



March 21, 2014

Sent via Email and Certified Mail Return Receipt Requested

Gina McCarthy, Administrator
United States Environmental Protection Agency
Ariel Rios Building
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Mail Code: 1101A
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Re: Notice of Violations of the Endangered Species Act Regarding Registration of Cyantraniliprole

On behalf of the Center for Biological Diversity, Center for Food Safety and Defenders of Wildlife, we hereby provide notice, pursuant to section 11(g) of the Endangered Species Act (“ESA”), 16 U.S.C. §1540(g)(2)(A)(i), that the United States Environmental Protection Agency (“EPA”) is in violation of the ESA.

The Center for Biological Diversity (“Center”) is a non-profit, public interest corporation with approximately 50,000 members and offices in Washington, D.C. and elsewhere in the United States. The Center and its members are dedicated to protecting diverse native species and habitats through science, policy, education, and environmental law. Recognizing that pesticides are one of the foremost threats to the earth’s environment, biodiversity, and public health, the Center works to prevent and reduce the use of harmful pesticides and to promote sound conservation strategies.

The Center for Food Safety (“CFS”) is a nonprofit, public interest organization with over 450,000 members and offices in Washington, DC, San Francisco, California, and Portland, Oregon. CFS and its members are dedicated to protecting public health and the environment by curbing the use of harmful food production technologies and instead promoting sustainable alternatives. CFS’s pesticides campaign is a multi-faceted approach utilizing legal, scientific, and policy mechanisms to protect our environment and food.

Defenders of Wildlife is a nonprofit environmental organization with nearly one million total members and supporters. Defenders is dedicated to the protection of native wild animals and plants in their natural communities and advocates for new approaches to wildlife conservation that will help keep species from becoming endangered. Defenders’ programs encourage protection of entire ecosystems and species that serve as indicators of ecosystem health. Defenders works to protect imperiled wildlife from all threats to their survival and recovery, including the use of harmful pesticides.

EPA has violated the ESA's Section 7 consultation requirement regarding its discretionary decision to register the new active ingredient cyantraniliprole, as well as approve 14 end-use product/labels containing cyantraniliprole and even more-toxic cyantraniliprole-thiamethoxam product mixtures. EPA's failure to consult with the U.S. Fish and Wildlife Service ("FWS") and National Marine Fisheries Service ("NMFS") (collectively "the Services") is particularly egregious given that EPA's own risk assessment identified 1,377 listed species that may overlap with the potential use areas of cyantraniliprole,¹ and because EPA found cyantraniliprole is toxic to several taxonomic groups.²

In addition to its failure to consult, EPA's registration of cyantraniliprole, and its approval of labels for products containing cyantraniliprole, jeopardizes listed species and adversely modifies critical habitat. The EPA's ecological risk assessment for cyantraniliprole indicates that substantial habitat buffers may be required to protect listed species and their critical habitat from adverse effects. Yet EPA unilaterally approved labels that contain inadequate buffers and otherwise lack restrictions needed to prevent harm to listed species, which will lead to adverse effects on listed species and their critical habitat thereby violating the agency's ESA duty to prevent jeopardy and adverse modification of critical habitat.

Finally, EPA is in violation of Section 9 of the ESA for the "take" of listed species which is resultant from cyantraniliprole as well as the 14 end-use products containing cyantraniliprole and even more-toxic cyantraniliprole-thiamethoxam product mixtures.

LEGAL BACKGROUND

A. The Endangered Species Act

The ESA was enacted, in part, to provide a "means whereby the ecosystems upon which endangered species and threatened species depend may be conserved...[and] a program for the conservation of such endangered species and threatened species...."³

The ESA vests primary responsibility for administering and enforcing the statute with the Secretaries of Commerce and Interior. The Secretaries of Commerce and Interior have delegated this responsibility to the NMFS and the FWS respectively.⁴

Section 2(c) of the ESA establishes that it is "the policy of Congress that all Federal departments and agencies shall seek to conserve endangered species and threatened species and shall utilize their authorities in furtherance of the purposes of this Act."⁵ The ESA defines "conservation" to mean "the use of all methods and procedures which are necessary to bring any endangered

1 EPA. 2013. ENVIRONMENTAL FATE AND ECOLOGICAL RISK ASSESSMENT FOR THE REGISTRATION OF THE NEW CHEMICAL CYANTRANILIPROLE – AMENDED at 151 (hereafter "CYANTRANILIPROLE RISK ASSESSMENT"). Office of Pesticide Programs Environmental Fate and Effects Division. Docket #: EPA-HQ-OPP-2011-0668-0008.

2 CYANTRANILIPROLE RISK ASSESSMENT at 5.

3 16 U.S.C. §§ 1531-1544; 16 U.S.C. § 1531(b)

4 50 C.F.R. § 402.01(b)

5 16 U.S.C. § 1531(c)(1)

species or threatened species to the point at which the measures provided pursuant to this Act are no longer necessary.”⁶ Similarly, Section 7(a)(1) of the ESA directs that the Secretary review “...other programs administered by him and utilize such programs in furtherance of the purposes of the Act.”⁷

In order to fulfill the substantive purposes of the ESA, federal agencies are required to engage in consultation with FWS (and/or NMFS) to “insure that any action authorized, funded, or carried out by such agency . . . is not likely to jeopardize the continued existence of any endangered species or threatened species or result in the adverse modification of habitat of such species . . . determined . . . to be critical”⁸

Section 7 consultation is required for “any action [that] may affect listed species or critical habitat.”⁹ Agency “action” is broadly defined in the ESA’s implementing regulations to include “(b) the promulgation of regulations; (c) the granting of licenses, contracts, leases, easements, rights-of-way, permits, or grants-in-aid; or (d) actions directly or indirectly causing modifications to the land, water, or air.”¹⁰

At the completion of consultation, FWS or NMFS issues a biological opinion that determines if the agency action is likely to jeopardize the species. If so, the opinion may specify reasonable and prudent alternatives that will avoid jeopardy and allow the agency to proceed with the action.¹¹ FWS and NMFS may also “suggest modifications” to the action (called reasonable and prudent measures) during the course of consultation to “avoid the likelihood of adverse effects” to the listed species even when not necessary to avoid jeopardy.¹²

Section 7(d) of the ESA, provides that once a federal agency initiates consultation on an action under the ESA, the agency, as well as any applicant for a federal permit, “shall not make any irreversible or irretrievable commitment of resources with respect to the agency action which has the effect of foreclosing the formulation or implementation of any reasonable and prudent alternative measures which would not violate subsection (a)(2) of this section.”¹³ The purpose of Section 7(d) is to maintain the environmental status quo pending the completion of consultation. Section 7(d) prohibitions remain in effect throughout the consultation period and until the federal agency has satisfied its obligations under Section 7(a)(2) that the action will not result in jeopardy to the species or adverse modification of its critical habitat.

Section 9 of the ESA prohibits any person, including federal agencies, from taking any endangered or threatened species.¹⁴ The term “take” is defined broadly to include “harass, harm, pursue, hunt, shoot, wound, trap, kill, capture, or collect, or to attempt to engage in any such

6 16 U.S.C. § 1532(3)

7 16 U.S.C. § 1536(a)(1)

8 16 U.S.C. § 1536(a)(2) (“Section 7 consultation”)

9 50 C.F.R. § 402.14

10 50 C.F.R. § 402.02

11 16 U.S.C. § 1536(b)

12 50 C.F.R. § 402.13

13 16 U.S.C. § 1536(d)

¹⁴ 16 U.S.C. § 1538(a)(1)(B); 50 C.F.R. § 17.21(c)

conduct.”¹⁵ “Harm” is further defined as “an act which actually kills or injures wildlife. Such act may include significant habitat modification or degradation where it actually kills or injures wildlife by significantly impairing essential behavioral patterns, including breeding, feeding or sheltering.”¹⁶ Thus, an action which indirectly (e.g. habitat modification) or directly causes a decline in the population of an endangered species harms that species. Additionally, any action that precludes the recovery of an endangered species also falls within the meaning of harm.

Federal agencies may be limitedly exempt from the take prohibition through the issuance of an Incidental Take Statement (“ITS”) as part of a Biological Opinion.¹⁷ The ITS must identify the expected impacts of the authorized take, the reasonable and prudent measures necessary to minimize those impacts, and the terms and conditions that the agency must comply with to adequately implement those measures.¹⁸

B. The Federal Insecticide, Fungicide, and Rodenticide Act

Congress enacted the Federal Insecticide, Fungicide, and Rodenticide Act (“FIFRA”) to regulate the use of pesticides in the United States.¹⁹ FIFRA charges EPA with registering, reviewing, amending, and reregistering chemicals and chemical formulations for use as insecticides, fungicides, and pesticides in the United States.²⁰ Under FIFRA, a pesticide generally may not be sold or used in the United States unless it has an EPA registration for that particular use.²¹

EPA may register a pesticide if it makes the following determinations: (1) the labeling complies with FIFRA’s requirements; (2) the composition claims are warranted; (3) the pesticide will perform its intended function; and (4) the pesticide will not cause unreasonable adverse effects on the environment.²² The culmination of the registration process is EPA’s approval of a label for the particular pesticide. FIFRA makes it unlawful to use a pesticide in a manner inconsistent with the label,²³ or to make any claims that differ substantially from the label.²⁴ The ESA’s Section 7 requirements apply to EPA’s discretionary registration of pesticides under FIFRA, and its actions in exercising its continuing authority over pesticide regulation.²⁵

¹⁵ 16 U.S.C. § 1532(19); 50 C.F.R. § 17.3

¹⁶ 50 C.F.R. § 17.3

¹⁷ 16 U.S.C. § 1536(o)(2); 50 C.F.R. § 402.14(i)(5)

¹⁸ 16 U.S.C. § 1536(b)(4); 50 C.F.R. § 402.14(i)(1)(i)-(v)

¹⁹ See 7 U.S.C. §§ 136-136y

²⁰ *Id.*

²¹ 7 U.S.C. § 136a(a)

²² 7 U.S.C. § 136a(c)(5)

²³ *Id.* at § 136j(2)(G)

²⁴ *Id.* at § 136j(1)(B)

²⁵ *Wash. Toxics Coalition v. EPA*, 413 F.3d 1024, 1032 (9th Cir. 2005) (“We agree with the Eighth Circuit that even though EPA registers pesticides under FIFRA, it must also comply with the ESA when threatened or endangered species are affected.”); *Defenders of Wildlife v. Administration*, 882 F.2d 1294 (8th Cir. 1989) (affirming section 7’s application to EPA’s registration of pesticides).

FACTUAL BACKGROUND

A. Cyantraniliprole Overview

Cyantraniliprole is a systemic insecticide belonging to the diamide class of pesticides. Cyantraniliprole works by binding with insect ryanodine receptors, which leads to unregulated activation of ryanodine receptor. Insects exposed to cyantraniliprole “first exhibit lethargy, followed by muscle paralysis, and then death.”²⁶

Cyantraniliprole has a wide variety of uses, including both agricultural and non-agricultural applications, and can be applied from a variety of applicator methods: foliar spray, micro sprinkler chemigation, bark spray, drip chemigation, soil drench, soil treatment, seed treatment, seed piece treatment, and bait.²⁷

As a systemic insecticide, translocation of cyantraniliprole through the xylem and phloem results in expression of the chemical throughout exposed plants, resulting in multiple routes of exposure for various non-target organisms, including mammals, fish, invertebrates and plants.²⁸

Cyantraniliprole biodegradation proceeds more slowly in aerobic conditions than anaerobic conditions, suggesting that it could be fairly persistent in the agricultural environment and adjacent ecosystems.²⁹ Degradation times in soils and sediments reached 89 and 25 days, respectively, showing an extended period of activity after application.³⁰ When the total toxic residues were calculated (including degradates), a range from 88 to 1327 days was identified.³¹ Cyantraniliprole is also characterized as moderately mobile, meaning that it can move off-site and affect nearby terrestrial and aquatic ecosystems.³² Some of the degradates of cyantraniliprole are more persistent and mobile than the parent compound, a concern for ecological effects as some may be more toxic than the parent and may accumulate over time.³³

B. EPA’s Approval of Cyantraniliprole

On February 29, 2012, EPA published a notice in the Federal Register that it had received applications for new pesticide ingredients pursuant to Section 3(c)(4) of FIFRA and announced the opening of 11 new dockets including a docket for Cyantraniliprole (Docket #: EPA-HQ-OPP-2011-0668).³⁴ On May 23, 2012, EPA published a notice in the Federal Register that it had received applications for residues of pesticide chemicals (“tolerances”) for 11 new pesticide

26 CYANTRANILIPROLE RISK ASSESSMENT at 9.

27 CYANTRANILIPROLE RISK ASSESSMENT at 4.

28 CYANTRANILIPROLE RISK ASSESSMENT at 4, 147.

29 CYANTRANILIPROLE RISK ASSESSMENT at 4.

30 CYANTRANILIPROLE RISK ASSESSMENT at 21-22.

31 CYANTRANILIPROLE RISK ASSESSMENT at 25.

32 CYANTRANILIPROLE RISK ASSESSMENT at 4.

33 *Id.*

34 *Pesticide Products; Registration Applications*, 77 Fed. Reg. 12295 (Feb. 29, 2012).

tolerances and 7 amended tolerances for existing pesticide formulations, including cyantraniliprole.³⁵

Rather than providing public notice and comment through the Federal Register, all subsequent decisions and announcements regarding registration of cyantraniliprole were posted to the docket on Regulations.gov. On June 6, 2013, EPA posted an announcement to Regulations.gov stating its intention to register cyantraniliprole nationwide and provided the public with 30 days to submit comments on the registration (see Appendix A). EPA extended the public comment period by an additional 8 days, which was also announced on the cyantraniliprole docket. EPA received comments from 18 parties: 6 supporting registration and 12 opposing registration.

On January 24th, 2014, Stephen Bradbury, Director of the Office of Pesticides Program, approved the registration of cyantraniliprole as a new active ingredient (see Appendix B). As of March 20, 2014, the following products and their labels have been approved and posted to EPA's Pesticide Product Label System.³⁶

Product Name	Product Number	Date Approved	Active Ingredient %
Cyazypyr	358-856	1/24/2014	Cyantraniliprole - 96.7%
Exirel	352-859	1/24/2014	Cyantraniliprole - 10.2%
Verimark	352-860	1/28/2014	Cyantraniliprole - 18.6%
Benevia	352-857	1/30/2014	Cyantraniliprole - 10.2%
HGW86 Fly Control Bait	352-862	1/30/2014	Cyantraniliprole - 18.6%
Lumiderm Insecticide	352-858	1/30/2014	Cyantraniliprole - 50%
Fortenza Red Insecticide	100-1418	1/30/2014	Cyantraniliprole - 48.8%
Fortenza Insecticide	100-1420	1/30/2014	Cyantraniliprole - 48.8%
Minecto Duo Insecticide	100-1421	2/6/2014	Cyantraniliprole - 20%; Thiamethoxam - 20%
A16901B Ornamental	100-1422	2/7/2014	Cyantraniliprole - 20%; Thiamethoxam - 20%
A16901B Residential	100-1423	2/7/2014	Cyantraniliprole - 20%; Thiamethoxam - 20%
Spinner Insecticide	100-1424	2/7/2014	Cyantraniliprole - 20%; Thiamethoxam - 20%
HGW86 T&O Insect Control	352-865	2/18/2014	Cyantraniliprole - 18.6%
HGW86 G&H Insect Control	352-863	2/20/2014	Cyantraniliprole - 0.5%

C. Cyantraniliprole's Risks to Listed Species

EPA's own ecological risk assessment demonstrates that cyantraniliprole will cause both acute and chronic adverse effects on a wide variety of listed species:

The results of this screening-level risk assessment indicate that the proposed cyantraniliprole uses have the potential for direct adverse effects to listed and

³⁵ *Receipt of Several Pesticide Petitions Filed for Residues of Pesticide Chemicals in or on Various Commodities*, 77 Fed. Reg. 30481 (May 23, 2012). On February 5, 2014, EPA announced a final rule on tolerances for cyantraniliprole. 79 Fed. Reg. 6826 (Feb. 5, 2014).

