categories/status codes for these proposed sites and all final NPL sites will be updated each time EPA promulgates additional sites to the NPL.

Response Categories

The following response categories are used to designate the type of response underway. One or more categories may apply to each site.

Federal and/or State Response (R). This category includes sites at which EPA or State agencies have started or completed response actions. These include removal actions, nonenforcement remedial planning, initial remedial measures, and/or remedial actions under CERCLA [NCP, § 300.66(f)-(i) 47 FR 31217, July 16, 1982]. For purposes of assigning a category, the response action commences when EPA obligates funds.

Federal Enforcement (F). This category includes sites where the United

States has filed a civil complaint (including cost recovery actions) or issued an administrative order under CERCLA or RCRA. It also includes sites where a Federal court has mandated some form of response action following a judicial proceeding. All sites at which EPA has obligated funds for enforcement-lead remedial investigations and feasibility studies are also included in this category.

A number of sites on the NPL are the subject of legal investigations or have been formally referred to the Department of Justice for possible enforcement action. EPA's policy is not to release information concerning a possible enforcement action until a lawsuit has been filed. Accordingly, sites subject to pending Federal action are not included in this category, but are included under "Category To Be Determined."

State Enforcement (S). This category includes sites where a State has filed a civil complaint or issued an administrative order under CERCLA or RCRA. It also includes sites at which a State court has mandated some form of response action following a judicial proceeding. Sites where a State has obligated funds for enforcement-lead remedial investigations and feasibility studies are also included in this category.

It is assumed that State policy precludes the release of information concerning possible enforcement actions until such action has been formally taken. Accordingly, sites subject to possible State legal action are not included in this category, but are included under "Category To Be Determined."

Voluntary or Negotiated Response (V). This category includes sites where private parties have started or completed response actions pursuant to settlement agreements, consent decrees, or consent orders to which EPA or the State is a party. Usually, the response actions result from a Federal or State enforcement action. This category includes privately-financed remedial planning, removal actions, initial remedial measures, and/or remedial actions.

Category To Be Determined (D). This category includes all sites not listed in any other category. A wide range of activities may be in progress at sites in this category. EPA or a State may be evaluating the type of response action to undertake, or a response action may be determined but funds not yet obligated. Sites where a Federal or State enforcement case may be under authorities other than CERCLA or RCRA are also included in this category.

Additionally included in this category are sites where responsible parties may be undertaking cleanup actions that are not covered by a consent decree, consent order, or administrative order.

Cleanup Status Codes

EPA has decided to indicate the status of Fund-financed or private party cleanup activities underway or completed at proposed and final NPL sites. Fund-financed response activities which are coded include: significant removal actions, initial remedial measures, source control remedial actions, and off-site remedial actions. The status of cleanup activities conducted by responsible parties under a consent decree, court order, or an administrative order also is coded, as are similar cleanup activities taken independently of EPA and/or the State. Remedial planning activities or engineering studies do not receive a cleanup status code.

Many sites listed on the NPL are cleaned up in stages or "operable units." For purposes of cleanup status coding, an operable unit is a discrete action taken as part of the entire site cleanup that significantly decreases or eliminates a release, threat of release, or pathway of exposure. One or more operable units may be necessary to complete the cleanup of a hazardous waste site. Operable units may include significant removal actions taken to stabilize deteriorating site conditions or provide alternative water supplies, initial remedial measures, and remedial actions. A simple removal action (constructing fences or berms or lowering free-board) that does not eliminate a significant release, threat of release, or pathway of exposure is not considered an operable unit for purposes of cleanup status coding.

The following cleanup status codes (and definitions) are used to designate the status of cleanup activities at proposed and final sites on the NPL. Only one code is used to denote the status of actual cleanup activity at each site since the codes are mutually exclusive.

Implementation Activities Are Underway for One or More Operable Units (I). Field work is in progress at the site for implementation of one or more removal or remedial operable units, but no operable units are completed.

Implementation Activities Are Completed for One or More (But Not All) Operable Units. Implementation Activities May Be Underway for Additional Operable Units (O). Field work has been completed for one or more operable units, but additional site cleanup actions are necessary.

Implementation Activities Are Completed for All Operable Units (C). All actions agreed upon for remedial action at the site have been completed, and performance monitoring has commenced. Further site activities could occur if EPA considers such activities necessary.

VI. Regulatory Impact Analysis

The costs of cleanup actions that may be taken at sites are not directly attributable to listing on the NPL, as explained below. Therefore, the Agency has determined that this rulemaking is not a "major" regulation under Executive Order 12291. The EPA has conducted a preliminary analysis of the economic implications of today's proposal to add new sites. The EPA believes that the kinds of economic effects associated with this revision are generally similar to those effects identified in the regulatory impact analysis (RIA) prepared in 1982 for the revisions to the NCP pursuant to section 105 of CERCLA (47 FR 31180, July 16, 1982) and the economic analysis prepared for the recently proposed amendments to the NCP (50 FR 5882, February 12, 1985). The Agency believes the anticipated economic effects related to proposing the addition of 38 sites to the NPL can be characterized in terms of the conclusions of the earlier RIA and the most recent economic analysis.

Costs

The EPA has determined that this proposed rulemaking is not a "major" regulation under Executive Order 12291 because inclusion of a site on the NPL does not itself impose any costs. It does not establish that EPA will necessarily undertake remedial action, nor does it require any action by a private party or determine its liability for site response costs. Costs that arise out of site responses result from site-by-site decisions about what actions to take, not directly from the act of listing itself. Nonetheless, it is useful to consider the costs associated with responding to all sites included in a proposed rulemaking. This action was submitted to the Office of Management and Budget (OMB) for review.

The major events that follow the proposed listing of a site on the NPL are a responsible party search and a remedial investigation/feasibility study (RI/FS) which determines whether remedial actions will be undertaken at a site. Design and construction of the selected remedial alternative follow completion of the RI/FS, and operation and maintenance (O&M) activities may

continue after construction has been completed.

Cost associated with responsible party searches are initially borne by EPA. Responsible parties may bear some or all the costs of the RI/FS, design and construction, and O&M, or the costs may be shared by EPA and the States on a 90%/10% basis (50%/50% in the case of State-owned sites). Additionally, States assume all costs for O&M activities after the first year at sites involving Fund-financed remedial actions.

Rough estimates of the average per-site and total costs associated with each of the above activities are presented below. At this time EPA is unable to predict what portions of the total costs will be borne by responsible parties, since the distribution of costs depends on the extent of voluntary and negotiated response and the success of cost recovery actions where such actions are brought.

Cost category	Average total cost per site ¹
RI/FS	\$800,000
Remedial design	440,000
Remedial action	7,200,000
Initial remedial measures (IRM) at 10% of sites	80,000
Net present value of O&M ²	3,770,000

¹ 1985 U.S. dollars.

² Assumes cost of O&M over 30 years, \$400,000 for the first year and 10% discount rate.

Source: "Extent of the Hazardous Release Problem and Future Funding Needs-CERCLA Section 301(a)(1)(c) Study", December 1984, Office of Solid Waste and Emergency Response, U.S. EPA.

Costs to States associated with today's proposed amendment arise from the required State cost-share of: (1) 10 percent of remedial implementation (remedial action and IRM) and first year O&M costs at privately-owned sites; and (2) 50 percent of the remedial planning (RI/FS and remedial design), remedial implementation and first year O&M costs at State or locally-owned sites. States will assume all the cost for O&M after the first year. Using the assumptions developed in the 1982 RIA for the NCP, EPA has assumed that 90 percent of the 38 non-Federal sites proposed to be added to the NPL in this amendment will be privately-owned and 10 percent will be State or locally-owned. Therefore, using the budget projections presented above, the cost to States of undertaking Federal remedial actions at all 38 sites would be \$172 million, of which \$130 million is attributable to the State O&M cost.

The act of listing a hazardous waste site on the final NPL does not itself cause firms responsible for the site to bear costs. Nonetheless, a listing may

induce firms to clean up the sites voluntarily, or it may act as a potential trigger for subsequent enforcement or cost recovery actions. Such actions may impose costs on firms, but the decisions to take such actions are discretionary and made on a case-by-case basis. Consequently, precise estimates of these effects cannot be made. EPA does not believe that every site will be cleaned up by a responsible party. EPA cannot project at this time which firms or industry sectors will bear specific portions of response costs, but the Agency considers such factors as: the volume and nature of the wastes at the site; the parties' ability to pay; and other factors when deciding whether and how to proceed against potentially responsible parties.

Economy-wide effects of this proposed amendment are aggregations of effects on firms and State and local governments. Although effects could be felt by some individual firms and States, the total impact of this revision on output, prices, and employment is expected to be negligible at the national level, as was the case in the 1982 RIA.

Benefits

The benefits associated with today's proposed amendment to list additional sites are increased health and environmental protection as a result of increased public awareness of potential hazards. In addition to the potential for more Federally-financed remedial actions, this proposed expansion of the NPL could accelerate privately-financed, voluntary cleanup efforts to avoid potential adverse publicity, private lawsuits, and/or Federal or State enforcement actions.

As a result of the additional NPL remedies, there will be lower human exposure to high risk chemicals, and higher quality surface water, ground water, soil, and air. The magnitude of these benefits is expected to be significant, although difficult to estimate in advance of completing the RI/FS at these particular sites.

Associated with the costs of remedial actions are significant potential benefits and cost offsets. The distributional costs to firms of financing NPL remedies have corresponding "benefits" in that funds expended for a response generate employment, directly or indirectly (through purchased materials).

VII. Regulatory Flexibility Act Analysis

The Regulatory Flexibility Act of 1980 requires EPA to review the impacts of this action on small entities, or certify that the action will not have a

significant impact on a substantial number of small entities. By small entities the Act refers to small businesses, small governmental jurisdictions, and nonprofit organizations.

While proposed modifications to the NPL are considered revisions to the NCP, they are not typical regulatory changes since the revisions do not automatically impose costs. The proposed listing of sites on the NPL does not in itself require any action of any private party, nor does it determine the liability of any party for the cost of cleanup at the site. Further, no identifiable groups are effected as a whole. As a consequence, it is hard to predict impacts on any group. A site's proposed inclusion on the NPL could increase the likelihood that adverse impacts to responsible parties (in the form of cleanup costs) will occur, but EPA cannot identify the potentially affected businesses at this time nor estimate the number of small businesses that might be affected.

The Agency does expect that certain industries and firms within industries that have caused a proportionately high percentage of waste site problems could be significantly affected by CERCLA actions. However, EPA does not expect the impacts from the proposed listing of these 38 sites to have a significant economic impact on a substantial number of small businesses.

In any case, economic impacts would only occur through enforcement and cost recovery actions which are taken at EPA's discretion on a site-by-site basis. EPA considers many factors when determining what enforcement actions to take, including not only the firm's contribution to the problem, but also the firm's ability to pay. The impacts (from cost recovery) on small governments and nonprofit organizations would be determined on a similar case-by-case basis.

List of Subjects in 40 CFR Part 300

Air pollution control, Chemicals, Hazardous materials, Intergovernmental relations, Natural resources, Oil pollution, Reporting and recordkeeping requirements, Superfund, Waste treatment and disposal, Water pollution control, Water supply.

For the reasons set forth in the preamble, Part 300, Subpart J, Chapter I of Title 40, of the Code of Federal Regulations is proposed to be amended as set forth below.

Dated: September 5, 1985.

J. Winston Porter,

Assistant Administrator, Office of Solid
Waste and Emergency Response.