³⁶ label for HGW86 SC Insect Control, #352-868 is not available yet on EPA's PPLS website.

non-listed mammals (chronic), freshwater invertebrates (acute), terrestrial invertebrates, estuarine/marine invertebrates (acute) and benthic invertebrates (acute and chronic).³⁷

Direct effects to listed terrestrial monocots also cannot be precluded because of an absence of data. This indicates a potential risk for direct adverse effects to federally listed aquatic invertebrates, terrestrial invertebrates, terrestrial monocots, and mammals and indirect adverse effects to any listed species that rely on these taxa as resources critical to their life cycle.³⁸

While it is clear that fish, terrestrial invertebrates, and aquatic invertebrates are at most direct risk from cyantraniliprole, the EPA risk assessment concludes that acute and chronic harm (which includes potential harm to designated critical habitat) will occur for nearly all taxonomic groups that are represented on the list of threatened and endangered species:³⁹

Listed Taxon	Direct Effects	Indirect Effects
Terrestrial and semi-aquatic plants – monocots	Yes	Yes
Terrestrial and semi-aquatic plants – dicots	No	Yes
Terrestrial invertebrates	Yes (acute)	Yes
Birds	No	Yes
Terrestrial-phase amphibians	No	Yes
Reptiles	No	Yes
Mammals	Yes (chronic)	Yes
Aquatic plants	No	Yes
Freshwater fish	No	Yes
Aquatic-phase amphibians	No	Yes
Freshwater invertebrates	Yes (acute)	Yes
Benthic invertebrates	Yes (acute and chronic)	Yes
Marine/estuarine fish	Yes (chronic)	Yes
Marine/estuarine invertebrates	Yes (acute)	Yes

Because cyantraniliprole has been approved for industrial, residential, and agricultural uses across the nation, the list of species that will be adversely affected is large. In fact, EPA’s database, LOCATES, completed an initial screening of listed species that would overlap with cyantraniliprole use areas and concluded as follows:

LOCATES identified a total of 1377 listed species that overlap at the county-level with areas where cyantraniliprole is proposed to be used (see Appendix I for a complete species list). This preliminary analysis indicates that there is a potential for cyantraniliprole use to overlap with listed species and that a more

37 CYANTRANILIPROLE RISK ASSESSMENT at 5.

38 CYANTRANILIPROLE RISK ASSESSMENT at 143.

39 CYANTRANILIPROLE RISK ASSESSMENT at 149.

refined assessment is warranted. The more refined assessment should involve clear delineation of the action area associated with proposed uses of cyantraniliprole and best available information on the temporal and spatial co-location of listed species with respect to the action area.⁴⁰

Despite the clear need for this refined assessment, EPA merely stated “This analysis has not been conducted for this assessment.”⁴¹ Appendix C contains the results from the LOCATES analysis.

The EPA ecological risk assessment for cyantraniliprole also indicates that substantial habitat buffers may be required to protect critical habitat and listed species from adverse effects. Specifically, the ecological risk assessment concludes that “[f]or freshwater invertebrate exposures, acute listed species buffers range from 0 to 197 ft (TGAI) and 0 to >1000 ft (TEP).”⁴² The analysis also determined that the cyantraniliprole-thiamethoxam mixture will require larger buffers (over 1000 ft) than cyantraniliprole-only products.⁴³ Yet, EPA’s label restrictions require only a 25 foot buffer for ground applications and a 50 foot buffer for aerial applications.⁴⁴ These buffers are far lower than what EPA’s risk assessment concludes is needed to keep exposure below Levels of Concern (“LOCs”), which “are used to indicate when a pesticide use as directed on the label has the potential to cause adverse effects on non-target organisms.”⁴⁵

D. Increased Risk from Cyantraniliprole-Thiamethoxam Mixtures

Thiamethoxam is a neonicotinoid insecticide that acts on target pests by interfering with the nicotinic acetylcholine receptor.⁴⁶ Thiamethoxam was first registered in the United States in 1999 as under Section 18 of FIFRA as an emergency exemption use on canola seed in North Dakota and again in Missouri as an emergency exemption in early 2000.⁴⁷ Thiamethoxam received full registration in 2000 for use on cucurbit vegetables, pome fruit, tomatoes, eggplant, peppers, tobacco, celery, lettuce, spinach, cole crops, sorghum, wheat, and ornamental turf. Initial EPA risk assessments identified potential risks to “aquatic invertebrates, birds, mammals, terrestrial invertebrates, and terrestrial plants (in the absence of data).”⁴⁸

40 CYANTRANILIPROLE RISK ASSESSMENT at 151

41 *Id.*

42 *Id.* at 147; TGAI = technical grade active ingredient. TEP = Typical End Use Product.

43 *Id.*

44 EPA, 2014. RESPONSE TO PUBLIC COMMENTS ON EPA’S “PROPOSED REGISTRATION OF THE NEW ACTIVE INGREDIENT CYANTRANILIPROLE: AN INSECTICIDE FOR USE ON MULTIPLE COMMODITIES, ORNAMENTALS, TURFGRASS, AND IN COMMERCIAL OR RESIDENTIAL BUILDINGS at 44. Docket #: EPA-HQ-OPP-2011-0668-0058

45 U.S. Environmental Protection Agency Office of Pesticides Program. 2004. OVERVIEW OF THE ECOLOGICAL RISK ASSESSMENT PROCESS: ENDANGERED AND THREATENED SPECIES EFFECTS DETERMINATIONS (hereafter “ECOLOGICAL RISK ASSESSMENT PROCESS”) (emphasis added). Available at:

<http://www.epa.gov/espp/consultation/ecorisk-overview.pdf>

46 EPA, 2011. PROBLEM FORMULATION FOR THE ENVIRONMENTAL FATE, ECOLOGICAL RISK, ENDANGERED SPECIES, AND DRINKING WATER EXPOSURE ASSESSMENTS IN SUPPORT OF THE REGISTRATION REVIEW OF THIAMETHOXAM at 3. Docket #: EPA-HQ-OPP-2011-0581-0003.

47 *Id.* at 3.

48 *Id.* at 4.

Thiamethoxam has the potential to cause both acute and/or chronic impacts to a variety of endangered species. Despite these risks, EPA “has not conducted a risk assessment that supports a complete endangered species determination for thiamethoxam.”⁴⁹

DuPont, the registrant of cyantraniliprole, proposed several product labels with a mixture of cyantraniliprole, thiamethoxam, and other ingredients at a mixture ratio of 20.0% cyantraniliprole, 20.0% thiamethoxam and Other Ingredients 60.0%.⁵⁰ EPA conducted a specific risk assessment of this mixture and concluded that “the typical end-use products with thiamethoxam are also modeled because they presented more sensitive toxicity values than their technical-grade counterparts.”⁵¹ In other words, this mixture of these two pesticides is more dangerous than the pure, technical grade active ingredient in isolation. EPA’s own initial analysis determined that “cyantraniliprole-thiamethoxam mixture would require buffer in excess of 1000 ft *for all uses*.”⁵² Despite the clearly higher-toxicity of this mixture, EPA did not conduct any additional species-specific analysis for listed species and imposed no labels-specific restrictions with respect to this mixture.

ESA VIOLATIONS

Consultation under Section 7 of the ESA is required whenever a discretionary agency action “may affect” any listed species or its critical habitat.⁵³ EPA’s risk assessment makes clear that the “may affect” threshold is met for over 1000 species that could be harmed by cyantraniliprole and its end-use products, including those co-formulated with thiamethoxam. Accordingly, EPA is required to initiate consultation to ensure that the registration of cyantraniliprole and its approved products will not jeopardize any listed species or adversely modify critical habitat. EPA’s refusal to initiate consultation prior to approving this new pesticide and its associated products violates EPA’s Section 7 duty to consult under the ESA.

Moreover, after concluding that the nationwide registration of cyantraniliprole could affect listed species nationwide, after concluding that this pesticide is toxic to several taxonomic groups, and after failing to consult with the Services on this registration, EPA has proposed inadequate buffers, inadequate use restrictions, and virtually no meaningful conservation measures to protect listed species. As such, EPA’s registration of cyantraniliprole and its associated end-use products/labels violates EPA’s Section 7 duty to avoid jeopardizing the continued existence of any endangered species or threatened species, and to avoid the destruction or adverse modification of critical habitat of listed species.

Simply put, EPA’s own risk assessment establishes that use of cyantraniliprole may affect hundreds of listed species or adversely modify critical habitat. EPA must satisfy its duty to avoid

49 EPA, 2011. Thiamethoxam Summary Document Registration Review: Initial Docket December 2011, Docket #: EPA-HQ-OPP-2011-0581-0002.

50 See, e.g. A16901B CP Product Label, Docket #: EPA-HQ-OPP-2011-0668-0016

51 CYANTRANILIPROLE RISK ASSESSMENT at 150.

52 CYANTRANILIPROLE RISK ASSESSMENT at 150 (emphasis added).

53 16 U.S.C. § 1536(a)(2); 50 C.F.R. § 402.14(a) (“Each Federal agency shall review its actions at the earliest possible time to determine whether any action may affect listed species or critical habitat. If such a determination is made, formal consultation is required...”); see *Wash. Toxics Coalition v. EPA*, 413 F.3d 1024, 1032 (9th Cir. 2005); *Defenders of Wildlife v. Administration*, 882 F.2d 1294 (8th Cir. 1989).

jeopardizing listed species, or adversely modifying their critical habitat, by initiating the consultation process for its actions in registering cyantraniliprole and its end-use products.

Section 9 of the ESA prohibits any person, including federal agencies, from taking any endangered or threatened species. Federal agencies may be limitedly exempt from the take prohibition through the issuance of an Incidental Take Statement as part of an ESA section 7 Biological Opinion. As discussed above, registration of cyantraniliprole and its products is a federal action that can cause the take of listed species due to the chemical's ability to harm and/or kill listed species. Consequently, in order to achieve safe harbor from ESA take liability in regard to cyantraniliprole, EPA must have written authorization from FWS and/or NMFS in the form of an ITS. Because EPA has thus far failed to even initiate consultation as to cyantraniliprole, it does not possess an ITS from the wildlife agencies and is therefore in violation of not only section 7 of the ESA, but also section 9 of the ESA.

CONCLUSION

If EPA does not act within 60 days to correct the violations described in this letter, we will pursue litigation against EPA. If you have any questions, or would like to discuss, please contact us.

Sincerely,



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APPENDIX A

Posting an FDMS Docket without a Federal Register Notice

MEMORANDUM

SUBJECT: Posting EPA-HQ-OPP-2011-0668 to Regulations.gov for Public Access

FROM: Thomas Harris
RD

TH Harris 5/20/2013

Thru: Lois Rossi
Division Director
RD

*Lois Rossi
5/13/13*

This memorandum authorizes the posting of EPA-HQ-OPP-2011-0668 to Regulations.gov for public access.

The Agency is proposing to register the new active ingredient, cyantraniliprole, an insecticide formulated as a technical product and fourteen end use products. The proposed uses for cyantraniliprole include:

Agricultural crops

bushberry (subgroup 13-07B);
fruit, citrus (group 10-10);
fruit, pome (group 11-10);
fruit, stone (group 12-12);
nut, tree (group 14-12);
oilseed (group 20);
vegetable, Brassica leafy (group 5);
vegetable, bulb (group 3-07);
vegetable, cucurbit (group 9);
vegetable, fruiting (group 8-10);
vegetable, leafy (except Brassica) (group 4)
vegetable, tuberous and corm (subgroup 1C)

Ornamentals and turf

ornamental plants, shrubs, trees in and around greenhouses, nurseries, lath- and shade-houses, and interior landscapes
landscape and recreational turfgrass (including golf courses)
sod farms

Structures and equipment

in and around agricultural, commercial, and residential structures (excluding food/feed handling establishments)
transportation equipment

This document will be open for public comment from 6/6/2013 to 7/6/2013.

Submit your comments, identified by Docket ID No. EPA-HQ-OPP-2011-0668, by one of the following methods:

- www.regulations.gov: Follow the on-line instructions for submitting comments.
- Mail: OPP Docket, Environmental Protection Agency Docket Center (EPA/DC), (28221T), 1200 Pennsylvania Ave., NW., Washington, DC 20460-0001.
- Hand Delivery: Office of Pesticide Programs Regulatory Public Docket (OPP Docket) in the Environmental Protection Agency Docket Center (EPA/DC), EPA West Bldg., Rm. 3334, 1301 Constitution Ave., NW., Washington, DC 20460-0001. The Public Reading Room is open from 8:30 a.m. to 4:30 p.m., Monday through Friday, excluding legal holidays. The telephone number for the Public Reading Room is (202) 566-1744, and the telephone number for the OPP Docket is (703) 305-5805.

EPA's policy is that all comments received will be included in the public docket without change and may be made available online at <http://www.regulations.gov>, including any personal information provided, unless the comment includes information claimed to be Confidential Business Information (CBI) or other information whose disclosure is restricted by statute. Do not submit information that you consider to be CBI or otherwise protected through <http://www.regulations.gov> or e-mail.

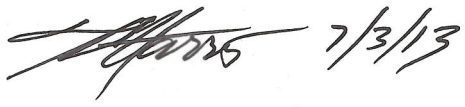
The <http://www.regulations.gov> Web site is an "anonymous access" system, which means EPA will not know your identity or contact information unless you provide it in the body of your comment. If you send an e-mail comment directly to EPA without going through <http://www.regulations.gov>, your e-mail address will be automatically captured and included as part of the comment that is placed in the public docket and made available on the Internet. If you submit an electronic comment, EPA recommends that you include your name and other contact information in the body of your comment and with any disk or CD-ROM you submit. If EPA cannot read your comment due to technical difficulties and cannot contact you for clarification, EPA may not be able to consider your comment. Electronic files should avoid the use of special characters, avoid any form of encryption, and be free of any defects or viruses. For additional information about EPA's public docket, visit the EPA Docket Center homepage at <http://www.epa.gov/epahome/dockets.htm>.

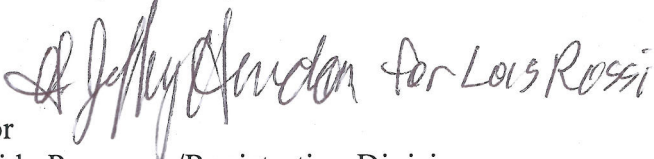
Should you have any questions regarding this memorandum, please contact Thomas Harris at 703-308-9423, or via email at harris.thomas@epa.gov.

Posting an FDMS Docket without a Federal Register Notice

MEMORANDUM

SUBJECT: Extension of Public Comment Period to 7/14/13
EPA-HQ-OPP-2011-0668, Proposed Decision Document for Cyantraniliprole

FROM: Thomas C. Harris  7/3/13
Biologist
Office of Pesticide Programs/Registration Division

Thru: Lois Rossi  7/3/13
Division Director
Office of Pesticide Programs/Registration Division

EPA has decided to extend the public comment period for the cyantraniliprole proposed Decision Document (see EPA-HQ-OPP-2011-0668) by a week. The comment period was due to close on July 6 but given the short work week which includes the Independence Day holiday and EPA furloughs due to Sequestration, the public comment period will now close on Sunday, July 14, 2013.

See the initial June 6, 2013 Notice in the Docket regarding the cyantraniliprole proposed Decision Document for more details on how to submit comments.

Should you have any questions regarding this memorandum, please contact Thomas Harris at 703-308-9423, or via email at harris.thomas@epa.gov.

APPENDIX B



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Washington, D.C. 20460

JAN 24 2014

OFFICE OF
CHEMICAL SAFETY AND
POLLUTION PREVENTION

DECISION MEMORANDUM

SUBJECT: Registration of the new active ingredient, cyantraniliprole

FROM: Lois Rossi, Director
Registration Division

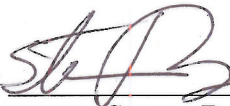
TO: Steven Bradbury, PhD., Director
Office of Pesticide Programs

This memorandum recommends that you concur on the registration of the new active ingredient cyantraniliprole. A summary of the human health and ecological risks are included in the attached Registration Decision Document. The Science Divisions have reviewed all available data and the Registration Division has concluded that the criteria for registration under FIFRA Section 3(c)(5) have been met.

RECOMMENDATIONS

I recommend for the registration the new active ingredient, cyantraniliprole under FIFRA Section 3(c)(5).

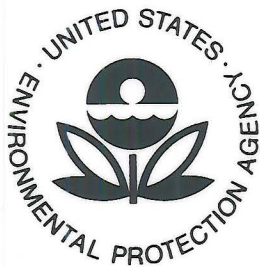
Concur: _____


Steven Bradbury, PhD., Director
Office of Pesticide Programs

Nonconcur: _____

Steven Bradbury, PhD., Director
Office of Pesticide Programs

Attachment: Registration Decision Document and Response to Comments Document



Registration of the New Active Ingredient Cyantraniliprole

An Insecticide for Use on Multiple Commodities, Ornamentals, Turfgrass, and in Commercial or Residential Buildings

Approved by:

Steven P. Bradbury, Director
Office of Pesticide Programs

Date:

1/24/14

Registration of the New Active Ingredient Cyantraniliprole

Summary of the Regulatory Decision

The Agency is granting an unconditional registration under section 3(c)(5) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) of the new active ingredient cyantraniliprole formulated as a technical product and fourteen end-use products. The registered uses for this new insecticide include agricultural crops (bushberry (subgroup 13-07B), citrus (group 10-10), pome fruit (group 11-10), stone fruit (group 12-12), tree nuts (group 14-12), oilseed (group 20), Brassica, Cole and leafy vegetables (group 5), bulb vegetables (group 3-07) cucurbits (group 9), fruiting vegetables (group 8-10), leafy vegetables (except Brassica) (group 4), and tuberous and corm vegetables (subgroup 1C)), ornamentals and turf (ornamental plants, shrubs, trees in and around greenhouses, nurseries, lath- and shade-houses, and interior plantscapes, landscape and recreational turfgrass (including golf courses), and sod farms), as well as structures and equipment (in and around agricultural, commercial, and residential structures (excluding food/feed handling establishments), and transportation equipment.

Product formulations include liquid, granular, and granular bait. Methods of application include broadcast sprays for aerial and ground applications, soil drench, chemigation, and seed treatment. Maximum single application rates are 0.4 lb. a.i./A for liquid, granular, or seed treatments. The maximum annual application rate is 0.4 lb. a.i./A/year for all application methods.

The Agency's Reduced Risk Committee approved cyantraniliprole as a "reduced risk" candidate for the proposed uses. Based on the committee's evaluation of the information provided, the mammalian toxicity and ecotoxicity risk profiles for cyantraniliprole are favorable compared to registered alternatives, which include organophosphates, pyrethroids, carbamates and neonicotinoids. The novel mode of action for cyantraniliprole fits in well with resistance management strategies.

The evaluation of cyantraniliprole was conducted as a "Global Joint Review" project. EPA scientists worked in collaboration with their colleagues in the Regulatory Authorities of France, the United Kingdom, Canada, and Australia. In the course of this analysis, the agencies considered a robust database that included over 800 studies. Scientists in each partnering authority conducted primary reviews, peer reviewed evaluations conducted by their counterparts and participated in technical committee meetings to coordinate and harmonize scientific conclusions.

After review and consideration of all of the data provided by the 800+ studies, the determinations made by the multiple scientists involved in the project, and the outcome of the human health and ecological risk assessments, the Agency supports the decision of its Reduced Risk Committee; cyantraniliprole is therefore classified as a Reduced Risk Pesticide.

Cyantraniliprole is a broad spectrum insecticide, with activity on a wide variety of target pests. While it is the third compound registered in the Insecticide Resistance Action Committee (IRAC) Mode of Action Classification Group 28, ryanodine receptor modulators, it has a broader spectrum of activity than the other two compounds. It is expected to fit well in IPM programs.

I. Chemical Information

Chemical Name: cyantraniliprole, 3-bromo-1-(3-chloro-2-pyridinyl)-*N*-[4-cyano-2-methyl-6-[(methylamino)carbonyl]phenyl]-1*H*-pyrazole-5-carboxamide

EPA PC Code: 090098

Chemical Abstracts Service (CAS) Number: 736994-63-1

IRAC MoA Classification: Group 28 - Ryanodine receptor modulators

Mode of Action: Insecticide Resistance Action Committee (IRAC) Mode of Action Classification Group 28: ryanodine receptor modulators (RyR). The mode of action is through unregulated activation of insect RyR channels leading to internal calcium store depletion and impaired regulation of muscle contraction, causing paralysis and eventual death.

Registrants: E.I. du Pont de Nemours & Company and Syngenta Crop Protection

II. Human Health Risk

A summary of the human health effects and risk of cyantraniliprole as assessed in the Agency document entitled "Cyantraniliprole. Aggregate Human Health Risk Assessment for the Proposed New Uses of the New Active Insecticide, including Agricultural Uses on Brassica (Cole) Leafy Vegetables (Group 5), Bulb Vegetables (Group 3-07), Bushberries (Group 13-07B), Citrus Fruit (Group 10-10), Cotton, Cucurbit Vegetables (Group 9), Fruiting Vegetables (Group 8-10), Leafy Vegetables (non-Brassica) (Group 4), Oilseeds (Group 20), Pome Fruits (Group 11-10), Stone Fruits (Group 12), Tree Nuts (Group 14), Tuberous and Corm Vegetables (Subgroup 1C); Seed Treatment Uses on Canola (Rapeseed), Mustard Seed, Sunflowers, and Potatoes; and Residential, Commercial, and Agricultural Uses on Ornamentals, Turfgrass (including Sod Farms and Golf Courses), and Structural Buildings (including Indoor Crack/Crevice and Outdoor Broadcast)" is provided below.

A. Summary of Toxicological Effects

Cyantraniliprole is a second-generation ryanodine receptor (RyR) insecticide belonging to the diamide class of chemistry whose pesticidal mode of action (MOA) is through unregulated activation of insect RyR channels. This leads to internal calcium store depletion and impaired regulation of muscle contraction, causing paralysis and eventual death of the insect. Mammalian RyR are shown to be 350 to >2500 times less sensitive than those of insects. In general, cyantraniliprole administration in mammals produces both adverse and adaptive changes in the liver, thyroid gland, and adrenal cortex. With repeated dosing, consistent findings of mild to moderate increases in liver weights across multiple species (rats, mice, dogs) are observed. Dogs appear to be more sensitive than rats and mice; cyantraniliprole produces adverse liver effects (increases in alkaline phosphatase, decreases in cholesterol, and decreases in albumin) in dogs at lower dose levels than in rats. In addition, the liver effects in the dog show progressive severity with increased duration of exposure. The available data also show thyroid hormone homeostasis is altered in rats following exposure to cyantraniliprole after 28 or 90 days due to enhanced metabolism of the thyroid hormones by the liver. However, cyantraniliprole is not a direct thyroid toxicant. Cyantraniliprole is classified as "Not Likely to be Carcinogenic to Humans" based on the absence of increased tumor incidence in acceptable/guideline carcinogenicity studies in rats and mice. In addition, there are no genotoxicity,

mutagenicity, neurotoxicity, or immunotoxicity concerns. There are also no developmental or reproductive toxicity concerns. There is no evidence of an adverse effect attributable to a single dose.

B. Food Quality Protection Act Safety Factor (FQPA SF)

EPA has determined that reliable data show the safety of infants and children would be adequately protected. EPA believes that the appropriate Food Quality Protection Act Safety Factor (FQPA SF) for cyantraniliprole should be reduced to 1X for the following reasons:

- The toxicity database for cyantraniliprole is complete.
- There are no indications in any of the available studies that the nervous system is a target for cyantraniliprole. Effects indicative of neurotoxicity are not seen in the neurotoxicity screening battery at or above the limit dose levels in acute (2,000 mg/kg) and 90-day (1,000 mg/kg) neurotoxicity studies.
- There is no evidence of susceptibility in developmental toxicity studies in rats and rabbits. The developmental toxicity study in rats is tested up to the limit dose (1,000 mg/kg/day). In the rabbit developmental toxicity study decrease in fetal body weight is seen at a dose higher than that resulting in maternal effects. In the reproductive toxicity study, increased incidence of thyroid follicular epithelium hypertrophy/hyperplasia occurs in fetal 1 (F₁) parental animals at a dose lower than that for the parental (P) generation. A clear No-Observed Adverse Effect Level (NOAEL) (1.4 mg/kg/day) is established for F₁ parental animals, and the Point of Departures (PODs) selected for risk assessment from the dog studies (1 or 3 mg/kg/day) are protective of the effect (thyroid effect) seen in the F₁ parental animals. In addition the submitted data support the conclusion that the effects on the thyroid are secondary to effects on the liver.
- The exposure databases are complete or are estimated based on data that reasonably account for potential exposures. The chronic dietary food exposure assessment was conservatively based on 100% crop treated (CT) assumptions, average residue levels from field trials, and conservative ground and surface drinking water modeling estimates. New 2012 Residential Standard Operating Procedures (SOPs) are used to assess post-application exposure to children including incidental oral exposure. The residential post-application assessment assumes that maximum application rates are applied and that hand-to-mouth activities occur on the day of application. All of the exposure estimates are based on conservative, health-protective assumptions and are not likely to underestimate risk.

C. Toxicological End Points and Doses Used in the Human Health Risk Assessment

1. Acute

No acute dietary toxicity endpoint was selected as an effect because no effect attributed to a single dose was identified in the mammalian toxicology database.

2. Chronic Dietary (all populations)

EPA established a chronic reference dose (cRfD) and a Chronic Population Adjusted Dose (cPAD) for cyantraniliprole of 0.01 mg/kg body wt/day, based on the NOAEL of 1 mg/kg body wt/day from a 1-year oral study in dogs and an FQPA Safety Factor of 1X. In this study, effects indicative of liver toxicity (increased liver weights and alkaline phosphatase activity), and significant decreases in albumin level were observed at the Lowest Observed Adverse Effect Level (LOAEL) of 6 mg/kg body wt/day.

3. Short- and Intermediate-Term Oral

EPA selected the NOAEL of 3 mg/kg body wt/day from the 90-day oral study in dogs, based on effects observed in the co-critical 28-day and 90-day toxicity studies in dogs. In the 90-day study, a collection of treatment-related effects indicative of liver toxicity were observed at the LOAEL = 32 mg/kg body wt/day. The effects included decreases in total protein, albumin, and cholesterol in males and females; increases in alkaline phosphatase in males and females; increases in alanine aminotransferase in females; and increases in liver weights in males and females. In the co-critical 28-day study, decreases in body weight, food consumption, food efficiency, and changes in clinical chemistry (increased ALP, decreased cholesterol, and decreased albumin) were observed at the LOAEL = 35 mg/kg body wt/day (lowest dose tested). The level of concern for assessing short- and intermediate-term occupational exposure to cyantraniliprole is a margin of exposure (MOE) that is less than 100.

4. Short-Term Dermal

No short-term dermal toxicity endpoint was selected because systemic toxicity was not seen in 28-day dermal toxicity in rats at the limit dose (1,000 mg/kg/day). There are no concerns for developmental or reproductive toxicity or neurotoxicity.

5. Short-Term Inhalation

EPA selected the NOAEL of 0.1 mg/L from the 28-day inhalation study in rats. A LOAEL was not established because the highest concentration tested (0.1 mg/L) did not demonstrate any adverse effects.

6. Cancer

EPA has classified cyantraniliprole as “Not likely to be Carcinogenic to Humans” based on data showing lack of treatment-related increase in tumor incidence in the rat and mouse carcinogenicity studies. Mutagenic concern was not reported in the mutagenicity studies.

D. Cumulative Effects

Unlike other pesticides for which EPA has followed a cumulative risk approach based on a common mechanism of toxicity, EPA has not found cyantraniliprole to share a common mechanism of toxicity with any other substances, and cyantraniliprole does not appear to produce a toxic metabolite produced by other substances. For the purposes of this action, therefore, EPA has assumed that cyantraniliprole does not have a common mechanism of toxicity with other substances.

E. Aggregate Risk Assessment

1. Acute Dietary Risk

An acute aggregate risk assessment takes into account acute exposure estimates from dietary consumption of food and drinking water. No adverse effect resulting from a single oral exposure was identified and therefore no acute dietary endpoint was selected. Cyantraniliprole is not expected to pose an acute risk.

2. Chronic dietary risk

EPA has concluded that chronic exposure to cyantraniliprole from food and water will utilize 50% of the cPAD for children 1-2 years old (the population group receiving the greatest exposure) and 22% of the general U.S. population.

3. Short-term risk

Short-term aggregate exposure takes into account short-term residential exposure plus chronic exposure to food and water (considered to be a background exposure level). Cyantraniliprole is proposed for uses that could result in short-term residential exposure, and the Agency has determined that it is appropriate to aggregate chronic exposure through food and water with short-term residential exposures to cyantraniliprole. Residential exposure estimates of all possible scenarios are not of concern. Short-term inhalation MOEs range from 22,000 to 220,000,000. Furthermore, these calculated risk estimates are highly conservative because the inhalation exposure POD is based on an exposure duration of 24 hours per day.

Using the exposure assumptions described in this unit for short-term exposures, EPA has concluded the combined short-term food, water, and residential exposures result in aggregate MOEs of 290 for children 1-2 years old (the population group receiving the greatest exposure) and 22,000 for adults. Because EPA's level of concern for cyantraniliprole is a MOE of 100 or below, these MOEs are not of concern.