PART 300—[AMENDED]

It is proposed to amend Appendix B of
40 CFR Part 300 by adding 38 sites to the

National Priorities List. In addition, it is
proposed to amend the format of
Appendix B of 40 CFR Part 300 by
adding the columns "NPL Rank" and
"Cleanup Status". The sites would
appear in the list of proposed non-
Federal sites as follows:

NATIONAL PRIORITIES LIST PROPOSED UPDATE 4 SITES

NPL rank	EPA RG	State	Site name	City/county	Response category #	Cleanup status ^(a)
Group 2						
	07	NE	Monroe Auto Equipment Co.	Cozad	D	
Group 3						
	05	OH	Ormet Corp.	Hannibal	D	
	07	IA	Lawrence Todtz Farm	Camanche	D	
	05	IL	H.O.D. Landfill	Antioch	S	
Group 5						
	06	CO	Martin, Marietta, Denver, Aero- space	Waterton	F S	
	05	MN	Freeway Sanitary Landfill	Burnsville	D	
	05	IN	Columbus Old Municipal Landfill #1	Columbus	D	
	07	IA	A.Y. McDonald Ind., Inc.	Dubuque	F	
	03	PA	Route 940 Drum Dump	Pocono Summit	D	I
	03	PA	C&D Recycling	Foster Township	D	I
Group 6						
	04	AL	Interstate Lead Co. (ILCO)	Leeds	D	
Group 7						
	08	UT	Silver Creek Tailings	Park City	D	
	05	WI	Hagen Farm	Stoughton	S	
Group 8						
	05	IN	Prestolite Battery Division	Vincennes	D	
Group 9						
	03	DE	Standard Chlorine of Delaware, Inc.	Delaware City	D	
	07	IA	John Deere (Dubuque Works)	Dubuque	D	
	06	AR	Arkwood, Inc.	Omaha	D	O
	05	MI	Hooker (Montague Plant)	Montague	V S	I
	02	NJ	Mallack, Inc.	Woolwich Township	D	
	05	WI	Lemberger Fly Ash Landfill	Whitelaw	S	
	05	MI	Kysor Industrial Corp.	Cadillac	D	
	05	MN	St. Augusta SLF/St. Cloud Dump	St. Augusta Township	S	
	05	WI	Sheboygan Harbor & River	Sheboygan	D	
Group 10						
	03	PA	Bendix Flight Systems Division	Bridgewater Township	D	O
	05	MI	Kent City Mobile Home Park	Kent City	D	
	10	WA	Wyckoff Co.—Eagle Harbor	Bainbridge Island	D	
	04	FL	Pratt & Whitney Air/United Tech.	West Palm Beach	V S	O
	07	IA	Midwest Manufacturing/North Farm	Kellogg	D	
	05	MN	Waite Park Wells	Waite Park	R	
	02	PA	Croydon TCE	Croydon	D	
	03	PA	Ravens Chemical Co.	Nockamixon Township	R	O
	03	DE	Halby Chemical Co.	New Castle	D	
Group 11						
	05	IN	Firestone Industrial Products Co.	Noblesville	D	
	04	FL	Yellow Water Road Dump	Baldwin	R	O
	07	IA	Shaw Avenue Dump	Charles City	D	
	02	NY	Warwick Landfill	Warwick	D	
	05	IN	Tri-State Plating	Columbus	D	
	05	MN	East Bethel Demolition Landfill	East Bethel Township	D	

V=Voluntary or negotiated response; R=Federal and State response; F=Federal Enforcement; S=State enforcement;
D=Actions to be determined.

(a) I=implementation activity underway, one or more operable units; O=one or more operable units completed, others may
be underway; C=implementation activity completed for all operable units.

[FR Doc. 85-22222, Filed 9-17-85; 8:45 am]

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Federal Register

Wednesday
September 18, 1985

Part III

Department of the Interior

Fish and Wildlife Service

50 CFR Part 17

Endangered and Threatened Wildlife and
Plants; Review of Vertebrate Wildlife;
Notice of Review

DEPARTMENT OF THE INTERIOR

Fish and Wildlife Service

50 CFR Part 17

Endangered and Threatened Wildlife and Plants; Review of Vertebrate Wildlife

AGENCY: Fish and Wildlife Service, Interior.

ACTION: Notice of review.

SUMMARY: The Service issues a revised notice identifying vertebrate animal taxa, native to the U.S., being considered for possible addition to the List of Endangered and Threatened Wildlife. The Service emphasizes that this notice is not a proposal for such addition, and that the involved taxa do not receive substantive or procedural protection pursuant to the Endangered Species Act of 1973, as amended. The Service does, however, encourage Federal agencies and other appropriate parties to take these taxa into account in environmental planning. Also identified in this notice are vertebrate taxa that were previously under consideration for listing, but that are currently presumed either to be extinct, to not be valid species or subspecies, or to be more abundant and widespread than previously thought and/or not subject to substantial threats.

DATE: Comments may be submitted until further notice.

ADDRESSES: Interested persons or organizations are requested to submit comments to: Director (OES), 500 Broyhill Building, U.S. Fish and Wildlife Service, Washington, DC 20240. Comments and materials relating to this notice are available for public inspection, by appointment, during normal business hours at the Service's Office of Endangered Species, Suite 500, 1000 North Glebe Road, Arlington, Virginia.

Information relating to particular taxa may be obtained from appropriate Service Regional Offices, as listed below:

Region 1. California, Hawaii, Idaho, Nevada, Oregon, Washington, American Samoa, Commonwealth of the Northern Mariana Islands, Guam, and Trust Territory of the Pacific Islands.

Regional Director (ARD/FA), U.S. Fish and Wildlife Service, Suite 1692, Lloyd 500 Building, 500 N.E. Multnomah Street, Portland, Oregon 97232 (503/231-6131 or FTS 429-6131).

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

Regional Director (ARD/AFF), U.S. Fish and Wildlife Service, P.O. Box 1306,

Albuquerque, New Mexico 87103 (505/766-3972 or FTS 474-3972).

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

Regional Director (ARD/AFF), U.S. Fish and Wildlife Service, Federal Building, Fort Snelling, Twin Cities, Minnesota 55111 (612/725-3596 or FTS 725-3596).

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

Regional Director (ARD/FA), U.S. Fish and Wildlife Service, The Richard B. Russell Federal Building, 75 Spring Street, S.W., Atlanta, Georgia 30303 (404/221-3583 or FTS 242-3583).

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 (ARD/FA), U.S. Fish and Wildlife Service, Suite 700, One Gateway Center, Newton Corner, Massachusetts 02158 (617/965-5100 ext. 316 or FTS 829-9316, 7, 8).

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

Regional Director (ARD/FA), U.S. Fish and Wildlife Service, P.O. Box 25486, Denver Federal Center, Denver, Colorado 80225 (303/234-2496 or FTS 234-2496).

Region 7. Alaska.

Regional Director (ARD/AFF), U.S. Fish and Wildlife Service, 1101 East Tudor Road, Anchorage, Alaska 99503 (907/263-3539 or FTS 263-3539).

FOR FURTHER INFORMATION CONTACT: Mr. John L. Spinks, Jr., Chief, Office of Endangered Species, 500 Broyhill Building, U.S. Fish and Wildlife Service, Washington, DC 20240 (703/235-2771 or FTS 235-2771), or the appropriate Regional Office.

SUPPLEMENTARY INFORMATION: The Endangered Species Act of 1973, as amended (16 U.S.C. 1531 *et seq.*) requires determination of whether species of wildlife and plants are endangered or threatened based on the best available scientific and commercial data. For many years, the U.S. Fish and Wildlife Service has been gathering data on taxa of vertebrates (fishes, amphibians, reptiles, birds, and mammals), native to the United States, that have appeared, at least at times, to warrant consideration for addition to the List of Endangered and Threatened Wildlife. The accompanying table identifies many of these taxa (including,

by definition, biological subspecies) and assigns each to one of the three categories described below. Unless the subject of a published proposed or final rule determining endangered or threatened status, none of these taxa receive substantive or procedural protection pursuant to the Act.

Category 1 comprises taxa for which the Service currently has substantial information on hand to support the biological appropriateness of proposing to list as endangered or threatened. Proposals have not yet been issued because they have been precluded at present by other listing activity. Development and publication of proposed rules on these taxa are anticipated, however, and the Service encourages Federal agencies and other appropriate parties to give consideration to such taxa in environmental planning.

Category 2 comprises taxa for which information now in possession of the Service indicates that proposing to list as endangered or threatened is possibly appropriate, but for which conclusive data on biological vulnerability and threat are not currently available to support proposed rules. The Service emphasizes that these taxa are not being proposed for listing by this notice, and that there are no specific plans for such proposals, unless additional information becomes available. Further biological research and field study may be needed to ascertain the status of taxa in this category, and it is likely that many will be found to not warrant listing. The Service hopes that this notice will encourage investigation of the status and vulnerability of these taxa, and consideration of them in the course of environmental planning.

Category 3 comprises taxa that were once being considered for listing as endangered or threatened, but are not currently receiving such consideration. These taxa are included in one of the following three subcategories.

Subcategory 3A comprises taxa for which the Service has persuasive evidence of extinction. If rediscovered, however, such taxa might warrant high priority for addition to the List of Endangered and Threatened Wildlife.

Subcategory 3B comprises taxa that were once thought to be biological species or subspecies, but that, on the basis of recent systematic work, usually as represented in published revisions and monographs, are not now considered distinctive and do not meet the Act's legal definition of species. Future systematic investigation could lead to reevaluation of the listing qualifications of such taxa.

Subcategory 3C comprises taxa that are now considered to be more abundant or widespread, and/or substantially less subject to identifiable threats, than previously thought. Should new information suggest that any such taxon is experiencing a numerical or distributional decline, or is under a substantial threat, it may be considered for transfer to category 1 or 2.

Many of the taxa in the accompanying table were also covered by the Service's previous Review of Vertebrate Wildlife, published in the *Federal Register* of December 30, 1982 (47 FR 58454-58460), as corrected on May 17, 1983 (48 FR 22173-22174). Certain of the taxa covered by the previous notice, however, have already had emergency, proposed, and/or final determinations of endangered or threatened status, and therefore these taxa are not included in this notice of review (for the complete U.S. Lists of Endangered and Threatened Wildlife and Plants, contact any of the offices in the above "ADDRESSES" section).

The Service hereby solicits data concerning the taxa in the accompanying table. Especially sought is information:

(1) Indicating that a taxon would more properly be assigned to a category other than the one in which it appears;

(2) Nominating a taxon not included in the table;

(3) Recommending an area as critical habitat for a taxon, or indicating why critical habitat may not be prudent or determinable for a taxon;

(4) Documenting threats to any listed taxon;

(5) Pointing out taxonomic changes for any taxon;

(6) Suggesting new or more appropriate names; or

(7) Noting errors, such as in the indicated distributions.

The Service intends to consider all data received in response to this notice, to make appropriate amendments to the accompanying table, and to indicate intentions with regard to future listing actions. Substantive changes in status may be announced by periodic notices in the *Federal Register*.

The accompanying table is arranged in a general systematic order, beginning with fishes and ending with mammals. For each taxon, the assigned category appears on the left, followed by the common name, the scientific name, the family name, and the known range. Range is indicated by abbreviations of State names (also AS=American Samoa, CM=Commonwealth of the Northern Mariana Islands, GU=Guam, PR=Puerto Rico, TT=Trust Territory of the Pacific Islands, and VI=Virgin Islands), and by the full names of foreign regions and Navassa Island, a U.S. possession in the Caribbean. The species may no longer occur in some of

the areas shown. Some taxa have been included that have not yet been formally described in the scientific literature. Such taxa are indicated by the abbreviation "sp." after the generic name, or "ssp." after the generic and specific names. 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 is a regular visitor.

The primary authors of this notice are C. Kenneth Dodd, Jr. (herpetologist), George E. Drewry (programmer), Ronald M. Nowak (mammalogist), Jay M. Sheppard (ornithologist), and James D. Williams (ichthyologist), Office of Endangered Species, U.S. Fish and Wildlife Service, Washington, DC 20240 (703/235-1975 or FTS 235-1975).

Authority: Endangered Species Act (16 U.S.C. 1531 *et seq.*; Pub. L. 93-205, 87 Stat. 884; Pub. L. 94-359, 90 Stat. 911; Pub. L. 95-632, 92 Stat. 3751; Pub. L. 96-159, 93 Stat. 1225; Pub. L. 97-304, 96 Stat. 1411).

List of Subjects in 50 CFR Part 17

Endangered and threatened wildlife, Fish, Marine mammals, Plants (agriculture).

Dated: September 6, 1985.

P. Daniel Smith,

Acting Deputy Assistant Secretary for Fish and Wildlife and Parks.

BILLING CODE 4310-55-M

CATEGORY AND COMMON NAME	SCIENTIFIC NAME	FAMILY	RANGE
FISHES			
2 Lake sturgeon	<i>Acipenser fulvescens</i>	Acipenseridae	AL, AR, GA, IA, IL, IN, KS, KY, LA, MI, MN, MO, MS, NE, NY, OH, PA, SD, TN, VT, WI, WV, Canada.
2 Gulf sturgeon	<i>Acipenser oxyrinchus desotoi</i>	Acipenseridae	AL, FL, GA, LA, MS.
2 Pallid sturgeon	<i>Scaphirhynchus albus</i>	Acipenseridae	AR, IA, IL, KS, KY, LA, MO, MS, MT, ND, NE, SD, TN.
2 Alabama shovelnose sturgeon	<i>Scaphirhynchus platyrhynchus</i> ssp.	Acipenseridae	AL, MS.
3C Paddlefish	<i>Polyodon spathula</i>	Polyodontidae	AL, AR, IA, IL, IN, KS, KY, LA, MN, MO, MS, MT, ND, NE, OH, OK, PA, SD, TN, TX, WI.
3A Deepwater cisco	<i>Coregonus johannae</i>	Salmonidae	IL, IN, MI, MN, WI, Canada.
2 Kiwi	<i>Coregonus kiwi</i>	Salmonidae	IL, IN, MI, MN, NY, WI, Canada.
3A Blackfin cisco	<i>Coregonus nigripinnis nigripinnis</i>	Salmonidae	IL, IN, MI, WI, Canada.
1 Shortnose cisco	<i>Coregonus reighardi</i>	Salmonidae	IL, IN, MI, NY, WI, Canada.
2 Shortjaw cisco	<i>Coregonus zenithicus</i>	Salmonidae	IL, IN, MI, MN, WI, Canada.
2 Colorado cutthroat trout	<i>Salmo clarki pleuriticus</i>	Salmonidae	CO, UT, WY.
1 Bonneville cutthroat trout	<i>Salmo clarki utah</i>	Salmonidae	UT, WY, NV.
3C Rio Grande cutthroat trout	<i>Salmo clarki virginialis</i>	Salmonidae	CO, NM.
3A Alvord cutthroat trout	<i>Salmo clarki</i> ssp.	Salmonidae	NV, OR.
2 Willow/Whitehorse cutthroat trout	<i>Salmo clarki</i> ssp.	Salmonidae	OR.
2 Kern River rainbow trout	<i>Salmo gairdneri gilberti</i>	Salmonidae	CA.
2 Redband trout	<i>Salmo</i> sp.	Salmonidae	CA, OR, ID, NV.
2 Bull trout	<i>Salvelinus confluentus</i>	Salmonidae	CA, ID, MT, NV, OR, WA.
2 Montana Arctic grayling	<i>Thymallus arcticus montanus</i>	Salmonidae	MT.
2 Olympic mudminnow	<i>Notropis hubbsi</i>	Umbidae	WA.
2 Mexican stonefisher	<i>Campostoma ornatum</i>	Cyprinidae	AZ, TX, Mexico.
2 Devil's River minnow	<i>Bionda diaboli</i>	Cyprinidae	TX.
2 Sheldon tui chub	<i>Gila bicolor euryzona</i>	Cyprinidae	NV, OR.
3A Independence Valley tui chub	<i>Gila bicolor isolata</i>	Cyprinidae	NV.
2 Newark Valley tui chub	<i>Gila bicolor newarkensis</i>	Cyprinidae	NV.
2 Lahontan tui chub	<i>Gila bicolor obesa</i>	Cyprinidae	NV.
2 Oregon Lakes tui chub	<i>Gila bicolor oregonensis</i>	Cyprinidae	OR.
2 Cowhead Lake tui chub	<i>Gila bicolor vaccaiceps</i>	Cyprinidae	CA.
2 Big Smoky Valley tui chub	<i>Gila bicolor</i> ssp.	Cyprinidae	NV.
2 Catlow tui chub	<i>Gila bicolor</i> ssp.	Cyprinidae	OR.
2 Dixie Valley tui chub	<i>Gila bicolor</i> ssp.	Cyprinidae	NV.
2 Fish Creek Springs tui chub	<i>Gila bicolor</i> ssp.	Cyprinidae	NV.
2 Fish Lake Valley tui chub	<i>Gila bicolor</i> ssp.	Cyprinidae	NV.
2 Hot Creek Valley tui chub	<i>Gila bicolor</i> ssp.	Cyprinidae	NV.
2 Railroad Valley tui chub	<i>Gila bicolor</i> ssp.	Cyprinidae	NV.
2 Suisun Basin tui chub	<i>Gila bicolor</i> ssp.	Cyprinidae	OR.
2 Leatherside chub	<i>Gila copei</i>	Cyprinidae	ID, UT, WY.
3A Thicktail chub	<i>Gila crassicauda</i>	Cyprinidae	CA.
2 Gila chub	<i>Gila intermedia</i>	Cyprinidae	AZ, NM.
2 Gila roundtail chub	<i>Gila robusta grahami</i>	Cyprinidae	AZ, NM.
1 Virgin River chub	<i>Gila robusta seminuda</i>	Cyprinidae	AZ, NV, UT.
2 Moapa roundtail chub	<i>Gila robusta</i> ssp.	Cyprinidae	NV.
2 Oregon chub	<i>Hybopsis craxeri</i>	Cyprinidae	OR.
2 Sturgeon chub	<i>Hybopsis gelida</i>	Cyprinidae	AR, IA, IL, KY, KS, LA, MO, MS, MT, NB, ND, SD, WY, TN.
2 Sicklefin chub	<i>Hybopsis weiki</i>	Cyprinidae	AR, IA, IL, KS, KY, LA, MO, MS, NB, ND, SD, TN.
2 Least chub	<i>Notropis phlegathensis</i>	Cyprinidae	UT.
2 Virgin spinedace	<i>Lepidosteus mollispinis mollispinis</i>	Cyprinidae	AZ, NV, UT.
2 Smallmouth shiner	<i>Notropis buccula</i>	Cyprinidae	TX.
2 Blue shiner	<i>Notropis caeruleus</i>	Cyprinidae	AL, GA, TN.
2 Bluestripe shiner	<i>Notropis callitana</i>	Cyprinidae	AL, FL, GA.
2 Chihuahua shiner	<i>Notropis chihuahua</i>	Cyprinidae	TX.
2 Arkansas River shiner	<i>Notropis girardi</i>	Cyprinidae	AR, KS, NM, OK, TX.
3C Rio Grande shiner	<i>Notropis jesseni</i>	Cyprinidae	NM.
1 Cape Fear shiner	<i>Notropis aetostichus</i>	Cyprinidae	NC.
3A Phantom shiner	<i>Notropis orca</i>	Cyprinidae	TX, Mexico.
2 Sharpnose shiner	<i>Notropis oxyrinchus</i>	Cyprinidae	TX.
3C Peppered shiner	<i>Notropis perpalidus</i>	Cyprinidae	AR, OK.
2 Proserpine shiner	<i>Notropis proserpinus</i>	Cyprinidae	TX.
2 Rio Grande bluntnose shiner	<i>Notropis sius sius</i>	Cyprinidae	NM.
2 Blackmouth shiner	<i>Notropis</i> sp.	Cyprinidae	FL.
1 Cahaba shiner	<i>Notropis</i> sp.	Cyprinidae	AL.
2 Palezone shiner	<i>Notropis</i> sp.	Cyprinidae	AL, KY, TN.
2 Kanawha minnow	<i>Phenacobius teretulus</i>	Cyprinidae	NC, VA, WV.
1 Blackside dace	<i>Phoxinus cumberlandensis</i>	Cyprinidae	KY, TN.
2 Relict dace	<i>Relictus solitarius</i>	Cyprinidae	NV.
2 Cheat minnow	<i>Rhinichthys bowersi</i>	Cyprinidae	NV.
1 Independence Valley speckled dace	<i>Rhinichthys osculus lethoporus</i>	Cyprinidae	NV.
2 Moapa speckled dace	<i>Rhinichthys osculus moapae</i>	Cyprinidae	NV.
1 Clover Valley speckled dace	<i>Rhinichthys osculus oligaporus</i>	Cyprinidae	NV.
2 Pahranagat speckled dace	<i>Rhinichthys osculus velifer</i>	Cyprinidae	NV.
2 Anargosa Canyon speckled dace	<i>Rhinichthys osculus</i> ssp.	Cyprinidae	CA.
2 Diamond Valley speckled dace	<i>Rhinichthys osculus</i> ssp.	Cyprinidae	NV.
2 Meadow Valley Wash speckled dace	<i>Rhinichthys osculus</i> ssp.	Cyprinidae	NV.
2 Monitor Valley speckled dace	<i>Rhinichthys osculus</i> ssp.	Cyprinidae	NV.
2 Oasis Valley speckled dace	<i>Rhinichthys osculus</i> ssp.	Cyprinidae	NV.
2 White River speckled dace	<i>Rhinichthys osculus</i> ssp.	Cyprinidae	NV.
2 Sandhill chub	<i>Seotilus lunbeae</i>	Cyprinidae	NC, SC.