4. Intermediate-term risk

Intermediate-term aggregate exposure takes into account intermediate-term residential exposure plus chronic exposure to food and water (considered to be a background exposure level). For adults, intermediate-term exposure is not expected for the residential exposure pathway. The intermediate-term aggregate risk would be equivalent to the chronic dietary exposure estimate. For children 1 to <2 years old, the short-term aggregate risk is protective of the intermediate-term duration.

5. Aggregate cancer risk for U.S. population

Based on the lack of evidence of carcinogenicity in two adequate rodent carcinogenicity studies, cyantraniliprole is not expected to pose a cancer risk to humans.

F. Occupational Risk Assessment

1. Handler Exposure and Risk

Occupational handler and post-application exposure may occur by the dermal and inhalation routes of exposure only. Since there is no dermal hazard from cyantraniliprole, only inhalation exposures were quantitatively assessed. Also, since no acute toxicity effects were found for cyantraniliprole, only short- and intermediate-term inhalation risk estimates were calculated.

a. Agricultural Field Uses

The results of the occupational handler exposure and risk assessment indicate that short- and intermediate-term inhalation risks do not exceed EPA's Level of Concern (LOC) (i.e. an MOE < 30 for short-term exposures and an MOE < 100 for intermediate-term exposures) at baseline mitigation (no PPE). Since the short- and intermediate-term PODs are the same, the inhalation MOEs are also the same, ranging from 1,200 to 3,900,000.

EPA has no data to assess exposures to pilots using open cockpits. The only data available is for exposure to pilots in enclosed cockpits. Therefore, risks to pilots are assessed using the engineering control (enclosed cockpits) and baseline attire (long-sleeve shirt, long pants, shoes, and socks); per the Agency's Worker Protection Standard stipulations for engineering controls, pilots are not required to wear protective gloves for the duration of the application. There are no risk estimates of concern for aerial applicators.

b. Agricultural Seed Treatment Uses

Based on the anticipated use patterns and current labeling, types of equipment and techniques that can potentially be used, some occupational handler exposure is expected from the proposed seed treatment uses. The quantitative exposure/risk assessment developed for occupational handlers is based on the following scenarios:

- Mixing/loading liquids for potato seed piece treatment,
- Planting potato seed pieces,
- Mixing/loading liquids for commercial seed treatment, and
- Planting treated seed.

The results of the occupational handler exposure and risk assessment indicate that short-term inhalation risk estimates do not exceed EPA's LOC (i.e. an MOE < 30 for short-term exposures) at baseline, without mitigation from PPE. Short-term exposure risk estimates are protective of intermediate-term exposure risk estimates because the throughput (amount of seed treated) is greater than, or equal to, the throughput of intermediate-term exposure. The calculated inhalation risk estimates do not exceed EPA's LOC for intermediate-term exposures (i.e. an MOE < 100) at baseline, without mitigation from PPE. The inhalation MOEs range from 370 to 4,000 for primary handlers (treaters) and 2,200 to 190,000 for secondary handlers (planters).

2. Occupational Postapplication Exposure and Risk

An occupational post-application exposure and risk assessment was not conducted because a dermal hazard was not identified for cyantraniliprole.

III. Environmental Risk

A summary of the environmental fate and ecological effects and risks of cyantraniliprole as assessed in the Agency document entitled "Environmental Risk Assessment of Proposed New Global Chemical Cyantraniliprole on Bushberries, Citrus, Cotton, Oil Seeds, Pome Fruit, Stone Fruit, Tree Nuts, Vegetables (Bulb, Corm and Tuberous, Cucurbit, Fruiting, Leafy Brassica, and Leafy-Non-Brassica), and Professional Products (Fly Bait, Indoor and Outdoor Insect Control for Public Health Pests Such as Cockroaches, Ants, Flies, Termites, Nuisance Insect Pests, Turfgrass and Ornamentals, Tree Injection, and Production Greenhouse and Nursery Ornamentals)" is provided below. Additional information and points of clarification not included in the risk assessment are included in the document, dated January 24, 2014, entitled "ADDENDUM – EFED Environmental Risk Assessment of Proposed New Global Chemical Cyantraniliprole on Bushberries, Citrus, Cotton, Oil Seeds, Pome Fruit, Stone Fruit, Tree Nuts, Vegetables (Bulb, Corm and Tuberous, Cucurbit, Fruiting, Leafy Brassica, and Leafy-Non-Brassica), and Professional Products (Fly Bait, Indoor and Outdoor Insect Control for Public Health Pests Such as Cockroaches, Ants, Flies, Termites, Nuisance Insect Pests, Turfgrass and Ornamentals, Tree Injection, and Production Greenhouse and Nursery Ornamentals)." This addendum includes a revision of the chronic mammalian

endpoint, characterization of potential risk concerns to monocots, and presents a comparison of acute honey bee toxicity data for cyantraniliprole and other insecticides.

A. Environmental Fate

Cyantraniliprole is a systemic insecticide. It is soluble at neutral pH and given its low vapor pressure (3.85 x 10⁻¹⁷ mm Hg) and Henry's Law constants (1.70 x 10⁻¹⁸ atm*m³/mol), is not considered volatile and is not likely prone to atmospheric transport. While cyantraniliprole is subject to both abiotic alkaline hydrolysis (half-life = 21 hrs) and photodegradation in aqueous (half-life = 8 hrs) and moist soil environments and biotic (aerobic and anaerobic biotransformation in terrestrial and aquatic environments, half-lives range from 2 days to 3 months) degradation, the chemical degrades into a total of 13 degradation products. Of these degradates, eight are major and five are minor. Based on degradate aerobic soil metabolism and mobility studies, six of the eight major degradates had longer dissipation half-life (DT₅₀) values (more persistent) and three of the eight degradates were more mobile than the parent cyantraniliprole. According to the Food and Agriculture Organization (FAO) classification system, based on organic carbon partitioning coefficients, cyantraniliprole is characterized as moderately mobile. Bioconcentration factor data (BCF value <1 in whole fish) indicate that cyantraniliprole is not likely to bioaccumulate.

Given the uncertainty of the behavior and toxicity of these degradates, their toxicity is assumed to be equivalent to the parent compound, cyantraniliprole. For the aquatic exposure modeling, a total toxic residue approach (considers the parent compound and eight major degradates including two degradates from terrestrial field studies) was utilized. For surface water, peak estimated environmental concentrations (EECs) ranged from 0.23 µg/L from cyantraniliprole use on trees using the Oregon Christmas tree scenario to 38 µg/L from cyantraniliprole use on cotton using the North Carolina cotton scenario. For pore water, peak EECs ranged from 0.22 µg/L from cyantraniliprole use on trees using the Oregon Christmas tree scenario to 37 µg/L from cyantraniliprole use on rapeseed using the North Dakota wheat scenario.

B. Ecological Risk

Ecological risk characterization integrates the results of the exposure and ecotoxicity data to evaluate the likelihood of adverse ecological effects. The means of integrating the results of exposure and ecotoxicity data is called the risk quotient method. For this method, risk quotients (RQs) are calculated by dividing exposure estimates by ecotoxicity values, both acute and chronic (RQ = Exposure/Toxicity). RQs are then compared to EPA's levels of concern (LOCs). The LOCs are criteria used by the Agency to indicate potential risk to non-target organisms. The criteria indicate whether a pesticide, when used as directed, has the potential to cause adverse effects to non-target organisms. The ecological risk profile is described in detail below.

Risks to Aquatic Organisms

Fish

Cyantraniliprole is classified as "slightly to moderately toxic" to freshwater fish on an acute exposure basis. A conservative calculation using the peak aquatic EEC (37.97 µg ai/L) and the typical end product LC₅₀ (2,400 µg ai/L) resulted in an RQ of 0.016. This is well below the acute risk to listed species LOC of 0.05. Consequently, direct acute risks to freshwater fish and aquatic-phase amphibians, for which fish serve as surrogates, from the proposed uses of cyantraniliprole are not considered likely.

Risk quotients calculated for chronic exposures to cyantraniliprole ranged from <0.001 to 0.003 and were all well below the chronic risk to listed and non-listed species LOC of 1. The risk quotient analysis indicated

that direct chronic effects to freshwater fish are not expected; none of the risk quotients exceeded the chronic risk LOC of 1.

Risk quotients could not be calculated for direct acute effects to estuarine/marine fish because the toxicity value was non-definitive. In lieu of this, the most sensitive toxicity value can be compared with the peak EEC. The most sensitive LC₅₀ (>12,000 µg total ai/L), although non-definitive, is much larger than the peak aquatic EEC of 37.97 µg ai/L. There was precipitate in this toxicity test and measured concentrations were not centrifuged or filtered; therefore, the amount of dissolved cyantraniliprole is uncertain, lending uncertainty to the study's results. No mortality or sub-lethal effects were observed in any treatment group in the test. Furthermore, the LC₅₀ would need to be 16 times more sensitive (759 µg ai/L) to even reach the acute risk to listed species LOC of 0.05. Thus, the likelihood of adverse effects on estuarine/marine fish from direct acute exposure from the proposed uses of cyantraniliprole is considered low.

Risk quotients could not be calculated for chronic effects to estuarine/marine fish because only non-definitive toxicity data were available. Given that the No Observed Adverse Effect Concentration (NOAEC) was a less than value (NOAEC <750 µg ai/L), it is not possible to preclude the possibility of direct chronic risks to estuarine/marine fish. Growth parameters (length and weight) were affected at the lowest concentration tested. Although the absolute value of the NOAEC (750 µg total ai/L) is one order of magnitude higher than the highest 60-day aquatic EEC of 37.42 µg ai/L, risk concerns cannot be eliminated on this alone. Risk mitigation language is included on the labels (refer to section IV. E.).

Invertebrates

Cyantraniliprole ranged in toxicity from slightly to very highly toxic to freshwater invertebrates on an acute exposure basis. Risk quotients for acute exposures to freshwater invertebrates ranged from 0.011 to 1.9. Most uses exceeded the acute risk to listed species LOC of 0.05 and some exceeded the acute risk to non-listed species LOC of 0.5.

Risk quotients for chronic exposures to freshwater invertebrates ranged from 0.035 to 5.8 with some uses exceeding the listed and non-listed species chronic risk LOC of 1.

Cyantraniliprole is moderately to highly toxic to estuarine/marine invertebrates on an acute exposure basis. Acute risk quotients for estuarine/marine invertebrates ranged from <0.001 to 0.073 showing a slight exceedance of the acute risk to listed species LOC of 0.05. Chronic risk quotients ranged from 0.001 to 0.23 (oyster) and < 0.001 to 0.12 (mysid shrimp). No scenarios exceeded the listed and non-listed species chronic risk LOC of 1. Thus, while mortality (direct) of estuarine/marine invertebrates is possible following acute exposure for eight of the proposed uses, the likelihood of (direct) adverse effects from chronic exposure is considered low.

Cyantraniliprole is highly toxic to benthic invertebrates on an acute exposure basis. Acute risk quotients for benthic invertebrates ranged from <0.001 to 0.051 but only one use exceeded the acute risk to listed species LOC of 0.05. Chronic risk quotients ranged from 0.022 to 3.7 with some uses exceeding the listed and non-listed species chronic risk LOC of 1.

To reduce the potential risk to aquatic invertebrates, risk mitigation language is included on the labels (refer to section IV.D.).

Aquatic Plants

Toxicity data for technical-grade cyantraniliprole was non-definitive for aquatic vascular and non-vascular plants. Thus, risk quotients were not calculated. Given the lines of evidence, it is unlikely that there will be direct adverse effects to aquatic plants based on exposure from the proposed uses of cyantraniliprole.

Risks to Terrestrial Organisms

Birds

Cyantraniliprole is classified as ‘practically nontoxic’ to birds on an acute oral and sub-acute dietary exposure basis. Since all of the endpoints from the acute oral and sub-acute dietary toxicity studies with birds are non-definitive (*i.e.*, they are ‘greater than’ values), they were not used to calculate RQs. Instead, the non-definitive toxicity values were directly compared to the EECs. The most sensitive TGAI studies were selected (in two cases, there were more sensitive results for the typical end-use product (TEP) studies, but these were also non-definitive and the lower toxicity value is probably an artifact of the largest dose of product that was given to the bird rather than the active ingredient itself). In all cases, none of the EECs were larger than the non-definitive toxicity values for the most sensitive avian species. No sub-lethal effects were observed in either the acute oral or sub-acute dietary studies for any of the species tested. Acute effects to listed and non-listed bird species are not expected.

The chronic dietary-based RQs range from <0.01 to 0.45, and are below the LOC of 1.0. Therefore, the likelihood of chronic adverse effects for listed and non-listed birds, reptiles, and terrestrial-phase amphibians from exposure to residues from the proposed cyantraniliprole uses is expected to be low.

Mammals

Cyantraniliprole is classified as ‘practically nontoxic’ to mammals on an acute oral exposure basis. Non-definitive toxicity values were directly compared to the EECs. In all cases, none of the EECs were larger than the non-definitive toxicity values. Furthermore, no sub-lethal effects were observed in the acute oral toxicity study. Therefore, acute effects on listed and non-listed mammalian species are not expected.

There were no LOC exceedances of the listed and non-listed species chronic risk LOC (1), except for the following uses/application types: soil injection/drench for hardwood trees (RQ of 1.3), soil drench for citrus (RQ of 1.2), and drip irrigation applications for cucurbits (RQ of 3.2). These risk quotients were conservatively calculated by estimating the concentration of cyantraniliprole in the leaf biomass of the plant, where for the screening-level risk assessment the risk quotients above were calculated assuming 100% of the animal’s diet comes from the treated site (*e.g.*, citrus leaves). It is important to note that it is unlikely that these use sites make up 100% of a non-target mammalian diet; therefore the actual potential for risk is low considering the variability of non-target mammalian diets.

Terrestrial Invertebrates

Toxicity data for parasitic wasps, beetles, spiders, lacewings, predatory mites, and collembola indicated that cyantraniliprole is toxic to some terrestrial invertebrates at very low application rates (48-hr LR₅₀ = 0.00008 lb ai/A – parasitic wasp), consistent with its insecticidal mode of action. Conversely, collembola, which are exposed to cyantraniliprole through direct contact with the soil, were insensitive to applications of cyantraniliprole (EC₅₀ > 1,200 mg ai/kg-soil). Likewise, earthworms demonstrated a low toxic effect to cyantraniliprole (EC₅₀ > 102.6 mg ai/kg-soil – based on the TEP).

While there is some uncertainty in honeybee toxicity data for cyantraniliprole, due to some non-definitive endpoints, it is highly toxic on an acute oral and contact basis; however, this compound is generally less toxic to honey bees than organophosphate, pyrethroid, neonicotinoid, and carbamate insecticides (Table 1). Refined acute oral RQs for adult honeybees using empirically-based maximum reported concentrations in nectar and pollen were determined as the ratio of cyantraniliprole consumed in pollen/nectar (*i.e.*, dose) to the acute LD₅₀ for cyantraniliprole-only TEP (0.116 µg ai/bee) and ranged from 0.017 to 0.066 and are below the LOC of 0.4. The LOC of 0.4 was established for acute risks to honeybees. If an RQ is less than LOC, the chemical being assessed does not pose a risk concern to insect pollinators on an acute exposure basis and

higher tier studies are not required. The registration packet included semi-field and field data for honeybees, which were used to confirm this conclusion. The LOC of 0.4, and framework for assessing risk to pollinators – used in the cyantraniliprole ecological risk assessment – is outlined in the Agency’s White Paper for assessing potential risks to pollinators and was evaluated by the FIFRA Scientific Advisory Panel¹.