CATEGORY AND COMMON NAME	SCIENTIFIC NAME	FAMILY	RANGE
2 White River desert sucker	<i>Catostomus clarki intermedius</i>	Catostomidae	NV.
2 Meadow Valley Wash desert sucker	<i>Catostomus clarki</i> ssp.	Catostomidae	NV.
2 Zuni Mountain sucker	<i>Catostomus discobolus yarrowsi</i>	Catostomidae	AZ, NM.
38 Webug sucker	<i>Catostomus fecundus</i>	Catostomidae	UT.
2 Goose Lake sucker	<i>Catostomus occidentalis lacustris</i>	Catostomidae	CA, OR.
2 Jenny Creek sucker	<i>Catostomus riviculus</i> ssp.	Catostomidae	CA, OR.
2 Klamath largescale sucker	<i>Catostomus snyderi</i>	Catostomidae	CA, OR.
2 Wall Canyon sucker	<i>Catostomus</i> sp.	Catostomidae	NV.
2 Lost River sucker	<i>Deltistes luxatus</i>	Catostomidae	CA, OR.
2 Shortnose sucker	<i>Chasmistes brevirostris</i>	Catostomidae	CA, OR.
2 Blue sucker	<i>Cylopterus elongatus</i>	Catostomidae	AL, AR, IA, IL, IN, KS, KY, LA, MN, MO, MS, MT, ND, NE, NM, OH, OK, PA, SD, TN, TX, WI, WV, MEXICO.
3C Rustyside sucker	<i>Notropis hamiltoni</i>	Catostomidae	VA.
2 Razorback sucker	<i>Xyrauchen texanus</i>	Catostomidae	AZ, CA, CO, NV, UT, WY.
3C Headwater catfish	<i>Ictalurus lupus</i>	Ictaluridae	NM, TX.
2 Carolina madtom	<i>Noturus furiosus</i>	Ictaluridae	NC.
1 Orangefin madtom	<i>Noturus gilberti</i>	Ictaluridae	NC, VA.
2 Ouachita madtom	<i>Noturus lachneri</i>	Ictaluridae	AR.
2 Frecklebelly madtom	<i>Noturus muhlenbergi</i>	Ictaluridae	AL, GA, LA, MS, TN.
1 Neosho madtom	<i>Noturus placidus</i>	Ictaluridae	KS, MO, OK.
2 Pygmy madtom	<i>Noturus stansburyi</i>	Ictaluridae	TN.
2 Caddo madtom	<i>Noturus taylori</i>	Ictaluridae	AR.
2 Widesmouth blindcat	<i>Satan eurystomus</i>	Ictaluridae	TX.
2 Toothless blindcat	<i>Troglodylanis pattersoni</i>	Ictaluridae	TX.
2 Northern cavefish	<i>Amblyopsis spelaea</i>	Amblyopsidae	IN, KY.
2 Preston White River springfish	<i>Crenichthys baileyi albiralis</i>	Cyprinodontidae	NV.
2 Moapa White River springfish	<i>Crenichthys baileyi moapa</i>	Cyprinodontidae	NV.
2 Conchos pupfish	<i>Cyprinodon exilis</i>	Cyprinodontidae	TX, Mexico.
2 Pecos pupfish	<i>Cyprinodon pecosensis</i>	Cyprinodontidae	NM, TX.
2 White Sands pupfish	<i>Cyprinodon tularosa</i>	Cyprinodontidae	NM.
34 Monkey Springs pupfish	<i>Cyprinodon</i> sp.	Cyprinodontidae	AZ.
2 Palomas pupfish	<i>Fundulus albolineatus</i>	Cyprinodontidae	NM, Mexico.
3A Whiteline topminnow	<i>Fundulus julisia</i>	Cyprinodontidae	AL.
3C Barrens topminnow	<i>Fundulus maccaensis</i>	Cyprinodontidae	TN.
2 Maccaaw killifish	<i>Gambusia senilis</i>	Poeciliidae	TX, Mexico.
2 Blotched gambusia	<i>Hemidia extensa</i>	Atherinidae	NC.
1 Maccaaw silverside	<i>Epiplatys</i> sp.	Centrarchidae	NC, SC.
2 Barred pygmy sunfish	<i>Epiplatys</i> sp.	Centrarchidae	AL.
1 Spring pygmy sunfish	<i>Micropterus treculi</i>	Centrarchidae	TX.
2 Guadalupe bass	<i>Ameiurus asperella</i>	Percidae	AL, AR, FL, IA, IL, IN, KY, LA, MN, MO, MS, OH, OK, TN, WI, WV.
2 Crystal darter	<i>Ameiurus pellucida</i>	Percidae	IL, IN, KY, MI, NY, OH, PA, VT, WV.
2 Eastern sand darter	<i>Etheostoma acuticeps</i>	Percidae	NC, TN, VA.
2 Sharphead darter	<i>Etheostoma aquali</i>	Percidae	TN.
2 Coppercheek darter	<i>Etheostoma ditrema</i>	Percidae	AL, GA, TN.
2 Coldwater darter	<i>Etheostoma grahami</i>	Percidae	TX, Mexico.
2 Rio Grande darter	<i>Etheostoma lepidum</i>	Percidae	NM, TX.
3C Greenthroat darter	<i>Etheostoma varians</i>	Percidae	NC, SC.
2 Pinewoods darter	<i>Etheostoma moorei</i>	Percidae	AR.
3C Yellowcheek darter	<i>Etheostoma nigrum</i>	Percidae	KY.
2 Cumberlana Johnny darter	<i>Etheostoma osburni</i>	Percidae	VA, WV.
2 Finescale saddled darter	<i>Etheostoma pallidum</i>	Percidae	AR.
3C Paleback darter	<i>Etheostoma perlongum</i>	Percidae	NC.
3B Maccaaw darter	<i>Etheostoma trisella</i>	Percidae	AL, GA, TN.
2 Trispot darter	<i>Etheostoma tuscumbia</i>	Percidae	AL, TN.
2 Tusculum darter	<i>Etheostoma (Doratis) sp.</i>	Percidae	TN.
2 Jewel darter	<i>Etheostoma (Mothnotus) sp.</i>	Percidae	AL, TN.
2 Elk River darter	<i>Etheostoma (Ulocentral) sp.</i>	Percidae	MS.
2 Yazoo darter	<i>Percina aurilineata</i>	Percidae	AL, GA.
1 Goldline darter	<i>Percina cyathotaenia</i>	Percidae	MO.
2 Bluestripe darter	<i>Percina leucosticta</i>	Percidae	AL, GA, LA, MS.
2 Freckled darter	<i>Percina macrocephala</i>	Percidae	KY, NC, NY, OH, PA, TN, VA, WV.
2 Longhead darter	<i>Percina nasuta</i>	Percidae	AR, MO, OK.
2 Longnose darter	<i>Percina rex</i>	Percidae	VA.
1 Roanoke logperch	<i>Percina uranidea</i>	Percidae	AR, IL, IN, LA, MD.
2 Stargazing darter	<i>Eucyclogobius newberryi</i>	Gobiidae	CA.
2 Tidewater goby	<i>Leptocottus armatus</i>	Gobiidae	MI.
1 O'apu alano'o	<i>Cottus asperimus</i>	Cottidae	CA.
2 Rough sculpin	<i>Cottus bairdi</i> ssp.	Cottidae	OR.
2 Malheur mottled sculpin	<i>Cottus greeni</i>	Cottidae	ID.
1 Shoshone sculpin	<i>Cottus leiopomus</i>	Cottidae	ID.
2 Wood River sculpin	<i>Cottus pygmaeus</i>	Cottidae	AL.
1 Pygmy sculpin			
AMPHIBIANS			
2 Flatwoods salamander	<i>Ambystoma cingulatum</i>	Ambystomatidae	AL, FL, GA, MS, SC.
2 California tiger salamander	<i>Ambystoma tigrinum californicum</i>	Ambystomatidae	CA.
2 Sonoran tiger salamander	<i>Ambystoma tigrinum stebbinsi</i>	Ambystomatidae	AZ, Mexico.
2 Hellbender	<i>Cryptobranchus alleganiensis</i>	Cryptobranchidae	AL, AR, GA, IA, IL, IN, KY, KS, MD, MN, MO, MS, NC, NY, OH, PA, SC, TN, VA, WV.
2 Green salamander	<i>Aneides aeneus</i>	Plethodontidae	AL, GA, KY, MD, MS, NC, OH, PA, SC, TN, VA, WV.
2 Sacramento Mountains salamander	<i>Aneides hardii</i>	Plethodontidae	NM.
2 Inyo Mountains salamander	<i>Batrachoseps caeppi</i>	Plethodontidae	CA.

CATEGORY AND COMMON NAME	SCIENTIFIC NAME	FAMILY	RANGE
2 Channel Islands slender salamander	<i>Batrachoseps pacificus pacificus</i>	Plethodontidae	CA.
2 Kern Canyon slender salamander	<i>Batrachoseps sierrae</i>	Plethodontidae	CA.
2 Teuchocampi slender salamander	<i>Batrachoseps stebbinsi</i>	Plethodontidae	CA.
2 Yellow-blotched ensatina	<i>Ensatina eschscholtzii croceator</i>	Plethodontidae	CA.
2 Large-blotched ensatina	<i>Ensatina eschscholtzii klauberi</i>	Plethodontidae	CA.
2 Barton Springs salamander	<i>Eurycea sp.</i>	Plethodontidae	TX.
2 Dark-sided salamander	<i>Eurycea aquatica</i>	Plethodontidae	AL, TN.
2 Junaluska salamander	<i>Eurycea junaluska</i>	Plethodontidae	NC.
38 Cascade Caverns salamander	<i>Eurycea latitans</i>	Plethodontidae	TX.
2 Texas salamander	<i>Eurycea neotenes</i>	Plethodontidae	TX.
2 Coal blind salamander	<i>Eurycea tridentifera</i>	Plethodontidae	TX.
38 Valdivia Fares salamander	<i>Eurycea troglodytes</i>	Plethodontidae	TX.
2 Oklahoma salamander	<i>Eurycea tynerensis</i>	Plethodontidae	AR, OK, MO.
2 Tennessee cave salamander	<i>Gyrinophilus palleucus</i>	Plethodontidae	AL, GA, TN.
2 West Virginia spring salamander	<i>Gyrinophilus subterraneus</i>	Plethodontidae	WV.
2 Georgia blind salamander	<i>Haldetrion wallacei</i>	Plethodontidae	GA, FL.
2 Limestone salamander	<i>Hydromantes brunus</i>	Plethodontidae	CA.
2 Mount Lyell salamander	<i>Hydromantes platycephalus</i>	Plethodontidae	CA.
2 Shasta salamander	<i>Hydromantes shastae</i>	Plethodontidae	CA.
2 Caddo Mountain salamander	<i>Plethodon caddoensis</i>	Plethodontidae	AR.
2 Fourche Mountain salamander	<i>Plethodon fourchensis</i>	Plethodontidae	AR.
2 Peaks of Otter salamander	<i>Plethodon hubrichti</i>	Plethodontidae	VA.
38 Coeur d'Alene salamander	<i>Plethodon idahoensis</i>	Plethodontidae	ID.
2 Larch Mountain salamander	<i>Plethodon larzelli</i>	Plethodontidae	OR, WA.
2 Jemez Mountain salamander	<i>Plethodon neomexicanus</i>	Plethodontidae	NM.
2 Cheat Mountain salamander	<i>Plethodon nettingi</i>	Plethodontidae	WV.
2 Ouachita salamander	<i>Plethodon ouachitae</i>	Plethodontidae	AR, OK.
2 White-spotted salamander	<i>Plethodon punctatus</i>	Plethodontidae	VA, WV.
2 Shenandoah salamander	<i>Plethodon shenandoah</i>	Plethodontidae	VA.
2 Siskiyou Mountain salamander	<i>Plethodon stormi</i>	Plethodontidae	CA, OR.
2 Blanco blind salamander	<i>Typhlomolge robusta</i>	Plethodontidae	TX.
38 Carolina waterdog	<i>Necturus lewisi</i>	Proteidae	NC.
2 Sipsey Fork waterdog	<i>Necturus maculosus</i> ssp.	Proteidae	AL.
2 Black-spotted newt	<i>Notophthalmus meridionalis</i>	Salamandridae	TX, Mexico.
2 Gulf Hameck dwarf siren	<i>Pseudobranchius striatus lustricolus</i>	Sirenidae	FL.
2 Rio Grande lesser siren	<i>Siren intermedia texana</i>	Sirenidae	TX, Mexico.
2 Black toad	<i>Bufo exilis</i>	Bufo	CA.
2 Puerto Rican toad	<i>Bufo lemur</i>	Bufo	PR.
2 Arroyo toad	<i>Bufo microscaphus californicus</i>	Bufo	CA, Mexico.
2 Amaposa toad	<i>Bufo nevadensis</i>	Bufo	NV.
2 Sonora green toad	<i>Bufo retiformis</i>	Bufo	AZ, Mexico.
2 Pine Barrens treefrog (northern populations)	<i>Hyla andersonii</i>	Hylidae	NC, NJ.
2 Illinois chorus frog	<i>Pseudacris streckeri illinoensis</i>	Hylidae	AR, IL, MO.
2 Guajon	<i>Eleutherodactylus coqui</i>	Leptodactylidae	PR.
2 Web-footed coqui	<i>Eleutherodactylus karlschmidti</i>	Leptodactylidae	PR.
38 Ramos bromeliad frog	<i>Eleutherodactylus ramosi</i>	Leptodactylidae	PR.
38 Duckwater frog	<i>Rana sp.</i>	Ranidae	NV.
34 San Felipe leopard frog	<i>Rana sp.</i>	Ranidae	CA.
2 Florida gopher frog	<i>Rana areolata aescopus</i>	Ranidae	FL, GA.
2 Carolina gopher frog	<i>Rana areolata capito</i>	Ranidae	GA, NC, SC.
2 Dusky gopher frog	<i>Rana areolata sevens</i>	Ranidae	AL, FL, LA, MS.
2 California red-legged frog	<i>Rana aurora draytoni</i>	Ranidae	CA, Mexico.
38 Vegas Valley leopard frog	<i>Rana (pipiens) fisheri</i>	Ranidae	NV.
34 Relict leopard frog	<i>Rana onca</i>	Ranidae	AZ, NV, UT.
1 Tarahumara frog	<i>Rana tarahumarae</i>	Ranidae	AZ, Mexico.
REPTILES			
2 Alligator snapping turtle	<i>Macrochelys temminckii</i>	Chelydridae	AR, AL, FL, GA, IL, IN, KY, MS, LA, MO, MS, OK, TN, TX.
2 Western pond turtle	<i>Clemmys variegata</i>	Emydidae	CA, OR, WA, Canada.
2 Bog turtle	<i>Clemmys burlingtoni</i>	Emydidae	CT, DE, GA, MA, MD, NC, NY, NJ, PA, RI, SC, VA.
2 Barbour's map turtle	<i>Graptemys barbouri</i>	Emydidae	AL, FL, GA.
2 Eagle's map turtle	<i>Graptemys eagles</i>	Emydidae	TX.
2 Yellow-blotched sawback	<i>Graptemys flavimaculata</i>	Emydidae	MS.
38 Black-knobbed sawback	<i>Graptemys nigricauda</i>	Emydidae	AL, MS.
1 Ringed sawback	<i>Graptemys oculifera</i>	Emydidae	LA, MS.
38 Sabine map turtle	<i>Graptemys ouachitensis sabinensis</i>	Emydidae	LA, TX.
2 Texas map turtle	<i>Graptemys versa</i>	Emydidae	TX.
2 Alabama red-bellied turtle	<i>Pseudemys alabamensis</i>	Emydidae	AL.
38 Suwannee cooter	<i>Pseudemys concinna suwanensis</i>	Emydidae	FL, GA.
2 Jicotea	<i>Pseudemys (decussata) stejnegeri</i>	Emydidae	PR.
2 Big Bend slider	<i>Pseudemys scripta gaigeae</i>	Emydidae	TX, Mexico.
2 Key mud turtle	<i>Kinosternon bauri bauri</i>	Kinosternidae	FL.
38 Arizona mud turtle	<i>Kinosternon flavescens arizonense</i>	Kinosternidae	AZ, Mexico.
1 Yellow mud turtle (northern populations)	<i>Kinosternon flavescens flavescens</i>	Kinosternidae	LA, IL, MO, NE.
38 Illinois mud turtle	<i>Kinosternon flavescens spooneri</i>	Kinosternidae	IA, IL, MO.
2 Big Bend mud turtle	<i>Kinosternon hirtipes aurrayi</i>	Kinosternidae	TX, Mexico.
1 Flattened musk turtle	<i>Sternotherus depressus</i>	Kinosternidae	AL.
2 Desert tortoise	<i>Scaptochelys agassizii</i>	Testudinidae	AZ, CA, NV, UT, Mexico.
2 Gopher tortoise	<i>Gopherus polyphemus</i>	Testudinidae	AL, FL, GA, LA, MS, SC.
38 Baker's legless lizard	<i>Amphisbaena bakeri</i>	Amphisbaenidae	PR.
2 Panamint alligator lizard	<i>Elgaria panamintinus</i>	Anguillidae	CA.
2 Black legless lizard	<i>Anniella pulchra nigra</i>	Anniellidae	CA.