Table 1 below is a comparison of the relative honeybee acute toxicity for cyantraniliprole to organophosphates, carbamates, pyrethroids and neonicotinoids, which have similar uses to cyantraniliprole. The table below includes honeybee acute contact and acute oral toxicity ranges for organophosphates, carbamates, pyrethroids, and neonicotinoids, as well as the toxicity values for cyantraniliprole and cyantraniliprole/thiamethoxam TEP. The comparatively low toxicity of the dual a.i. product containing cyantraniliprole/thiamethoxam is largely reflective of the toxicity of thiamethoxam, although less toxic than thiamethoxam alone. This table illustrates that cyantraniliprole is typically less toxic to honeybees compared to these chemical classes.

Table 1. Comparison of relative honeybee acute toxicity*

Chemical	Honeybee acute contact LC₅₀ (µg ai/bee)	Honeybee acute oral LD₅₀ (µg ai/bee)
Carbamates	0.1600 to 35	0.094 to 3.01
Neonics	0.024 to <12.5	0.0037 to >10.21
Organophosphates	0.059 to 58.9	0.056 to 0.44
Pyrethroids	0.0015 to 0.52	0.172 to 0.909
Cyantraniliprole	0.55	0.116
Cyantraniliprole/thiamethoxam TEP	0.058	0.0062

*Additional comparisons to individual chemicals are included in the Addendum to the Ecological Risk Assessment.

The semi-field studies indicated transient effects on behavior, foraging activity and mortality. Observations of brood health and colony strength (up to 28 days) suggested no significant lethal or sub-lethal adverse effects on larvae or colony strength from cyantraniliprole applications. The field studies provide *in situ* information about the effects of cyantraniliprole applications to brood development and longer-term colony health. If the larvae in a hive are undergoing adverse toxicological effects to a significant degree, a decrease in hive population or other colony-level effects will be seen over time – especially during the overwintering period; which was not observed in the cyantraniliprole studies.

Non-target Terrestrial and Semi-Aquatic Plants

Based on the risk quotient analysis, the LOC for risk to listed terrestrial plants was not exceeded for monocots or dicots. There is some uncertainty regarding the analysis for monocots because seedling emergence data were available for only one monocot species. However, available data indicate that onion was the most sensitive monocot using a vegetative vigor study, where it is approximately 2X more sensitive than the available monocot (corn) species data. Therefore it would be reasonable to expect the seedling emergence endpoint for onion to be lower than the monocot and dicot observed endpoints. Taking into account this uncertainty, the analysis suggests risks are not of concern for non-listed monocot or dicot plant species, nor for listed animal species that do not possess an obligate relationship with a particular monocot. Risk was identified for listed monocot species within a short distance of the treated field and for listed animal species with an obligate relationship with a particular monocot plant. Further, the registration package includes uses on monocots (specifically bulb vegetables, onion); therefore it is unlikely that the potential impact on onions is significant. Additionally, exceedance of the Agency’s LOC is lowered

¹Regulations.gov docket for the FIFRA SAP: <http://www.regulations.gov/#!docketBrowser;rpp=25;po=0;dt=SR;D=EPA-HQ-OPP-2012-0543>; and the Agency’s White paper: <http://www.regulations.gov/#!documentDetail;D=EPA-HQ-OPP-2012-0543-0004>

significantly as distance increases from the treated field; therefore the implemented buffers on the labels are intended to mitigate this potential risk.

IV. Regulatory Decision

The Agency is unconditionally granting the registration of the new active ingredient, cyantraniliprole, formulated as a technical product and fourteen end use products, under section 3(c)(5) of the Federal Insecticide, Fungicide, and Rodenticide Act for the following uses (a complete list of all registered products is included in the attachment):

Agricultural crops

bushberry (crop subgroup 13-07B); fruit, citrus (crop group 10-10); fruit, pome (crop group 11-10); fruit, stone (crop group 12-12); nut, tree (crop group 14-12); oilseed (crop group 20); vegetable, Brassica (Cole) leafy (crop group 5); vegetable, bulb (crop group 3-07); vegetable, cucurbit (crop group 9); vegetable, fruiting (crop group 8-10); vegetable, leafy (except Brassica) (crop group 4); and vegetable, tuberous and corm (crop subgroup 1C).

Ornamentals and turf

ornamental plants, shrubs, trees in and around greenhouses, nurseries, lath- and shade-houses, and interior plantscapes; landscape and recreational turfgrass (including golf courses); sod farms.

Structures and equipment

in and around agricultural, commercial, and residential structures (excluding food/feed handling establishments); and transportation equipment.

For the food uses, Canadian Maximum Residue Levels (MRLs) and U.S. tolerances are harmonized for primary crop commodities and livestock commodities. A few items are not harmonized: a) Canada will establish import tolerances for grapes and olives; the US does not have this request. b) Canada does not establish MRLs for livestock only commodities whereas the US does. c) Canada is setting MRLs for poultry commodities at the level of quantification (LOQ) of the analytical method (0.01 ppm) in accord with Canadian policy for situations of no residues anticipated in the livestock commodities where there are feed items with residues. The US is not establishing tolerances for poultry commodities as no significant accumulation in poultry tissues or eggs is expected, i.e., category 40CFR §180.6(a)(3).

U.S. and Canadian tolerances are not entirely harmonized with European Union (EU) MRLs. This is due both to differences in regional use patterns and climate as well as how the maximum levels are calculated. Examples of different maximum levels include: citrus (0.70 ppm US/CA vs. 0.9 ppm EU); leafy vegetables (20 ppm US/CA vs. 15 ppm EU); pome fruit (1.5 ppm US/CA vs. 0.8 ppm EU); plums (0.5 ppm US/CA vs. 1.5 ppm EU); tree nuts (0.04 ppm US/CA vs. 0.03 ppm EU). Fruiting vegetables (including peppers) are harmonized at 2 ppm except tomatoes (2 ppm US/CA vs. 1.5 ppm EU) and eggplant (2 ppm US/CA vs. 0.4 ppm EU).

Codex maximum residue levels (MRLs) for cyantraniliprole were proposed in September, 2013 but have not been adopted to date.

A. Public Comments

Notice of Receipt

On April 26, 2012, EPA published a Notice of Receipt in the Federal Register of an application for registration of cyantraniliprole and announced a public comment period of 30 days. Only two comments were received, one from the San Francisco Bay Regional Water Quality Control Board and the other from the California Stormwater Quality Association. The comments were similar in that they requested that EPA consider adverse impacts to aquatic systems from urban use sites.

EPA addressed these comments during the risk assessment process by employing the Total Toxic Residue approach (i.e. including parent chemical and all potential degradates) in its evaluation of cyantraniliprole and its degradates in aquatic systems. The Total Toxic Residue approach essentially extends the duration of the predicted EECs to account for the time it would take for both the parent and degradates of concern to dissipate in the environment. It assumes that the degradates have equivalent fate and ecotoxicity properties as the parent which is a conservative assumption.

Notice of Filing

On May 23, 2012, EPA published a Notice of Filing in the Federal Register; no comments were received.

Proposed Registration Decision

On June 6, 2013 EPA posted a Proposed Registration of Cyantraniliprole to the public docket (EPA-HQ-OPP-2011-0668). Twenty three public comments were received. A detailed review of the public comments can be found in Cyantraniliprole - Response to Public Comments on EPA's "Proposed Registration of the New Active Ingredient Cyantraniliprole: An Insecticide for Use on Multiple Commodities, Ornamentals, Turfgrass, and in Commercial or Residential Buildings" posted to the docket.

B. Regulatory Rationale

Cyantraniliprole is a broad spectrum insecticide, with activity on a wide variety of target pests. While it is the third compound registered in the Insecticide Resistance Action Committee (IRAC) Mode of Action Classification Group 28; ryanodine receptor modulators, it has a broader spectrum of activity than the other two compounds. It is expected to fit well in IPM programs.

As an efficacious insecticide, cyantraniliprole is expected to have invertebrate biological activity and therefore it may pose a risk to pollinators, as is the base for insecticides in general. Cyantraniliprole was granted classification as a Reduced Risk pesticide. This means that compared to existing conventional pesticides such as the organophosphates, carbamates and pyrethroids, it presents characteristics that include lower impact on human health, lower toxicity to non-target organisms, low potential for groundwater contamination, and compatibility with IPM practices. Based on the committee's evaluation of the information provided, the mammalian toxicity and ecotoxicity risk profiles for cyantraniliprole are favorable compared to registered alternatives, which include organophosphates, pyrethroids and abamectin. The novel mode of action for cyantraniliprole fits in well with resistance management strategies. After review and consideration of all of the data provided by the 800+ studies, the determinations made by the multiple scientists and international partners involved in the project, and the outcome of the human health and ecological risk assessments, the Agency supports the decision to register cyantraniliprole as a reduced risk compound.

In light of this determination, the Agency considered the potential risks posed by cyantraniliprole. The risks were found not to be unreasonable when weighed against the benefits it provides. Cyantraniliprole controls lepidoptera, whiteflies, leafminers, psyllids, leaf-feeding beetles, fruit flies, and sawflies. Cyantraniliprole is effective at controlling the establishment and population growth of aphids, weevils and thrips. In a comparative qualitative analysis of efficacy, cyantraniliprole is considered to be more efficacious than current registrations of more toxic compounds for control of citrus psylla, citrus leafminer, citrus aphid, beet

armyworm, cotton bollworm, Silverleaf whitefly, cotton thrips, oriental fruit moth, and obliquebanded leafroller.

Cyantraniliprole is expected to be an essential tool to citrus growers and blueberry growers. The citrus industry is under serious threat from citrus greening disease (HLB). Once a tree becomes infected, there is no cure and it will die. The only way to protect citrus trees from HLB is through prevention by control of the Asian Citrus Psyllid and there are very few effective alternatives; cyantraniliprole is one of the least toxic alternatives that would be available for citrus growers. Florida and California growers need cyantraniliprole to provide an additional mode of action to combat this psyllid. Deaths of trees resulting in serious losses to the citrus industry will also affect beekeepers that rely on citrus for honey production and as a resource for their bees.

The Agency is also aware of the threat to numerous crops from the invasive fruit fly, the spotted wing *Drosophila* (SWD). This pest has already seriously injured the US blueberry crop. On July 29, 2013, the Washington Post wrote an article about the concern that Maine's wild blueberry growers have for the threat posed by SWD. There is a zero tolerance standard for SWD in blueberries, a load of harvested blueberries will be rejected no matter the level of infestation. Extension agents in blueberry growing states have recommended carbaryl, diazinon, malathion, methomyl, phosmet, bifenthrin, esfenvalerate and other conventional chemicals, however pre-harvest intervals for these compounds are long and SWD infestations occur when fruit is ripe therefore growers are in need of tools with short PHIs. Michigan and New Jersey State Lead Agencies have made crisis declarations under FIFRA Section 18 Emergency Exemption provisions on behalf of blueberry growers for the use of malathion to combat SWD. Registration of cyantraniliprole will provide the growers with an effective tool that has a short PHI and a more favorable toxicological profile compared to currently registered alternatives.

Cyantraniliprole is expected to be an alternative to a number of insecticide classes (organophosphates, carbamates, pyrethroids and some neonicotinoids). Compared to these alternatives cyantraniliprole generally presented a more favorable environmental fate profile including its low volatility, low accumulation and leaching potential in addition to microbial-mediated and abiotic dissipation pathways. Additionally, it is generally less toxic towards mammals, birds and fish than the leading alternatives, and also honey bees (see Section III.B., Table 1). In critical pest situations, cyantraniliprole may also replace multiple or repeated applications of these other compounds, which expose non-target organisms many times and present greater risks to a wider range of non-target species. Registration of cyantraniliprole should therefore serve to reduce overall risks to such species, including listed species, when users substitute this product for the majority of the available registered alternatives.

C. Data Requirements

No additional studies required, the cyantraniliprole database is complete for the proposed uses.

D. Labeling Requirements

As noted in section III. B., aquatic invertebrates may be affected by cyantraniliprole. To mitigate the potential risk, cyantraniliprole labels will state:

“Do not make ground applications within 25’ or aerial applications within 50’ of lakes, rivers, reservoirs, permanent streams, marshes, natural ponds, estuaries or coastal areas. Do not cultivate within 25’ of these aquatic areas to allow growth of a vegetative filter strip.”

Additionally, an extensive “Spray Drift Management” section is included on the labels, which provides applicators with information intended to decrease drift potential. The information addresses droplet size, boom length, application height, wind speed and other weather conditions.

While a potential chronic risk to mammals was identified for three specific application/use scenarios (soil injection/drench for hardwood trees, soil drench for citrus, and drip irrigation applications for cucurbits), it was based on a screening-level risk assessment that assumes that 100% of the animal’s diet has been treated with cyantraniliprole from these three specific application sites. Thus, the potential risk is based on conservative assumptions where it is unlikely that these sites make up 100% of a non-target mammalian diet; therefore the actual potential for risk is low considering the variability of non-target mammalian diets. Additionally, cyantraniliprole is expected to be an alternative to compounds in the organophosphate and carbamate chemical classes, which adversely affect mammals.

Since cyantraniliprole is an insecticide, and as with other insecticides (see Table 1) it was not unexpected that the data indicate that it is highly toxic on an acute oral and contact basis to honeybees and other insect pollinators. However, it is ranked lower compared to neonicotinoids, carbamates and pyrethroids. In order to reduce exposure to these organisms, and to alert applicators, cyantraniliprole labels must include pollinator protective labeling, as follows:

1. A “Pollinator Protection Box” that contains information regarding routes of exposure, a web site resource for Best Management Practices, and contacts for reporting beekills.
2. Use of a “Bee Icon” to call attention to the protective text
3. Prohibition of applications to crops during bloom, except under certain specific conditions
4. Restrictions for ornamentals that prohibit application during bloom.

ATTACHMENT A

Complete List of Registered Products:

EPA Registration #	product name	formulation	use sites (with crop group #)
352-856	DuPont Cyazypyr Technical	96.7% technical	<ul style="list-style-type: none"> - Agricultural crops <ul style="list-style-type: none"> bushberry (subgroup 13-07B); fruit, citrus (group 10-10); fruit, pome (group 11-10); fruit, stone (group 12-12); nut, tree (group 14-12); oilseed (group 20); vegetable, Brassica (Cole) leafy (group 5); vegetable, bulb (group 3-07); vegetable, cucurbit (group 9); vegetable, fruiting (group 8-10); vegetable, leafy (except Brassica), (group 4) vegetable, tuberous and corm (subgroup 1C) - industrial, public, & residential: turf, ornamentals - commercial production: ornamentals, sod farms - in & around residential, public, commercial, agricultural structures; transportation vehicles (excluding food/feed handling establishments): <ul style="list-style-type: none"> indoors - spot or crack & crevice only outdoors - spot; crack & crevice; band - in & around residential, commercial, agricultural structures: scatterbait and bait stations
352-857	DuPont Benevia Insect Control	10.26% OD 0.83 lb ai/gal	<ul style="list-style-type: none"> - nut, tree 14-12 - oilseed 20 (includes cotton) - vegetable, bulb 3-07 - vegetable, tuberous & corm 1C
352-858	DuPont Lumiderm Insecticide Seed Treatment	50% FS 5.21 lb ai/gal	<ul style="list-style-type: none"> - rapeseed (canola) - mustard seed

EPA Registration #	product name	formulation	use sites (with crop group #)
352-859	DuPont Exirel Insect Control	10.20% SE 0.83 lb ai/gal	- bushberry 13-07B - fruit, citrus 10-10 - fruit, pome 11-10 - fruit, stone 12-12 - nut, tree 14-12 - vegetable Brassica (Cole) leafy 5 - vegetable, bulb 3-07 - vegetable, cucurbit 9 - vegetable, fruiting 8-10 including eggplant, pepper, tomato in commercial greenhouses - vegetable, leafy except Brassica 4
352-860	DuPont Verimark Insect Control	18.66% SC 1.67 lb ai/gal	- fruit, citrus 10-10 - vegetable Brassica (Cole) leafy 5 - vegetable, cucurbit 9 - vegetable, fruiting 8-10 - vegetable, leafy except Brassica 4 - vegetable, tuberous & corm 1C
352-862	HGW86 Fly Control Bait	0.5% RB	- in & around residential, commercial, agricultural structures: scatterbait and bait stations
352-863	HGW86 GH & N Insect Control	18.66% SC 1.67 lb ai/gal	- ornamentals and "grassy, weedy, mulched, or bare soil areas" in & around greenhouses, nurseries, shadehouses, lathhouses - ornamentals in interior plantscapes
352-865	HGW86 T & O Insect Control	18.66% SC 1.67 lb ai/gal	- outdoor turfgrass & ornamentals (residential & public incl. golf courses) - interior plantscapes - sod farms
352-868	HGW86 SC Insect Control	18.66% SC 1.67 lb ai/gal	- in & around residential, public, commercial, agricultural structures; transportation vehicles (excluding food/feed handling establishments): indoors - spot or crack & crevice only' outdoors - spot; crack & crevice; band
100-1418	Fortenza Red Insecticide [seed treatment]	48.8% FS 600 g/l	- potato - sunflower

EPA Registration #	product name	formulation	use sites (with crop group #)
100-1420	Fortenza Insecticide [seed treatment]	48.8% FS 600 g/l	- potato - sunflower
100-1421	Minecto Duo Insecticide	20% + 20% WG	vegetable Brassica (Cole) leafy 5 vegetable, cucurbit 9 vegetable, fruiting 8-10 vegetable, leafy except Brassica 4 vegetable, tuberous & corm 1C
100-1422	A16901B Ornamental Insecticide	20% + 20% WG	- ornamentals, non-bearing fruit and nut trees, and forest seedlings in commercial greenhouse, nurseries, and interiorscapes - certain crop plants grown for sale as transplants to consumers (only): .vegetable, Brassica leafy 5 .vegetable, cucurbit 9 .vegetable, fruiting 8-10
100-1423	A16901B Residential Insecticide	20% + 20% WG	- outdoor residential ornamentals
100-1424	Spinner Insecticide	20% + 20% WG	- turfgrass (residential & public including golf courses) - sod farms - ornamentals, non-bearing fruit and nut trees, and forest seedlings in commercial greenhouse, nurseries, and interiorscapes - certain crop plants grown for sale as transplants to consumers (only): .vegetable, Brassica leafy 5 .vegetable, cucurbit 9 .vegetable, fruiting 8-10

APPENDIX C

Appendix I LOCATES Endangered Species List

Based on the following crops: almonds, apples, apricots, artichokes, beets, bittermelon, blueberries, broccoli, Brussels sprouts, Chinese cabbage, head cabbage, mustard cabbage, cantaloupe, canola, cassava, cauliflower, celery, cherries, chestnut, Christmas trees, citron, citrus, collards, cotton, crambe, cucumbers and pickles, currants, eggplant, endive and escarole, garlic, grapefruit, hazelnuts, honeydew melon, jojoba harvest, kale, kumquats, lemons, lemons and limes, lettuce, limes, macadamia nuts, muskmelons and pepinos, mustard greens, mustard seed, nectarines, nuts, okra, onions, oranges, orchards, peaches, pears, pecans, peppers, persimmons, pistachios, plums and prunes, pluots, potatoes, pumpkins, rapeseed, rhubarb, sesame, sod harvested, spinach, squash, sunflower seed, sweet potatoes, tangelos, tangerines, tomatoes, walnuts, watermelons, woodlands, and yams.

INVNAME	SCINAME	Status	STATE NAME	Taxon
Salamander, Frosted Flatwoods	<i>Ambystoma cingulatum</i>	T	Alabama	Amphibian
Salamander, Red Hills	<i>Phaeognathus hubrichti</i>	T	Alabama	Amphibian
Stork, Wood	<i>Mycteria americana</i>	E	Alabama	Bird
Tern, Interior (population) Least	<i>Sterna antillarum</i>	E	Alabama	Bird
Woodpecker, Red-cockaded	<i>Picoides borealis</i>	E	Alabama	Bird
Plover, Piping	<i>Charadrius melodus</i>	E/T	Alabama	Bird
Alabama pearlshell	<i>Margaritifera marrianae</i>	E	Alabama	Bivalve
Choctaw Bean	<i>Villosa choctawensis</i>	E	Alabama	Bivalve
Combshell, Southern (=Penitent mussel)	<i>Epioblasma penita</i>	E	Alabama	Bivalve
Combshell, Upland	<i>Epioblasma metastrata</i>	E	Alabama	Bivalve
Fanshell	<i>Cyprogenia stegaria</i>	E	Alabama	Bivalve
Kidneyshell, Triangular	<i>Ptychobranthus greenii</i>	E	Alabama	Bivalve
Mucket, Pink (Pearlymussel)	<i>Lampsilis abrupta</i>	E	Alabama	Bivalve
Mussel, Acornshell Southern	<i>Epioblasma othcaloogensis</i>	E	Alabama	Bivalve
Mussel, Coosa Moccasinshell	<i>Medionidus parvulus</i>	E	Alabama	Bivalve

INVNAME	SCINAME	Status	STATE NAME	Taxon
Mussel, Cumberland Combshell	<i>Epioblasma brevidens</i>	E	Alabama	Bivalve
Mussel, Dark Pigtoe	<i>Pleurobema furvum</i>	E	Alabama	Bivalve
Mussel, Fine-rayed Pigtoe	<i>Fusconaia cuneolus</i>	E	Alabama	Bivalve
Mussel, Flat Pigtoe (=Marshall's Mussel)	<i>Pleurobema marshalli</i>	E	Alabama	Bivalve
Mussel, Georgia pigtoe	<i>Pleurobema hanleyianum</i>	E	Alabama	Bivalve
Mussel, Gulf Moccasinshell	<i>Medionidus penicillatus</i>	E	Alabama	Bivalve
Mussel, Heavy Pigtoe (=Judge Tait's Mussel)	<i>Pleurobema taitianum</i>	E	Alabama	Bivalve
Mussel, Oval Pigtoe	<i>Pleurobema pyriforme</i>	E	Alabama	Bivalve
Mussel, Ovate Clubshell	<i>Pleurobema perovatum</i>	E	Alabama	Bivalve
Mussel, Ring Pink (=Golf Stick Pearly)	<i>Obovaria retusa</i>	E	Alabama	Bivalve
Mussel, Rough Pigtoe	<i>Pleurobema plenum</i>	E	Alabama	Bivalve
Mussel, Shiny Pigtoe	<i>Fusconaia cor</i>	E	Alabama	Bivalve
Mussel, Shiny-rayed Pocketbook	<i>Lampsilis subangulata</i>	E	Alabama	Bivalve
Mussel, snuffbox	<i>Epioblasma triquetra</i>	E	Alabama	Bivalve
Mussel, Southern Clubshell	<i>Pleurobema decisum</i>	E	Alabama	Bivalve
Mussel, Southern Pigtoe	<i>Pleurobema georgianum</i>	E	Alabama	Bivalve
Pearlymussel, Alabama Lamp	<i>Lampsilis virescens</i>	E	Alabama	Bivalve
Pearlymussel, Cracking	<i>Hemistena lata</i>	E	Alabama	Bivalve
Pearlymussel, Cumberland Monkeyface	<i>Quadrula intermedia</i>	E	Alabama	Bivalve

INVNAME	SCINAME	Status	STATE NAME	Taxon
Pearlymussel, Orange-footed	<i>Plethobasus cooperianus</i>	E	Alabama	Bivalve
Pearlymussel, Pale Lilliput	<i>Toxolasma cylindrellus</i>	E	Alabama	Bivalve
Pearlymussel, Turgid-blossom	<i>Epioblasma turgidula</i>	E	Alabama	Bivalve
Pearlymussel, White Wartyback	<i>Plethobasus cicatricosus</i>	E	Alabama	Bivalve
Round Ebonyshell	<i>Fusconaia rotulata</i>	E	Alabama	Bivalve
Sheepnose mussel	<i>Plethobasus cyphus</i>	E	Alabama	Bivalve
Southern Kidneyshell	<i>Ptychobranthus jonesi</i>	E	Alabama	Bivalve
Spectaclecase mussel	<i>Cumberlandia monodonta</i>	E	Alabama	Bivalve
Stirrupshell	<i>Quadrula stapes</i>	E	Alabama	Bivalve
Bankclimber, Purple	<i>Elliptoideus sloatianus</i>	T	Alabama	Bivalve
fuzzy pigtoe	<i>Pleurobema strodeanum</i>	T	Alabama	Bivalve
Mucket, Orange-nacre	<i>Lampsilis perovalis</i>	T	Alabama	Bivalve
Mussel, Alabama Moccasinshell	<i>Medionidus acutissimus</i>	T	Alabama	Bivalve
Mussel, Fine-lined Pocketbook	<i>Lampsilis atilis</i>	T	Alabama	Bivalve
Mussel, Heelsplitter Inflated	<i>Potamilus inflatus</i>	T	Alabama	Bivalve
Narrow Pigtoe	<i>Fusconaia escambia</i>	T	Alabama	Bivalve
Southern Sandshell	<i>Hamiota australis</i>	T	Alabama	Bivalve
Tapered Pigtoe	<i>Fusconaia burkei</i>	T	Alabama	Bivalve
Shrimp, Alabama Cave	<i>Palaemonias alabamae</i>	E	Alabama	Crustacean
Chaffseed, American	<i>Schwalbea americana</i>	E	Alabama	Dicot
Clover, Leafy Prairie	<i>Dalea foliosa</i>	E	Alabama	Dicot
Harperella	<i>Prilimnium nodosum</i>	E	Alabama	Dicot
Leather-flower, Alabama	<i>Clematis socialis</i>	E	Alabama	Dicot

INVNAME	SCINAME	Status	STATE NAME	Taxon
Leather-flower, Morefield's	<i>Clematis morefieldii</i>	E	Alabama	Dicot
Pinkroot, Gentian	<i>Spigelia gentianoides</i>	E	Alabama	Dicot
Pitcher-plant, Alabama Canebrake	<i>Sarracenia rubra alabamensis</i>	E	Alabama	Dicot
Pitcher-plant, Green	<i>Sarracenia oreophila</i>	E	Alabama	Dicot
Pondberry	<i>Lindera melissifolia</i>	E	Alabama	Dicot
Amphianthus, Little	<i>Amphianthus pusillus</i>	T	Alabama	Dicot
Barbara Buttons, Mohr's	<i>Marshallia mohrii</i>	T	Alabama	Dicot
Bladderpod, Lyrate	<i>Lesquerella lyrata</i>	T	Alabama	Dicot
Potato-bean, Price's	<i>Apios priceana</i>	T	Alabama	Dicot
Quillwort, Louisiana	<i>Isoetes louisianensis</i>	E	Alabama	Ferns
Fern, Alabama Streak-sorus	<i>Thelypteris pilosa var. alabamensis</i>	T	Alabama	Ferns
Fern, American hart's-tongue	<i>Asplenium scolopendrium var. americanum</i>	T	Alabama	Ferns
Cavefish, Alabama	<i>Speoplatyrhinus poulsoni</i>	E	Alabama	Fish
Darter, Boulder	<i>Etheostoma wapiti</i>	E	Alabama	Fish
Darter, Vermilion	<i>Etheostoma chermocki</i>	E	Alabama	Fish
Darter, Watercress	<i>Etheostoma nuchale</i>	E	Alabama	Fish
Rush darter	<i>Etheostoma phytophilum</i>	E	Alabama	Fish
Shiner, Cahaba	<i>Notropis cahabae</i>	E	Alabama	Fish
Shiner, Palezone	<i>Notropis albizonatus</i>	E	Alabama	Fish
Sturgeon, Alabama	<i>Scaphirhynchus suttkusi</i>	E	Alabama	Fish
Chub, Spotfin	<i>Erimonax monachus</i>	T	Alabama	Fish
Darter, Goldline	<i>Percina aurolineata</i>	T	Alabama	Fish
Darter, Slackwater	<i>Etheostoma boschungii</i>	T	Alabama	Fish
Darter, Snail	<i>Percina tanasi</i>	T	Alabama	Fish

INVNAME	SCINAME	Status	STATE NAME	Taxon
Sculpin, Pygmy	<i>Cottus paulus (=pygmaeus)</i>	T	Alabama	Fish
Shiner, Blue	<i>Cyprinella caerulea</i>	T	Alabama	Fish
Sturgeon, Gulf	<i>Acipenser oxyrinchus desotoi</i>	T	Alabama	Fish
Campeloma, Slender	<i>Campeloma decampi</i>	E	Alabama	Gastropod
Hornsnail, rough	<i>Pleurocera foremani</i>	E	Alabama	Gastropod
Pebblesnail, Flat	<i>Lepyrium showalteri</i>	E	Alabama	Gastropod
Riversnail, Anthony's	<i>Athearnia anthonyi</i>	E	Alabama	Gastropod
Rocksnail, interrupted	<i>Leptoxis foremani</i>	E	Alabama	Gastropod
Rocksnail, Plicate	<i>Leptoxis plicata</i>	E	Alabama	Gastropod
Snail, Armored	<i>Pyrgulopsis (=Marstonia) pachyta</i>	E	Alabama	Gastropod
Snail, Lioplax Cylindrical	<i>Lioplax cyclostomaformis</i>	E	Alabama	Gastropod
Elimia, Lacy	<i>Elimia crenatella</i>	T	Alabama	Gastropod
Rocksnail, Painted	<i>Leptoxis taeniata</i>	T	Alabama	Gastropod
Rocksnail, Round	<i>Leptoxis ampla</i>	T	Alabama	Gastropod
Snail, Tulotoma	<i>Tulotoma magnifica</i>	T	Alabama	Gastropod
Butterfly, Mitchell's Satyr	<i>Neonympha mitchellii mitchellii</i>	E	Alabama	Insect
Dragonfly, Hine's Emerald	<i>Somatochlora hineana</i>	E	Alabama	Insect
Bat, Gray	<i>Myotis grisescens</i>	E	Alabama	Mammal
Bat, Indiana	<i>Myotis sodalis</i>	E	Alabama	Mammal
Manatee, West Indian	<i>Trichechus manatus</i>	E	Alabama	Mammal
Mouse, Alabama Beach	<i>Peromyscus polionotus ammobates</i>	E	Alabama	Mammal
Mouse, Perdido Key Beach	<i>Peromyscus polionotus trissyllepsis</i>	E	Alabama	Mammal
Whale, Blue	<i>Balaenoptera musculus</i>	E	Alabama	Mammal