CATEGORY AND COMMON NAME	SCIENTIFIC NAME	FAMILY	RANGE
2 Barefoot gecko	<i>Anarbylus switaki</i>	Gekkonidae	CA, Mexico.
3C Big Bend gecko	<i>Coleonyx reticulatus</i>	Gekkonidae	TX, Mexico.
2 Billa monster	<i>Meloderma suspectus</i>	Melodermatidae	AZ, CA, NM, NV, UT, Mexico.
2 Puerto Rican pygmy anole	<i>Anolis occultus</i>	Iguanidae	PR.
2 Reticulate collared lizard	<i>Crotaphytus reticulatus</i>	Iguanidae	TX, Mexico.
3A Navassa Island iguana	<i>Cyclura cornuta nigerrima</i>	Iguanidae	Navassa Island.
3A No common name	<i>Leiocephalus eremitus</i>	Iguanidae	Navassa Island.
2 San Diego horned lizard	<i>Phrynosoma coronatum blainvilliei</i>	Iguanidae	CA, Mexico.
2 Flat-tailed horned lizard	<i>Phrynosoma mcalli</i>	Iguanidae	AZ, CA, Mexico.
3C Sand dune lizard	<i>Sceloporus graciosus arenicolous</i>	Iguanidae	TX, NM.
2 Florida scrub lizard	<i>Sceloporus woodi</i>	Iguanidae	FL.
2 Colorado Desert fringed-toed lizard	<i>Uma notata notata</i>	Iguanidae	CA, Mexico.
3C Cowles fringe-toed lizard	<i>Uma notata rufopunctata</i>	Iguanidae	AZ, Mexico.
3C Pandanus skink	<i>Aulacopax leptosoma</i>	Scincidae	TT.
2 Florida Keys mole skink	<i>Eumeces egregius egregius</i>	Scincidae	FL.
2 Blue-tailed mole skink	<i>Eumeces egregius lividus</i>	Scincidae	FL.
3C Arizona skink	<i>Eumeces gilberti arizonensis</i>	Scincidae	AZ.
2 Sand skink	<i>Neoseps reynoldsi</i>	Scincidae	FL.
2 Blue-tailed ground lizard	<i>Ninia wetmorei</i>	Teiidae	PR.
3C Gray-checkered whiptail	<i>Cnemidophorus dixonii</i>	Teiidae	NM, TX.
2 Orange-throated whiptail	<i>Cnemidophorus hyperythrus</i>	Teiidae	CA, Mexico.
2 Southern rubber boa	<i>Charina bottae umbratica</i>	Boidae	CA.
3A St. Croix ground snake	<i>Alsophis sancticrucis</i>	Colubridae	VI.
2 Culobra garden snake	<i>Arrhyton exiguus exiguus</i>	Colubridae	PR.
2 Kirtland's snake	<i>Clonophis kirtlandi</i>	Colubridae	IL, IN, KY, MI, OH, PA, WI.
2 Key ringneck snake	<i>Diadophis punctatus acricus</i>	Colubridae	FL.
3C Desert king snake	<i>Lampropeltis getulus splendida</i>	Colubridae	AZ, NM, OK, TX.
3C Gray-banded king snake	<i>Lampropeltis mexicana alterna</i>	Colubridae	TX.
2 San Diego Mountain king snake	<i>Lampropeltis zonata pulchra</i>	Colubridae	CA.
2 Alameda striped racer	<i>Nasticophis lateralis euryxanthus</i>	Colubridae	CA.
2 Copperbelly water snake	<i>Nerodia erythrogaster neglecta</i>	Colubridae	IL, IN, KY, MI, OH.
3C Brazos water snake	<i>Nerodia harteri harteri</i>	Colubridae	TX.
1 Concho water snake	<i>Nerodia harteri paucimaculata</i>	Colubridae	TX.
2 Lake Erie water snake	<i>Nerodia sipedon insularum</i>	Colubridae	OH, Canada.
2 Black pine snake	<i>Pituophis melanoleucus lodongi</i>	Colubridae	AL, LA, MS.
2 Florida pine snake	<i>Pituophis melanoleucus mugilus</i>	Colubridae	AL, FL, GA, SC.
2 Santa Cruz Island gopher snake	<i>Pituophis melanoleucus guayanae</i>	Colubridae	CA.
2 Louisiana pine snake	<i>Pituophis melanoleucus ruthveni</i>	Colubridae	LA, TX.
2 Short-tailed snake	<i>Stilosoma extenuatum</i>	Colubridae	FL.
2 Rimrock crowned snake	<i>Tantilla eolifica</i>	Colubridae	FL.
2 Short-headed garter snake	<i>Thamnophis brachystoma</i>	Colubridae	NY, PA.
2 Giant garter snake	<i>Thamnophis couchii gigas</i>	Colubridae	CA.
2 Mexican garter snake	<i>Thamnophis eques</i>	Colubridae	AZ, NM, Mexico.
2 Narrow-headed garter snake	<i>Thamnophis rufipunctatus</i>	Colubridae	AZ, NM, Mexico.
2 No common name	<i>Tropidophis melanurus bucculentus</i>	Colubridae	Navassa Island.
3C Arizona ridge-nosed rattlesnake	<i>Crotalus willardi willardi</i>	Viperidae	AZ, Mexico.
2 Eastern massasauga	<i>Sistrurus catenatus catenatus</i>	Viperidae	IA, IL, IN, MI, MO, MN, NY, OH, PA, Canada.

BIRDS

2 Reddish egret	<i>Egretta rufescens</i>	Ardeidae	N=FL, TX, Mexico, West Indies; V=AL, CA, LA, MS.
2 White-faced ibis (Great Basin population)	<i>Plegadis chihi</i>	Threskiornithidae	N=AZ, CA, CO, NM, NV, OR, UT; V=ID, WY, Mexico.
3C Tule white-fronted goose	<i>Anser albifrons elgasi</i>	Anatidae	N=AK; V=CA, OR.
2 West Indian whistling duck	<i>Dendrocygna arborea</i>	Anatidae	PR, VI, West Indies.
2 Fulvous whistling duck (Southwestern U.S. population)	<i>Dendrocygna bicolor</i>	Anatidae	N=AZ, CA; V=Mexico.
2 Lesser white-cheeked pintail	<i>Anas bahamensis bahamensis</i>	Anatidae	PR, VI, West Indies, South America.
2 West Indian ruddy duck	<i>Oxyura jamaicensis jamaicensis</i>	Anatidae	PR, VI, West Indies.
2 American swallow-tailed kite	<i>Elanoides forficatus forficatus</i>	Accipitridae	N=AL, AR, FL, GA, IA, IL, KS, LA, MN, MO, MS, NC, OK, SC, TN, TX, WI; V=Central America.
2 Puerto Rican sharp-shinned hawk	<i>Accipiter striatus venator</i>	Accipitridae	PR.
2 Puerto Rican broad-winged hawk	<i>Buteo platypterus brunneus</i>	Accipitridae	PR.
2 Swainson's hawk	<i>Buteo swainsoni</i>	Accipitridae	N=AK, AZ, CA, CO, IA, ID, KS, MN, MO, MT, ND, NE, NM, NV, OK, OR, SD, TX, UT, WA, WY, Canada; V=FL, Mexico, Central and South America.
2 Ferruginous hawk	<i>Buteo regalis</i>	Accipitridae	N=CO, ID, MT, ND, NE, NM, NV, OK, OR, SD, TX, UT, WA, WY, Canada; V=AZ, CA, Mexico.
2 Crested caracara (Florida population)	<i>Polyborus plancus auduboni</i>	Falconidae	FL.
2 Southeastern American kestrel	<i>Falco sparverius paulus</i>	Falconidae	AL, FL, GA, LA, MS.
2 Western sage grouse	<i>Centrocercus urophasianus phaios</i>	Phasianidae	OR, WA, Canada.
2 Mangrove clapper rail	<i>Rallus longirostris insularum</i>	Rallidae	FL.
2 California black rail	<i>Laterallus jamaicensis coturniculus</i>	Rallidae	AZ, CA, Mexico.
2 Caribbean coot	<i>Fulica caribaea</i>	Rallidae	PR, VI, West Indies.
2 Western snowy plover	<i>Charadrius alexandrinus hivosus</i>	Charadriidae	N=CA, CO, KS, NM, NV, OK, OR, TX, UT, WA; V=AZ, Mexico.
2 Southeastern snowy plover	<i>Charadrius alexandrinus tenuirostris</i>	Charadriidae	AL, FL, LA, MS, PR, Greater Antilles.
2 Mountain plover	<i>Charadrius montanus</i>	Charadriidae	N=CO, KS, MT, ND, NE, NM, OK, SD, TX, WY; V=AZ, CA, NV, UT, Mexico.
2 Long-billed curlew	<i>Numenius americanus</i>	Scolopacidae	N=CA, CO, IA, ID, KS, MT, ND, NE, NM, NV, OK, OR, SD, TX, UT, WA, WI, WY, Canada; V=AZ, LA, MN, Mexico.