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Bulrush, Northeastern (=Barbed Bristle)	<i>Scirpus ancistrochaetus</i>	E	Alabama	Monocot
Grass, Tennessee Yellow-eyed	<i>Xyris tennesseensis</i>	E	Alabama	Monocot
Trillium, Relict	<i>Trillium reliquum</i>	E	Alabama	Monocot
Water-plantain, Kral's	<i>Sagittaria secundifolia</i>	T	Alabama	Monocot
Sea turtle, hawksbill	<i>Eretmochelys imbricata</i>	E	Alabama	Reptile
Sea turtle, Kemp's ridley	<i>Lepidochelys kempii</i>	E	Alabama	Reptile
Sea turtle, leatherback	<i>Dermochelys coriacea</i>	E	Alabama	Reptile
Turtle, Alabama Red-bellied	<i>Pseudemys alabamensis</i>	E	Alabama	Reptile
Sea turtle, green	<i>Chelonia mydas</i>	E/T	Alabama	Reptile
Sea turtle, loggerhead	<i>Caretta caretta</i>	E/T	Alabama	Reptile
Snake, Eastern Indigo	<i>Drymarchon corais couperi</i>	T	Alabama	Reptile
Tortoise, Gopher	<i>Gopherus polyphemus</i>	T	Alabama	Reptile
Turtle, Flattened Musk	<i>Sternotherus depressus</i>	T	Alabama	Reptile
Albatross, Short-tailed	<i>Phoebastria (=Diomedea) albatrus</i>	E	Alaska	Bird
Curlew, Eskimo	<i>Numenius borealis</i>	E	Alaska	Bird
Eider, Steller's	<i>Polysticta stelleri</i>	T	Alaska	Bird
Bison, Wood	<i>Bison bison athabascaae</i>	E	Alaska	Mammal
Whale, beluga	<i>Delphinapterus leucas</i>	E	Alaska	Mammal
Whale, Blue	<i>Balaenoptera musculus</i>	E	Alaska	Mammal
Whale, Bowhead	<i>Balaena mysticetus</i>	E	Alaska	Mammal
Whale, Finback	<i>Balaenoptera physalus</i>	E	Alaska	Mammal
Whale, Gray	<i>Eschrichtius robustus</i>	E	Alaska	Mammal

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Whale, Humpback	<i>Megaptera novaeangliae</i>	E	Alaska	Mammal
Whale, North Pacific right	<i>Eubalaena japonica</i>	E	Alaska	Mammal
Whale, Sei	<i>Balaenoptera borealis</i>	E	Alaska	Mammal
Whale, Sperm	<i>Physeter catodon</i> (= <i>macrocephalus</i>)	E	Alaska	Mammal
Sea-lion, Steller	<i>Eumetopias jubatus</i>	E/T	Alaska	Mammal
Otter, Northern Sea	<i>Enhydra lutris kenyoni</i>	T	Alaska	Mammal
Seal, spotted	<i>Phoca largha</i>	T	Alaska	Mammal
Sea turtle, leatherback	<i>Dermochelys coriacea</i>	E	Alaska	Reptile
Salamander, Sonora Tiger	<i>Ambystoma tigrinum stebbinsi</i>	E	Arizona	Amphibian
Frog, Chiricahua Leopard	<i>Rana chiricahuensis</i>	T	Arizona	Amphibian
Bobwhite, Masked	<i>Colinus virginianus ridgwayi</i>	E	Arizona	Bird
Condor, California	<i>Gymnogyps californianus</i>	E	Arizona	Bird
Falcon, Northern Aplomado	<i>Falco femoralis septentrionalis</i>	E	Arizona	Bird
Flycatcher, Southwestern Willow	<i>Empidonax traillii extimus</i>	E	Arizona	Bird
Rail, Yuma Clapper	<i>Rallus longirostris yumanensis</i>	E	Arizona	Bird
Owl, Mexican Spotted	<i>Strix occidentalis lucida</i>	T	Arizona	Bird
Blue-star, Kearney's	<i>Amsonia kearneyana</i>	E	Arizona	Dicot
Cactus, Arizona Hedgehog	<i>Echinocereus triglochidiatus</i> <i>var. arizonicus</i>	E	Arizona	Dicot
Cactus, Brady Pincushion	<i>Pediocactus bradyi</i>	E	Arizona	Dicot
Cactus, Nichol's Turk's Head	<i>Echinocactus horizonthalonius</i> <i>var. nicholii</i>	E	Arizona	Dicot

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Cactus, Peebles Navajo	<i>Pediocactus peeblesianus peeblesianus</i>	E	Arizona	Dicot
Cactus, Pima Pineapple	<i>Coryphantha scheeri var. robustispina</i>	E	Arizona	Dicot
Cliffrose, Arizona	<i>Purshia (=cowania) subintegra</i>	E	Arizona	Dicot
Milk-vetch, Holmgren	<i>Astragalus holmgreniorum</i>	E	Arizona	Dicot
Milk-vetch, Sentry	<i>Astragalus cremnophylax var. cremnophylax</i>	E	Arizona	Dicot
Umbel, Huachuca Water	<i>Lilaeopsis schaffneriana var. recurva</i>	E	Arizona	Dicot
Cactus, Cochise Pincushion	<i>Coryphantha robbinsorum</i>	T	Arizona	Dicot
Cactus, Siler Pincushion	<i>Pediocactus (=Echinocactus,=Utahia) sileri</i>	T	Arizona	Dicot
Cycladenia, Jones	<i>Cycladenia jonesii (=humilis)</i>	T	Arizona	Dicot
Fleabane, Zuni	<i>Erigeron rhizomatus</i>	T	Arizona	Dicot
Groundsel, San Francisco Peaks	<i>Senecio franciscanus</i>	T	Arizona	Dicot
Milkweed, Welsh's	<i>Asclepias welshii</i>	T	Arizona	Dicot
Chub, Bonytail	<i>Gila elegans</i>	E	Arizona	Fish
Chub, Gila	<i>Gila intermedia</i>	E	Arizona	Fish
Chub, Humpback	<i>Gila cypha</i>	E	Arizona	Fish
Chub, Virgin River	<i>Gila seminuda (=robusta)</i>	E	Arizona	Fish
Chub, Yaqui	<i>Gila purpurea</i>	E	Arizona	Fish
Minnow, Loach	<i>Tiaroga cobitis</i>	E	Arizona	Fish
Pupfish, Desert	<i>Cyprinodon macularius</i>	E	Arizona	Fish
Spikedace	<i>Meda fulgida</i>	E	Arizona	Fish
Squawfish, Colorado	<i>Ptychocheilus lucius</i>	E	Arizona	Fish
Sucker, Razorback	<i>Xyrauchen texanus</i>	E	Arizona	Fish

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Topminnow, Gila (Yaqui)	<i>Poeciliopsis occidentalis</i>	E	Arizona	Fish
Trout, Gila	<i>Oncorhynchus gilae</i>	E	Arizona	Fish
Woundfin	<i>Plagopterus argentissimus</i>	E	Arizona	Fish
Steelhead	<i>Oncorhynchus (=Salmo) mykiss</i>	E/T	Arizona	Fish
Catfish, Yaqui	<i>Ictalurus pricei</i>	T	Arizona	Fish
Chub, Sonora	<i>Gila ditaenia</i>	T	Arizona	Fish
Shiner, Beautiful	<i>Cyprinella formosa</i>	T	Arizona	Fish
Spinedace, Little Colorado	<i>Lepidomeda vittata</i>	T	Arizona	Fish
Trout, Apache	<i>Oncorhynchus apache</i>	T	Arizona	Fish
Ambersnail, Kanab	<i>Oxyloma haydeni kanabensis</i>	E	Arizona	Gastropod
Springsnail, San Bernardino	<i>Pyrgulopsis bernardina</i>	E	Arizona	Gastropod
Springsnail, Three Forks	<i>Pyrgulopsis trivialis</i>	E	Arizona	Gastropod
Bat, Lesser (=Sanborn's) Long-nosed	<i>Leptonycteris curasoae yerbabuena</i>	E	Arizona	Mammal
Ferret, Black-footed	<i>Mustela nigripes</i>	E	Arizona	Mammal
Jaguar	<i>Panthera onca</i>	E	Arizona	Mammal
Jaguarundi, Sinaloan	<i>Herpailurus (=Felis) yagouaroundi tolteca</i>	E	Arizona	Mammal
Ocelot	<i>Leopardus (=Felis) pardalis</i>	E	Arizona	Mammal
Pronghorn, Sonoran	<i>Antilocapra americana sonoriensis</i>	E	Arizona	Mammal
Squirrel, Mount Graham Red	<i>Tamiasciurus hudsonicus grahamensis</i>	E	Arizona	Mammal
Vole, Hualapai Mexican	<i>Microtus mexicanus hualpaiensis</i>	E	Arizona	Mammal
Ladies'-tresses, Canelo Hills	<i>Spiranthes delitescens</i>	E	Arizona	Monocot

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Sedge, Navajo	<i>Carex specuicola</i>	T	Arizona	Monocot
Rattlesnake, New Mexican Ridge-nosed	<i>Crotalus willardi obscurus</i>	T	Arizona	Reptile
Tortoise, Desert	<i>Gopherus agassizii</i>	T	Arizona	Reptile
Ozark Hellbender	<i>Cryptobranchus alleganiensis bishopi</i>	E	Arkansas	Amphibian
Tern, Interior (population) Least	<i>Sterna antillarum</i>	E	Arkansas	Bird
Warbler, Bachman's	<i>Vermivora bachmanii</i>	E	Arkansas	Bird
Woodpecker, Ivory-billed	<i>Campephilus principalis</i>	E	Arkansas	Bird
Woodpecker, Red-cockaded	<i>Picoides borealis</i>	E	Arkansas	Bird
Mucket, Pink (Pearlymussel)	<i>Lampsilis abrupta</i>	E	Arkansas	Bivalve
Mussel, Scaleshell	<i>Leptodea leptodon</i>	E	Arkansas	Bivalve
Mussel, snuffbox	<i>Epioblasma triquetra</i>	E	Arkansas	Bivalve
Mussel, Speckled Pocketbook	<i>Lampsilis streckeri</i>	E	Arkansas	Bivalve
Mussel, Winged Mapleleaf	<i>Quadrula fragosa</i>	E	Arkansas	Bivalve
Pearlymussel, Curtis'	<i>Epioblasma florentina curtisii</i>	E	Arkansas	Bivalve
Pearlymussel, Fat Pocketbook	<i>Potamilus capax</i>	E	Arkansas	Bivalve
Pearlymussel, Turgid-blossom	<i>Epioblasma turgidula</i>	E	Arkansas	Bivalve
Rock-pocketbook, Ouachita (=Wheeler's pm)	<i>Arkansia wheeleri</i>	E	Arkansas	Bivalve
Spectaclecase mussel	<i>Cumberlandia monodonta</i>	E	Arkansas	Bivalve
Fatmucket, Arkansas	<i>Lampsilis powelli</i>	T	Arkansas	Bivalve
Crayfish, Cave (Cambarus aculabrum)	<i>Cambarus aculabrum</i>	E	Arkansas	Crustacean

INVNAME	SCINAME	Status	STATE NAME	Taxon
Crayfish, Cave (<i>Cambarus zophonastes</i>)	<i>Cambarus zophonastes</i>	E	Arkansas	Crustacean
Clover, Running Buffalo	<i>Trifolium stoloniferum</i>	E	Arkansas	Dicot
Harperella	<i>Ptilimnium nodosum</i>	E	Arkansas	Dicot
Pondberry	<i>Lindera melissifolia</i>	E	Arkansas	Dicot
Bladderpod, Missouri	<i>Lesquerella filiformis</i>	T	Arkansas	Dicot
Catchfly, Spalding's	<i>Silene spaldingii</i>	T	Arkansas	Dicot
Fruit, Earth (=geocarpon)	<i>Geocarpon minimum</i>	T	Arkansas	Dicot
Sturgeon, Pallid	<i>Scaphirhynchus albus</i>	E	Arkansas	Fish
Yellowcheek darter	<i>Etheostoma moorei</i>	E	Arkansas	Fish
Cavefish, Ozark	<i>Amblyopsis rosae</i>	T	Arkansas	Fish
Darter, Leopard	<i>Percina pantherina</i>	T	Arkansas	Fish
Shiner, Arkansas River	<i>Notropis girardi</i>	T	Arkansas	Fish
Trout, Bull	<i>Salvelinus confluentus</i>	T	Arkansas	Fish
Shagreen, Magazine Mountain	<i>Mesodon magazinensis</i>	T	Arkansas	Gastropod
Beetle, American Burying	<i>Nicrophorus americanus</i>	E	Arkansas	Insect
Bat, Gray	<i>Myotis grisescens</i>	E	Arkansas	Mammal
Bat, Indiana	<i>Myotis sodalis</i>	E	Arkansas	Mammal
Bat, Ozark Big-eared	<i>Corynorhinus (=Plecotus) townsendii ingens</i>	E	Arkansas	Mammal
Panther, Florida	<i>Puma (=Felis) concolor coryi</i>	E	Arkansas	Mammal
Rabbit, Pygmy	<i>Brachylagus idahoensis</i>	E	Arkansas	Mammal
Ladies'-tresses, Ute	<i>Spiranthes diluvialis</i>	T	Arkansas	Monocot
Frog, Mountain Yellow-legged	<i>Rana muscosa</i>	E	California	Amphibian
Salamander, California Tiger	<i>Ambystoma californiense</i>	E	California	Amphibian

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Salamander, Desert Slender	<i>Batrachoseps aridus</i>	E	California	Amphibian
Salamander, Santa Cruz Long-toed	<i>Ambystoma macrodactylum croceum</i>	E	California	Amphibian
Toad, Arroyo Southwestern	<i>Bufo californicus</i> (= <i>microscaphus</i>)	E	California	Amphibian
Frog, California Red-legged	<i>Rana aurora draytonii</i>	T	California	Amphibian
Albatross, Short-tailed	<i>Phoebastria</i> (=Diomedea) <i>albatrus</i>	E	California	Bird
Condor, California	<i>Gymnogyps californianus</i>	E	California	Bird
Flycatcher, Southwestern Willow	<i>Empidonax traillii extimus</i>	E	California	Bird
Rail, California Clapper	<i>Rallus longirostris obsoletus</i>	E	California	Bird
Rail, Light-footed Clapper	<i>Rallus longirostris levipes</i>	E	California	Bird
Rail, Yuma Clapper	<i>Rallus longirostris yumanensis</i>	E	California	Bird
Shrike, San Clemente Loggerhead	<i>Lanius ludovicianus mearnsi</i>	E	California	Bird
Tern, California Least	<i>Sterna antillarum browni</i>	E	California	Bird
Vireo, Least Bell's	<i>Vireo bellii pusillus</i>	E	California	Bird
Gnatcatcher, Coastal California	<i>Poliopitila californica californica</i>	T	California	Bird
Murrelet, Marbled	<i>Brachyramphus marmoratus</i>	T	California	Bird
Owl, Northern Spotted	<i>Strix occidentalis caurina</i>	T	California	Bird
Plover, Western Snowy	<i>Charadrius alexandrinus nivosus</i>	T	California	Bird
Sparrow, San Clemente Sage	<i>Amphispiza belli clementeae</i>	T	California	Bird