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1 Roseate tern (North American population)	<i>Sterna dougallii dougallii</i>	Laridae	N=CT, FL, MA, ME, NJ, NY, PR, VA, VI, Canada, West Indies; V=Central and South America.
2 White-crowned pigeon	<i>Columba leucocephala</i>	Columbidae	FL, West Indies, Central America.
2 Red-tailed Tropicbird	<i>Ducula oceanica ruficauda</i>	Columbidae	TT (Marshall Islands).
2 Truk Micronesian pigeon	<i>Ducula oceanica teraoki</i>	Columbidae	TT (Caroline Islands).
3C Mariana fruit dove	<i>Ptilinopus roseicapillus</i>	Columbidae	GU, CM.
3C Guam white-throated ground dove	<i>Gallicolumba xanthonura xanthonura</i>	Columbidae	GU, CM.
3C Palau Nicobar pigeon	<i>Caloenas nicobarensis palauensis</i>	Columbidae	TT (Caroline Islands).
2 Western yellow-billed cuckoo	<i>Coccyzus americanus occidentalis</i>	Cuculidae	N=AZ, CA, CO, ID, NM, NV, OR, TX, UT, WA, Canada, Mexico; V=Central and South America.
2 Virgin Islands screech owl	<i>Otus scops</i>	Strigidae	PR, VI.
2 Southern spotted owl	<i>Strix occidentalis lucida</i>	Strigidae	AZ, CO, NM, TX, UT, Mexico.
1 Ponape short-eared owl	<i>Asio flammeus ponapensis</i>	Strigidae	TT (Caroline Islands).
1 Florida scrub jay	<i>Aphelocoma coerulescens coerulescens</i>	Corvidae	FL.
2 Appalachian Bewick's wren	<i>Thryomanes bewickii albus</i>	Troglodytidae	AL, GA, KY, MD, NC, OH, PA, SC, TN, VA, WV, Canada.
3A San Clemente Bewick's wren	<i>Thryomanes bewickii leucophrys</i>	Troglodytidae	CA.
2 Coastal black-tailed gnatcatcher	<i>Psaltriparus melanurus californicus</i>	Muscicapidae	CA, Mexico.
3C Truk monarch	<i>Hirundo lucida</i>	Muscicapidae	TT (Caroline Islands).
1 Guam rufous-fronted fantail	<i>Rhipidura rufifrons uraniae</i>	Muscicapidae	GU.
1 Palau white-breasted wood-swallow	<i>Artamus leucorhynchus palauensis</i>	Artamidae	TT (Caroline Islands).
2 Migrant loggerhead shrike	<i>Lanius ludovicianus migrans</i>	Laniidae	N=AR, CT, DE, DC, IA, IL, IN, KS, KY, MA, MD, ME, MI, MN, MO, MS, NC, NE, NH, NJ, NY, OH, OK, PA, RI, TN, TX, VA, VT, WI, WV, Canada; V=AL, FL, GA, LA, SC.
3C Cardinal honey-eater	<i>Myiarchus cardinalis saffordi</i>	Myiophagidae	GU, CM.
2 Bishop's sp.	<i>Myiarchus bishopi</i>	Myiophagidae	HI.
2 Rota bridled white-eye	<i>Zosterops conspicillata rotensis</i>	Zosteropidae	CM.
1 Truk greater white-eye	<i>Zosterops lateralis</i>	Zosteropidae	TT (Caroline Islands).
3C Arizona Bell's vireo	<i>Vireo bellii arizonae</i>	Vireonidae	N=AZ, CA, NV, UT; V=Mexico.
1 Black-capped vireo	<i>Vireo atricapillus</i>	Vireonidae	N=KS, OK, TX; V=Mexico.
3C Colima warbler	<i>Dendroica crissalis</i>	Emberizidae	N=TX; V=Mexico.
2 Golden-cheeked warbler	<i>Dendroica chrysoparia</i>	Emberizidae	GU, TX; V=Mexico, Central America.
2 Stoddard's yellow-throated warbler	<i>Dendroica dominica stoddardi</i>	Emberizidae	AL, FL.
2 Eakin woods warbler	<i>Dendroica eakinii</i>	Emberizidae	PR.
2 Saltmarsh yellowthroat	<i>Geothlypis trichas sinuosa</i>	Emberizidae	CA.
3C Yuma brown towhee	<i>Pipilo fuscus relictus</i>	Emberizidae	AZ.
2 Bachman's sparrow	<i>Amphispiza bilineata</i>	Emberizidae	AL, AR, FL, GA, IL, IN, KY, LA, MD, MO, MS, NC, OH, OK, PA, SC, TN, TX, VA, WV.
2 Texas Botters's sparrow	<i>Amphispiza battersi texana</i>	Emberizidae	TX, Mexico.
3C Yuma rufous-crowned sparrow	<i>Amphispiza ruficeps rupicola</i>	Emberizidae	AZ.
2 Belding's savannah sparrow	<i>Passerculus sandwichensis beldingi</i>	Emberizidae	CA, Mexico.
2 Large-billed savannah sparrow	<i>Passerculus sandwichensis rostratus</i>	Emberizidae	N=Mexico; V=AZ, CA.
1 Florida grasshopper sparrow	<i>Ammodramus savius floridanus</i>	Emberizidae	FL.
3A Texas Henslow's sparrow	<i>Ammodramus henslowii houstonensis</i>	Emberizidae	TX.
2 Wakulla seaside sparrow	<i>Ammodramus maritima junicola</i>	Emberizidae	FL.
2 Seyna seaside sparrow	<i>Ammodramus maritima pelonota</i>	Emberizidae	FL.
2 Anak song sparrow	<i>Melospiza melodia anak</i>	Emberizidae	AK.
2 Tricolored blackbird	<i>Agelaius tricolor</i>	Emberizidae	CA, OR, Mexico.
3C Palau blue-faced parrotfinch	<i>Erythrura trichroa palauensis</i>	Estrildidae	TT (Caroline Islands).

MAMMALS

2 Tuckahoe masked shrew	<i>Sorex cinereus nigriculus</i>	Soricidae	NJ.
2 Pribilof shrew	<i>Sorex hylandorum</i>	Soricidae	AK.
2 Lyell shrew	<i>Sorex lyelli</i>	Soricidae	CA.
2 Preble's shrew	<i>Sorex preblei</i>	Soricidae	ID, MT, OR, WA, WY.
2 Housatonic shrew	<i>Sorex longirostris exilis</i>	Soricidae	FL.
2 Salt marsh vagrant shrew	<i>Sorex vagrans halicoetes</i>	Soricidae	CA.
3B San Bernardino dusky shrew	<i>Sorex monticolus garvini</i>	Soricidae	CA.
2 Buena Vista Lake shrew	<i>Sorex ornatus relictus</i>	Soricidae	CA.
2 Monterey ornate shrew	<i>Sorex ornatus salarius</i>	Soricidae	CA.
2 Ornate salt marsh shrew	<i>Sorex ornatus salicornicus</i>	Soricidae	CA.
2 Sulphur shrew	<i>Sorex ornatus sinuatus</i>	Soricidae	CA.
2 Santa Catalina shrew	<i>Sorex ornatus willetti</i>	Soricidae	CA.
2 Ashland shrew	<i>Sorex trigonirostris</i>	Soricidae	OR.
2 Southern water shrew	<i>Sorex palustris punctulatus</i>	Soricidae	MD, PA, TN, VA, WV.
2 Glacier Bay water shrew	<i>Sorex alaskanus</i>	Soricidae	AK.
2 Arizona shrew	<i>Sorex arizonae</i>	Soricidae	AZ, NM.
2 Long-tailed shrew	<i>Sorex dispar</i>	Soricidae	MA, ME, NC, NH, NY, PA, TN, VA, VT, WV.
2 Destruction Island shrew	<i>Sorex townsendii destructionis</i>	Soricidae	WA.
2 Northeastern pygmy shrew	<i>Microsorex hoyi thompsoni</i>	Soricidae	MA, ME, MI, NH, NY, OH, PA, VT, WI, WV.
2 Southern pygmy shrew	<i>Microsorex hoyi winnemana</i>	Soricidae	IL, IN, KY, MD, NC, OH, TN, VA.
2 Martha's Vineyard short-tailed shrew	<i>Blarina brevicauda alaga</i>	Soricidae	MA.
2 Nantucket short-tailed shrew	<i>Blarina brevicauda compacta</i>	Soricidae	MA.
2 Aransas short-tailed shrew	<i>Blarina brevicauda plumbae</i>	Soricidae	TX.
2 Sherman's short-tailed shrew	<i>Blarina brevicauda shermani</i>	Soricidae	FL.
3C Dixie Swamp short-tailed shrew	<i>Blarina brevicauda texalestis</i>	Soricidae	NC, VA.
2 Anastasia Island mole	<i>Scalopus aquaticus anastasiae</i>	Talpidae	FL.
2 Englewood mole	<i>Scalopus aquaticus bassii</i>	Talpidae	FL.
2 Presidio mole	<i>Scalopus aquaticus texanus</i>	Talpidae	TX.
2 Star-nosed mole	<i>Corynorhinus cristatus parva</i>	Talpidae	GA, MD, NC, SC, TN, VA, WV.
2 Mariana fruit bat (northern populations)	<i>Pteropus mariannus mariannus</i>	Pteropodidae	CM.

CATEGORY AND COMMON NAME	SCIENTIFIC NAME	FAMILY	RANGE
2 Pagan fruit bat	<i>Pteropus mariannus paganensis</i>	Pteropodidae	CH.
2 Samoan fruit bat	<i>Pteropus samoensis samoensis</i>	Pteropodidae	AS, Western Samoa.
2 Sheath-tailed bat	<i>Emballonura semicaudata</i>	Emballonuridae	CH, GU, TT (Caroline Islands).
2 Insular long-tongued bat	<i>Monophyllus plethodon frater</i>	Phyllostomidae	PR.
2 Big long-nosed bat	<i>Leptonycteris nivalis</i>	Phyllostomidae	TX, Mexico.
2 Little long-nosed bat	<i>Leptonycteris sabhorni</i>	Phyllostomidae	AZ, NM, Mexico.
2 Desmarest's fig-eating bat	<i>Stenoderma rufus</i>	Phyllostomidae	PR.
2 Eastern small-footed bat	<i>Myotis subulatus lezbi</i>	Vespertilionidae	AR, CT, DE, GA, IL, IN, KY, MA, MD, ME, MO, NC, NH, NJ, NY, OH, OK, PA, RI, TN, VA, VT, WV, Canada.
2 Occult bat	<i>Myotis lucifugus occultus</i>	Vespertilionidae	AZ, CA, NM, TX, Mexico.
2 Southeastern bat	<i>Myotis austroriparius</i>	Vespertilionidae	AL, AR, FL, GA, IL, IN, KY, LA, MD, MS, NC, OK, SC, TN, TX.
2 Southwestern cave bat	<i>Myotis velifer brevis</i>	Vespertilionidae	AZ, CA, NM.
2 Spotted bat	<i>Eudernia maculatus</i>	Vespertilionidae	AZ, CA, CO, ID, MT, NM, NV, OR, UT, WY, TX, Canada, Mexico.
2 Townsend's western big-eared bat	<i>Plecotus townsendii townsendii</i>	Vespertilionidae	CA, OR, WA, Canada.
2 Southeastern big-eared bat	<i>Plecotus rafinesquii</i>	Vespertilionidae	AL, AR, FL, GA, IL, IN, KY, LA, MD, MS, NC, OH, OK, SC, TN, TX, VA, WV.
2 Greater mastiff bat	<i>Eusops perotis californicus</i>	Molossidae	AZ, CA, NM, TX, Mexico.
2 Underwood's mastiff bat	<i>Eusops underwoodi</i>	Molossidae	AZ, Mexico, Central America.
2 Florida mastiff bat	<i>Eusops glaucinus floridanus</i>	Molossidae	FL.
2 Barnes' pika	<i>Ochotona princeps barnesi</i>	Ochotonidae	UT.
2 Cinnamon pika	<i>Ochotona princeps cinnamon</i>	Ochotonidae	UT.
2 Copenhagen Basin pika	<i>Ochotona princeps clausa</i>	Ochotonidae	ID.
2 Lasal pika	<i>Ochotona princeps lasalensis</i>	Ochotonidae	UT.
2 Heliotrope pika	<i>Ochotona princeps moorei</i>	Ochotonidae	UT.
2 Boat Peak pika	<i>Ochotona princeps nigrescens</i>	Ochotonidae	NM.
2 Wasatch pika	<i>Ochotona princeps wasatchensis</i>	Ochotonidae	UT.
2 Riparian brush rabbit	<i>Sylvilagus bachmani riparius</i>	Leporidae	CA.
2 Lower Keys rabbit	<i>Sylvilagus palustris hefneri</i>	Leporidae	FL.
2 Micco cottontail rabbit	<i>Sylvilagus floridanus ammophilus</i>	Leporidae	FL.
2 Smiths Island cottontail rabbit	<i>Sylvilagus floridanus hitchensi</i>	Leporidae	VA.
2 Davis Mountains cottontail rabbit	<i>Sylvilagus floridanus robustus</i>	Leporidae	TX.
2 New England cottontail rabbit	<i>Sylvilagus transitionalis</i>	Leporidae	AL, GA, KY, MA, MD, ME, NC, NH, NJ, NY, PA, TN, VA, VT, WV.
2 Sierra Nevada snowshoe hare	<i>Lepus americanus tahoenis</i>	Leporidae	CA.
1 White-sided jackrabbit	<i>Lepus callotis gillardi</i>	Leporidae	NM, Mexico.
2 Sierra Nevada Mountain beaver (Mono Basin population)	<i>Aplodontia rufa californica</i>	Aplodontidae	CA.
2 Point Arena mountain beaver	<i>Aplodontia rufa nigra</i>	Aplodontidae	CA.
2 Point Reyes mountain beaver	<i>Aplodontia rufa phaea</i>	Aplodontidae	CA.
3A Penasco chipmunk	<i>Eutamias minimus atristriatus</i>	Sciuridae	NM.
2 Organ Mountains chipmunk	<i>Eutamias quadrivittatus australis</i>	Sciuridae	NM.
2 Hidden Forest chipmunk	<i>Eutamias umbrinus nevadensis</i>	Sciuridae	NV.
2 Mount Ellen chipmunk	<i>Eutamias umbrinus sedulus</i>	Sciuridae	UT.
2 Palmer's chipmunk	<i>Eutamias palmeri</i>	Sciuridae	NV.
2 Wet Mountains marmot	<i>Marmota flaviventris notioros</i>	Sciuridae	CO.
2 Nelson's antelope ground squirrel	<i>Ammospermophilus nelsoni</i>	Sciuridae	CA.
1 Northern Idaho ground squirrel	<i>Spermophilus brunneus asp.</i>	Sciuridae	ID.
2 Southern Idaho ground squirrel	<i>Spermophilus brunneus asp.</i>	Sciuridae	ID.
2 Richardson's ground squirrel	<i>Spermophilus richardsoni nevadensis</i>	Sciuridae	ID, NV, OR.
2 Allen's 13-lined ground squirrel	<i>Spermophilus tridecemlineatus alleni</i>	Sciuridae	WY.
3C White Mountains ground squirrel	<i>Spermophilus tridecemlineatus monticola</i>	Sciuridae	AZ.
2 Mohave ground squirrel	<i>Spermophilus mohavensis</i>	Sciuridae	CA.
2 Palm Springs ground squirrel	<i>Spermophilus tereticaudus chlorus</i>	Sciuridae	CA.
2 Arizona prairie dog	<i>Cynomys ludovicianus arizonensis</i>	Sciuridae	AZ, NM, TX, Mexico.
2 Mangrove fox squirrel	<i>Sciurus niger arizonae</i>	Sciuridae	FL.
2 Sherman's fox squirrel	<i>Sciurus niger shermani</i>	Sciuridae	FL.
2 Chiricahua squirrel	<i>Sciurus nayaritensis chiricahuae</i>	Sciuridae	AZ.
2 Santa Catalina Mountains squirrel	<i>Sciurus arizonensis catalinae</i>	Sciuridae	AZ.
2 Brahm Mountains red squirrel	<i>Tamiasciurus hudsonicus grahamensis</i>	Sciuridae	AZ.
2 San Bernardino flying squirrel	<i>Glaucousys sabrinus californicus</i>	Sciuridae	CA.
2 Prince of Wales flying squirrel	<i>Glaucousys sabrinus griseifrons</i>	Sciuridae	AK.
2 Roy Prairie pocket gopher	<i>Thomomys mayanus glacialis</i>	Geomyidae	WA.
2 Goldbeach pocket gopher	<i>Thomomys mayanus helleri</i>	Geomyidae	OR.
2 Louie's pocket gopher	<i>Thomomys mayanus louiei</i>	Geomyidae	WA.
2 Tacoma pocket gopher	<i>Thomomys mayanus tacomaensis</i>	Geomyidae	WA.
2 Fish Spring pocket gopher	<i>Thomomys umbrinus abstrusus</i>	Geomyidae	NV.
2 Anargosa pocket gopher	<i>Thomomys umbrinus anargosae</i>	Geomyidae	CA.
2 Bonneville pocket gopher	<i>Thomomys umbrinus bonnevillae</i>	Geomyidae	UT.
2 Clear Lake pocket gopher	<i>Thomomys umbrinus coarctatus</i>	Geomyidae	UT.
2 San Antonio pocket gopher	<i>Thomomys umbrinus curtatus</i>	Geomyidae	NV.
2 Pistol River pocket gopher	<i>Thomomys umbrinus detumidus</i>	Geomyidae	OR.
2 Mount Ellen pocket gopher	<i>Thomomys umbrinus dissimilis</i>	Geomyidae	UT.
3C Anisea pocket gopher	<i>Thomomys umbrinus exilis</i>	Geomyidae	NM.
3C Graham Mountains pocket gopher	<i>Thomomys umbrinus grahamensis</i>	Geomyidae	AZ.
2 Guadalupe pocket gopher	<i>Thomomys umbrinus guadalupensis</i>	Geomyidae	NM, TX.
2 Hualapai pocket gopher	<i>Thomomys umbrinus hualpaiensis</i>	Geomyidae	AZ.
2 Limpia pocket gopher	<i>Thomomys umbrinus limpiae</i>	Geomyidae	TX.
2 Mearns' pocket gopher	<i>Thomomys umbrinus mearnsi</i>	Geomyidae	NM.
2 Stansbury Island pocket gopher	<i>Thomomys umbrinus minibus</i>	Geomyidae	UT.
2 Prospect Valley pocket gopher	<i>Thomomys umbrinus muralis</i>	Geomyidae	AZ.
2 Antelope Island pocket gopher	<i>Thomomys umbrinus neophilus</i>	Geomyidae	UT.
2 Cebolleta pocket gopher	<i>Thomomys umbrinus paguatae</i>	Geomyidae	NM.
2 Salt Sulch pocket gopher	<i>Thomomys umbrinus powelli</i>	Geomyidae	UT.

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1 Fajardo pocket gopher	<i>Thomomys umbrinus quercinus</i>	Geomysidae	AZ.
2 Skull Valley pocket gopher	<i>Thomomys umbrinus robustus</i>	Geomysidae	UT.
2 Swasey Spring pocket gopher	<i>Thomomys umbrinus sevieri</i>	Geomysidae	UT.
2 Searchlight pocket gopher	<i>Thomomys umbrinus suboles</i>	Geomysidae	AZ.
2 Marquahalla pocket gopher	<i>Thomomys umbrinus subissilis</i>	Geomysidae	AZ.
2 Liepia Creek pocket gopher	<i>Thomomys umbrinus texensis</i>	Geomysidae	TX.
2 Mer Rouge pocket gopher	<i>Geomys burbanckii brevicauda</i>	Geomysidae	LA.
1C White Sands pocket gopher	<i>Geomys areolaris brevicauda</i>	Geomysidae	NM.
2 Maritime pocket gopher	<i>Geomys personatus maritimus</i>	Geomysidae	TX.
2 Carrizo Springs pocket gopher	<i>Geomys personatus stricklandi</i>	Geomysidae	TX.
1A Sherman's pocket gopher	<i>Geomys pinetis fontinalis</i>	Geomysidae	GA.
1A Goff's pocket gopher	<i>Geomys pinetis goffi</i>	Geomysidae	FL.
1B Colonial pocket gopher	<i>Geomys colatus</i>	Geomysidae	GA.
2 Cumberland pocket gopher	<i>Geomys cumberlandius</i>	Geomysidae	GA.
2 White-eared pocket mouse	<i>Perognathus alticola alticola</i>	Heteromyidae	CA.
2 Tehachapi pocket mouse	<i>Perognathus alticola inexpectatus</i>	Heteromyidae	CA.
2 Silky pocket mouse	<i>Perognathus flavus goodpastori</i>	Heteromyidae	AZ.
2 Los Angeles pocket mouse	<i>Perognathus longicaudus brevicauda</i>	Heteromyidae	CA.
2 Pacific pocket mouse	<i>Perognathus longicaudus pacificus</i>	Heteromyidae	CA.
2 Coconino pocket mouse	<i>Perognathus aequalis aequalis</i>	Heteromyidae	AZ.
2 Yavapai pocket mouse	<i>Perognathus aequalis aequalis</i>	Heteromyidae	AZ.
2 Mupatki pocket mouse	<i>Perognathus aequalis ciberis</i>	Heteromyidae	AZ.
2 San Joaquin pocket mouse	<i>Perognathus inornatus inornatus</i>	Heteromyidae	CA.
2 Salinas pocket mouse	<i>Perognathus inornatus psammophilus</i>	Heteromyidae	CA.
2 Black Mountain pocket mouse	<i>Perognathus intermedius nigricaudus</i>	Heteromyidae	AZ.
2 Fletcher kangaroo mouse	<i>Micruidipodops megacephalus nasutus</i>	Heteromyidae	NV.
2 Desert Valley kangaroo mouse	<i>Micruidipodops megacephalus albiventer</i>	Heteromyidae	NV.
2 Dolphin Island awl-toothed kangaroo rat	<i>Dipodomys ordii cinereus</i>	Heteromyidae	UT.
2 Gunnison Island kangaroo rat	<i>Dipodomys microps alfredi</i>	Heteromyidae	UT.
2 Marble Canyon kangaroo rat	<i>Dipodomys microps leucotis</i>	Heteromyidae	AZ.
2 Dolphin Island chisel-toothed kangaroo rat	<i>Dipodomys microps russellii</i>	Heteromyidae	UT.
2 Marysville kangaroo rat	<i>Dipodomys heermanni exilis</i>	Heteromyidae	CA.
1 Stephen's kangaroo rat	<i>Dipodomys stephensi</i>	Heteromyidae	CA.
2 Big-eared kangaroo rat	<i>Dipodomys elephantinus</i>	Heteromyidae	CA.
2 Texas kangaroo rat	<i>Dipodomys elator</i>	Heteromyidae	TX.
2 Merriam's kangaroo rat	<i>Dipodomys merriami frenatus</i>	Heteromyidae	UT.
2 Short-eared kangaroo rat	<i>Dipodomys nitratoides brevicauda</i>	Heteromyidae	CA.
2 Tipton kangaroo rat	<i>Dipodomys nitratoides nitratoides</i>	Heteromyidae	CA.
2 Pine Island rice rat	<i>Oryzomys palustris planirostris</i>	Muridae	FL.
2 Sanibel Island rice rat	<i>Oryzomys palustris sanibeli</i>	Muridae	FL.
1 Silver rice rat	<i>Oryzomys argentatus</i>	Muridae	FL.
2 Chiricahua harvest mouse	<i>Reithrodontomys aequalis arizonensis</i>	Muridae	AZ.
2 Southern marsh harvest mouse	<i>Reithrodontomys aequalis linicola</i>	Muridae	CA.
2 Stansbury Island harvest mouse	<i>Reithrodontomys aequalis rarus</i>	Muridae	UT.
2 Santa Cruz harvest mouse	<i>Reithrodontomys aequalis bahiaecruzae</i>	Muridae	CA.
2 Pinacate mouse	<i>Peromyscus eremicus papagallii</i>	Muridae	AZ., Mexico.
2 Black Mountain mouse	<i>Peromyscus eremicus pullos</i>	Muridae	AZ.
1A Pallid beach mouse	<i>Peromyscus polionotus decoloratus</i>	Muridae	FL.
2 Santa Rosa beach mouse	<i>Peromyscus polionotus leucocephalus</i>	Muridae	FL.
2 Southeast beach mouse	<i>Peromyscus polionotus alviventris</i>	Muridae	FL.
2 St. Andrews beach mouse	<i>Peromyscus polionotus peninsularis</i>	Muridae	FL.
2 Anastasia beach mouse	<i>Peromyscus polionotus phaeus</i>	Muridae	FL, SC.
2 Anacapa mouse	<i>Peromyscus maniculatus anacapa</i>	Muridae	CA.
2 San Clemente mouse	<i>Peromyscus maniculatus clemensii</i>	Muridae	CA.
2 Monrovia mouse	<i>Peromyscus leucopus ansodytes</i>	Muridae	PA.
2 Fungo mouse	<i>Peromyscus leucopus casti</i>	Muridae	VA.
2 Martha's Vineyard mouse	<i>Peromyscus leucopus fuscus</i>	Muridae	MA.
2 Anastasia Island cotton mouse	<i>Peromyscus gossypinus anastasiae</i>	Muridae	FL, GA.
2 Chadwick Beach cotton mouse	<i>Peromyscus gossypinus restrictus</i>	Muridae	FL.
2 Palo Verde mouse	<i>Peromyscus comanche</i>	Muridae	TX.
2 Florida mouse	<i>Peromyscus floridanus</i>	Muridae	FL.
2 Yuma cotton rat	<i>Sigmodon hispidus eremicus</i>	Muridae	CA, AZ., Mexico.
1C Lower Keys cotton rat	<i>Sigmodon hispidus exiguus</i>	Muridae	FL.
2 Insular cotton rat	<i>Sigmodon hispidus insulicola</i>	Muridae	FL.
2 Micco cotton rat	<i>Sigmodon hispidus littoralis</i>	Muridae	FL.
2 Yavapai cotton rat	<i>Sigmodon arizonae jacksoni</i>	Muridae	AZ.
2 Colorado River cotton rat	<i>Sigmodon arizonae pinus</i>	Muridae	CA.
2 Hot Springs cotton rat	<i>Sigmodon fulvipes goldmani</i>	Muridae	NM.
2 Southern Appalachian woodrat	<i>Neotoma floridana hammondi</i>	Muridae	GA, NC, SC.
2 Eastern woodrat	<i>Neotoma floridana neotoma</i>	Muridae	AL, CT, IL, TN, KY, MD, NC, NJ, NY, OH, PA, TN, VA, WV.
2 White Sands woodrat	<i>Neotoma micropus leucophaga</i>	Muridae	NM.
2 Santa Catalina Mountains woodrat	<i>Neotoma mexicana bullata</i>	Muridae	AZ.
2 San Joaquin Valley woodrat	<i>Neotoma fuscipes riparia</i>	Muridae	CA.
2 Kentucky red-backed vole	<i>Clethrionomys gapperi asurus</i>	Muridae	KY.
2 Pysatuning red-backed vole	<i>Clethrionomys gapperi paludicola</i>	Muridae	OH, PA.
2 Kittatiny red-backed vole	<i>Clethrionomys gapperi rusticola</i>	Muridae	PA.
2 White-footed vole	<i>Arboraeus albicus</i>	Muridae	CA, OK.
2 Duke's salt marsh vole	<i>Microtus pennsylvanicus dukecambellii</i>	Muridae	FL.
2 Potholes meadow vole	<i>Microtus pennsylvanicus kincaidii</i>	Muridae	WA.
2 Black Island meadow vole	<i>Microtus pennsylvanicus proreus</i>	Muridae	RI.
2 Penobscot meadow vole	<i>Microtus pennsylvanicus chattuckii</i>	Muridae	ME.
2 Beach vole	<i>Microtus breweri</i>	Muridae	MA.
1C Arizona montane vole	<i>Microtus montanus arizonensis</i>	Muridae	AZ, NM.
2 Pahransagat Valley vole	<i>Microtus montanus fuscus</i>	Muridae	NV.

CATEGORY AND COMMON NAME	SCIENTIFIC NAME	FAMILY	RANGE
2 Ash Meadows vole	<i>Microtus montanus nevadensis</i>	Muridae	NV.
2 Virgin River montane vole	<i>Microtus montanus rivularis</i>	Muridae	UT.
2 San Pablo vole	<i>Microtus californicus sanpabloensis</i>	Muridae	CA.
2 Owens Valley vole	<i>Microtus californicus vallicola</i>	Muridae	CA.
2 Shaw Island vole	<i>Microtus townsendii pugeti</i>	Muridae	WA.
2 Anak vole	<i>Microtus oeconomus aztecensis</i>	Muridae	AK.
2 Montague vole	<i>Microtus oeconomus elymocetes</i>	Muridae	AK.
3C Graham Mountains vole	<i>Microtus longicaudus leucophaeus</i>	Muridae	AZ.
2 Southern rock vole	<i>Microtus chrotorrhinus carolinensis</i>	Muridae	NC, TN, VA, WV.
1 Hualapai Mexican vole	<i>Microtus mexicanus hualpaiensis</i>	Muridae	AZ.
2 Navaho Mountain Mexican vole	<i>Microtus mexicanus navaho</i>	Muridae	AZ, UT.
3A Louisiana vole	<i>Microtus ochrogaster ludovicianus</i>	Muridae	LA, TX.
2 Round-tailed muskrat	<i>Neofiber alleni</i>	Muridae	FL, GA.
3C Dismal Swamp bog lemming	<i>Synaptomys cooperi heliaetes</i>	Muridae	NC, VA.
2 Nebraska bog lemming	<i>Synaptomys cooperi relictus</i>	Muridae	NE.
2 Kansas bog lemming	<i>Synaptomys cooperi paludis</i>	Muridae	KS.
2 Northern bog lemming	<i>Synaptomys borealis spagnicola</i>	Muridae	ME, NH, Canada.
2 New Mexican jumping mouse	<i>Zapus hudsonius luteus</i>	Zapodidae	AZ, NM.
2 Preble's jumping mouse	<i>Zapus hudsonius preblei</i>	Zapodidae	CO, WY.
2 Point Reyes jumping mouse	<i>Zapus trinitatus orarius</i>	Zapodidae	CA.
2 Sierra Nevada fox	<i>Vulpes vulpes necator</i>	Canidae	CA, NV.
2 Swift fox	<i>Vulpes velox</i>	Canidae	CO, KS, MT, ND, NE, NM, OK, SD, TX, WY, Canada.
2 Santa Catalina fox	<i>Urocyon littoralis catalinae</i>	Canidae	CA.
2 San Clemente fox	<i>Urocyon littoralis clementae</i>	Canidae	CA.
2 San Nicolas fox	<i>Urocyon littoralis dickeyi</i>	Canidae	CA.
2 San Miguel fox	<i>Urocyon littoralis littoralis</i>	Canidae	CA.
2 Santa Cruz fox	<i>Urocyon littoralis santacruzae</i>	Canidae	CA.
2 Santa Rosa fox	<i>Urocyon littoralis santarosae</i>	Canidae	CA.
3C Glacier bear	<i>Ursus americanus raoulti</i>	Ursidae	AK.
2 Florida black bear	<i>Ursus americanus floridanus</i>	Ursidae	FL, GA.
2 Louisiana black bear	<i>Ursus americanus luteolus</i>	Ursidae	LA, MS, TX.
2 Key Vaca raccoon	<i>Procyon lotor auspiciatus</i>	Procyonidae	FL.
2 Key West raccoon	<i>Procyon lotor incautus</i>	Procyonidae	FL.
3C Eastern marten	<i>Martes americana americana</i>	Mustelidae	MA, ME, MI, ND, NH, NY, OH, PA, VT, Wt, Canada.
2 Florida long-tailed weasel	<i>Mustela frenata peninsular</i>	Mustelidae	FL.
2 Everglades mink	<i>Mustela vison evergladensis</i>	Mustelidae	FL.
2 Florida mink	<i>Mustela vison luteus</i>	Mustelidae	FL.
2 North American wolverine	<i>Gulo gulo luscus</i>	Mustelidae	CO, ID, MN, MT, ND, NV, UT, WY.
2 California wolverine	<i>Gulo gulo luteus</i>	Mustelidae	CA, OR, WA.
2 Channel Islands spotted skunk	<i>Spilogale putorius niphala</i>	Mustelidae	CA.
2 Colorado hog-nosed skunk	<i>Conepatus mesoleucus figginsi</i>	Mustelidae	CO.
2 Big Thicket hog-nosed skunk	<i>Conepatus mesoleucus texalestes</i>	Mustelidae	TX.
2 Southwestern otter	<i>Lutra canadensis sonora</i>	Mustelidae	AZ, CA, CO, NM, UT.
2 North American lynx	<i>Felis lynx canadensis</i>	Felidae	AK, CA, CO, ID, ME, MI, MN, MT, ND, NH, NV, NY, OR, UT, VT, WA, WI, WY, Canada.
2 Texas margay	<i>Felis wiedii cooperi</i>	Felidae	TX, Mexico.
2 Yuma puma	<i>Felis concolor browni</i>	Felidae	AZ, CA, Mexico.
2 Wisconsin puma	<i>Felis concolor schorgeri</i>	Felidae	IA, IL, KS, MN, MO, WI, Canada.
2 Hilton Head deer	<i>Odocoileus virginianus hiltonensis</i>	Cervidae	SC.
2 Blackbeard Island deer	<i>Odocoileus virginianus nigrirubris</i>	Cervidae	GA.
2 Bulls Island deer	<i>Odocoileus virginianus taurinus</i>	Cervidae	SC.
2 Hunting Island deer	<i>Odocoileus virginianus venatoria</i>	Cervidae	SC.
2 Woodland caribou (Montana population)	<i>Rangifer tarandus caribou</i>	Cervidae	MT.
2 California bighorn	<i>Ovis canadensis californiana</i>	Bovidae	CA, OR, WA, Canada.
2 Peninsular bighorn	<i>Ovis canadensis crenobates</i>	Bovidae	CA, Mexico.

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