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Towhee, Inyo Brown	<i>Pipilo crissalis eremophilus</i>	T	California	Bird
Cypress, Santa Cruz	<i>Cupressus abramsiana</i>	E	California	Conf/cycds
Cypress, Gowen	<i>Cupressus goveniana ssp. goveniana</i>	T	California	Conf/cycds
Crayfish, Shasta	<i>Pacifastacus fortis</i>	E	California	Crustacean
Fairy Shrimp, Conservancy Fairy	<i>Branchinecta conservatio</i>	E	California	Crustacean
Fairy Shrimp, Longhorn	<i>Branchinecta longiantenna</i>	E	California	Crustacean
Fairy Shrimp, Riverside	<i>Streptocephalus woottoni</i>	E	California	Crustacean
Fairy Shrimp, San Diego	<i>Branchinecta sandiegonensis</i>	E	California	Crustacean
Shrimp, California Freshwater	<i>Syncaris pacifica</i>	E	California	Crustacean
Tadpole Shrimp, Vernal Pool	<i>Lepidurus packardii</i>	E	California	Crustacean
Fairy Shrimp, Vernal Pool	<i>Branchinecta lynchi</i>	T	California	Crustacean
Allocarya, Calistoga	<i>Plagiobothrys strictus</i>	E	California	Dicot
Ambrosia, San Diego	<i>Ambrosia pumila</i>	E	California	Dicot
Barberry, Island	<i>Berberis pinnata ssp. insularis</i>	E	California	Dicot
Barberry, Nevin's	<i>Berberis nevinii</i>	E	California	Dicot
Bedstraw, El Dorado	<i>Galium californicum ssp. sierrae</i>	E	California	Dicot
Bedstraw, Island	<i>Galium buxifolium</i>	E	California	Dicot
Bird's-beak, Palmate-bracted	<i>Cordylanthus palmatus</i>	E	California	Dicot
Bird's-beak, Pennell's	<i>Cordylanthus tenuis ssp. capillaris</i>	E	California	Dicot
Bird's-beak, salt marsh	<i>Cordylanthus maritimus ssp. maritimus</i>	E	California	Dicot
Bird's-beak, Soft	<i>Cordylanthus mollis ssp. mollis</i>	E	California	Dicot

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Bladderpod, San Bernardino Mountains	<i>Lesquerella kingii</i> ssp. <i>bernardina</i>	E	California	Dicot
Broom, San Clemente Island	<i>Lotus dendroideus</i> ssp. <i>traskiae</i>	E	California	Dicot
Buckwheat, Cushenbury	<i>Eriogonum ovalifolium</i> var. <i>vineum</i>	E	California	Dicot
Buckwheat, Ione (incl. Irish Hill)	<i>Eriogonum apricum</i> (incl. var. <i>prostratum</i>)	E	California	Dicot
Bush-mallow, San Clemente Island	<i>Malacothamnus clementinus</i>	E	California	Dicot
Bush-mallow, Santa Cruz Island	<i>Malacothamnus fasciculatus</i> var. <i>nesioticus</i>	E	California	Dicot
Button-celery, San Diego	<i>Eryngium aristulatum</i> var. <i>parishii</i>	E	California	Dicot
Cactus, Bakersfield	<i>Opuntia treleasei</i>	E	California	Dicot
Ceanothus, Coyote	<i>Ceanothus ferrisae</i>	E	California	Dicot
Ceanothus, Pine Hill	<i>Ceanothus roderickii</i>	E	California	Dicot
Checker-mallow, Keck's	<i>Sidalcea keckii</i>	E	California	Dicot
Checker-mallow, Kenwood Marsh	<i>Sidalcea oregana</i> ssp. <i>valida</i>	E	California	Dicot
Checker-mallow, Pedate	<i>Sidalcea pedata</i>	E	California	Dicot
Clarkia, Pismo	<i>Clarkia speciosa</i> ssp. <i>immaculata</i>	E	California	Dicot
Clarkia, Presidio	<i>Clarkia franciscana</i>	E	California	Dicot
Clarkia, Vine Hill	<i>Clarkia imbricata</i>	E	California	Dicot
Clover, Monterey	<i>Trifolium trichocalyx</i>	E	California	Dicot
Clover, Showy Indian	<i>Trifolium amoenum</i>	E	California	Dicot
Coyote-thistle, Loch Lomond	<i>Eryngium constancei</i>	E	California	Dicot
Crownscale, San Jacinto Valley	<i>Atriplex coronata</i> var. <i>notatior</i>	E	California	Dicot

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Dudleya, Santa Clara Valley	<i>Dudleya setchellii</i>	E	California	Dicot
Evening-primrose, Antioch Dunes	<i>Oenothera deltooides ssp. howellii</i>	E	California	Dicot
Evening-primrose, Eureka Valley	<i>Oenothera avita ssp. eurekaensis</i>	E	California	Dicot
Fiddleneck, Large-flowered	<i>Amsinckia grandiflora</i>	E	California	Dicot
Flannelbush, Mexican	<i>Fremontodendron mexicanum</i>	E	California	Dicot
Flannelbush, Pine Hill	<i>Fremontodendron californicum ssp. decumbens</i>	E	California	Dicot
Fringepod, Santa Cruz Island	<i>Thysanocarpus conchuliferus</i>	E	California	Dicot
Gilia, Hoffmann's Slender-flowered	<i>Gilia tenuiflora ssp. hoffmannii</i>	E	California	Dicot
Gilia, Monterey	<i>Gilia tenuiflora ssp. arenaria</i>	E	California	Dicot
Golden Sunburst, Hartweg's	<i>Pseudobahia bahiifolia</i>	E	California	Dicot
Goldfields, Burke's	<i>Lasthenia burkei</i>	E	California	Dicot
Goldfields, Contra Costa	<i>Lasthenia conjugens</i>	E	California	Dicot
Grass, Hairy Orcutt	<i>Orcuttia pilosa</i>	E	California	Dicot
Grass, Sacramento Orcutt	<i>Orcuttia viscida</i>	E	California	Dicot
Jewelflower, California	<i>Caulanthus californicus</i>	E	California	Dicot
Jewelflower, Metcalf Canyon	<i>Streptanthus albidus ssp. albidus</i>	E	California	Dicot
Jewelflower, Tiburon	<i>Streptanthus niger</i>	E	California	Dicot
Larkspur, Baker's	<i>Delphinium bakeri</i>	E	California	Dicot
Larkspur, San Clemente Island	<i>Delphinium variegatum ssp. kinkiense</i>	E	California	Dicot
Larkspur, Yellow	<i>Delphinium luteum</i>	E	California	Dicot
Layia, Beach	<i>Layia carnosa</i>	E	California	Dicot

INVNAME	SCINAME	Status	STATE NAME	Taxon
Lessingia, San Francisco	<i>Lessingia germanorum</i> (= <i>L.g. var. germanorum</i>)	E	California	Dicot
Liveforever, Santa Barbara Island	<i>Dudleya traskiae</i>	E	California	Dicot
Lupine, Clover	<i>Lupinus tidestromii</i>	E	California	Dicot
Lupine, Nipomo Mesa	<i>Lupinus nipomensis</i>	E	California	Dicot
Malacothrix, Island	<i>Malacothrix squalida</i>	E	California	Dicot
Malacothrix, Santa Cruz Island	<i>Malacothrix indecora</i>	E	California	Dicot
Mallow, Kern	<i>Eremalche kernensis</i>	E	California	Dicot
Manzanita, Del Mar	<i>Arctostaphylos glandulosa</i> <i>ssp. crassifolia</i>	E	California	Dicot
Manzanita, Santa Rosa Island	<i>Arctostaphylos confertiflora</i>	E	California	Dicot
Meadowfoam, Butte County	<i>Limnanthes floccosa ssp. californica</i>	E	California	Dicot
Meadowfoam, Sebastopol	<i>Limnanthes vinculans</i>	E	California	Dicot
Milk-vetch, Applegate's	<i>Astragalus applegatei</i>	E	California	Dicot
Milk-vetch, Braunton's	<i>Astragalus brauntonii</i>	E	California	Dicot
Milk-vetch, Clara Hunt's	<i>Astragalus clarianus</i>	E	California	Dicot
Milk-vetch, Coachella Valley	<i>Astragalus lentiginosus var. coachellae</i>	E	California	Dicot
Milk-vetch, Coastal Dunes	<i>Astragalus tener var. titi</i>	E	California	Dicot
Milk-vetch, Cushenbury	<i>Astragalus albens</i>	E	California	Dicot
Milk-vetch, Lane Mountain	<i>Astragalus jaegerianus</i>	E	California	Dicot
Milk-vetch, Triple-ribbed	<i>Astragalus tricarinatus</i>	E	California	Dicot

INVNAME	SCINAME	Status	STATE NAME	Taxon
Milk-vetch, Ventura Marsh	<i>Astragalus pycnostachyus</i> <i>var. lanosissimus</i>	E	California	Dicot
Mint, Otay Mesa	<i>Pogogyne nudiuscula</i>	E	California	Dicot
Mint, San Diego Mesa	<i>Pogogyne abramsii</i>	E	California	Dicot
Monardella, Willowy	<i>Monardella linooides</i> ssp. <i>viminea</i>	E	California	Dicot
Morning-glory, Stebbins	<i>Calystegia stebbinsii</i>	E	California	Dicot
Mountainbalm, Indian Knob	<i>Eriodictyon altissimum</i>	E	California	Dicot
Mountain-mahogany, Catalina Island	<i>Cercocarpus traskiae</i>	E	California	Dicot
Mustard, Slender-petaled	<i>Thelypodium stenopetalum</i>	E	California	Dicot
Navarretia, Few-flowered	<i>Navarretia leucocephala</i> ssp. <i>Pauciflora</i>	E	California	Dicot
Navarretia, Many-flowered	<i>Navarretia leucocephala</i> ssp. <i>plieantha</i>	E	California	Dicot
Niterwort, Amargosa	<i>Nitrophila mohavensis</i>	E	California	Dicot
Oxytheca, Cushenbury	<i>Oxytheca parishii</i> var. <i>goodmaniana</i>	E	California	Dicot
Paintbrush, San Clemente Island Indian	<i>Castilleja grisea</i>	E	California	Dicot
Paintbrush, Soft-leaved	<i>Castilleja mollis</i>	E	California	Dicot
Paintbrush, Tiburon	<i>Castilleja affinis</i> ssp. <i>neglecta</i>	E	California	Dicot
Penny-cress, Kneeland Prairie	<i>Thlaspi californicum</i>	E	California	Dicot
Pentachaeta, Lyon's	<i>Pentachaeta lyonii</i>	E	California	Dicot
Pentachaeta, White-rayed	<i>Pentachaeta bellidiflora</i>	E	California	Dicot

INVNAME	SCINAME	Status	STATE NAME	Taxon
Phacelia, Island	<i>Phacelia insularis ssp. insularis</i>	E	California	Dicot
Phlox, Yreka	<i>Phlox hirsuta</i>	E	California	Dicot
Polygonum, Scott's Valley	<i>Polygonum hickmanii</i>	E	California	Dicot
Potentilla, Hickman's	<i>Potentilla hickmanii</i>	E	California	Dicot
Rock-cress, Hoffmann's	<i>Arabis hoffmannii</i>	E	California	Dicot
Rock-cress, McDonald's	<i>Arabis mcdonaldiana</i>	E	California	Dicot
Rock-cress, Santa Cruz Island	<i>Sibara filifolia</i>	E	California	Dicot
San Francisco manzanita	<i>Arctostaphylos franciscana</i>	E	California	Dicot
Sandwort, Marsh	<i>Arenaria paludicola</i>	E	California	Dicot
Sea-blite, California	<i>Suaeda californica</i>	E	California	Dicot
Spineflower, Ben Lomond	<i>Chorizanthe pungens var. hartwegiana</i>	E	California	Dicot
Spineflower, Howell's	<i>Chorizanthe howellii</i>	E	California	Dicot
Spineflower, Orcutt's	<i>Chorizanthe orcuttiana</i>	E	California	Dicot
Spineflower, Robust	<i>Chorizanthe robusta va r. robusta</i>	E	California	Dicot
Spineflower, Scotts Valley	<i>Chorizanthe robusta var. hartwegii</i>	E	California	Dicot
Spineflower, Slender-horned	<i>Dodecahema leptoceras</i>	E	California	Dicot
Spineflower, Sonoma	<i>Chorizanthe valida</i>	E	California	Dicot
Stickseed, Baker's	<i>Blennosperma bakeri</i>	E	California	Dicot
Stonecrop, Lake County	<i>Parvisedum leiocarpum</i>	E	California	Dicot
Sunflower, San Mateo Woolly	<i>Eriophyllum latilobum</i>	E	California	Dicot
Taraxacum, California	<i>Taraxacum californicum</i>	E	California	Dicot

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Tarplant, Gaviota	<i>Deinandra increscens ssp. villosa</i>	E	California	Dicot
Thistle, Chorro creek Bog	<i>Cirsium fontinale var. obispoense</i>	E	California	Dicot
Thistle, Fountain	<i>Cirsium fontinale var. fontinale</i>	E	California	Dicot
Thistle, La Graciosa	<i>Cirsium loncholepis</i>	E	California	Dicot
Thistle, Suisun	<i>Cirsium hydrophilum var. hydrophilum</i>	E	California	Dicot
Thornmint, San Mateo	<i>Acanthomintha obovata ssp. duttonii</i>	E	California	Dicot
Tuctoria, Green's	<i>Tuctoria greenei</i>	E	California	Dicot
Wallflower, Ben Lomond	<i>Erysimum teretifolium</i>	E	California	Dicot
Wallflower, Contra Costa	<i>Erysimum capitatum var. angustatum</i>	E	California	Dicot
Wallflower, Menzie's	<i>Erysimum menziesii</i>	E	California	Dicot
Watercress, Gambel's	<i>Rorippa gambellii</i>	E	California	Dicot
Woodland-star, San Clemente Island	<i>Lithophragma maximum</i>	E	California	Dicot
Woolly-star, Santa Ana River	<i>Eriastrum densifolium ssp. sanctorum</i>	E	California	Dicot
Woolly-threads, San Joaquin	<i>Monolopia (=Lembertia) congdonii</i>	E	California	Dicot
Yerba Santa, Lompoc	<i>Eriodictyon capitatum</i>	E	California	Dicot
Adobe Sunburst, San Joaquin	<i>Pseudobahia peirsonii</i>	T	California	Dicot
Baccharis, Encinitas	<i>Baccharis vanessae</i>	T	California	Dicot
Bluecurls, Hidden Lake	<i>Trichostema austromontanum ssp. compactum</i>	T	California	Dicot
Buckwheat, Southern Mountain Wild	<i>Eriogonum kennedyi var. austromontanum</i>	T	California	Dicot

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Butterweed, Layne's	<i>Senecio layneae</i>	T	California	Dicot
Ceanothus, Vail Lake	<i>Ceanothus ophiochilus</i>	T	California	Dicot
Centauray, Spring-loving	<i>Centaurium namophilum</i>	T	California	Dicot
Clarkia, Springville	<i>Clarkia springvillensis</i>	T	California	Dicot
Clover, Fleshy Owl's	<i>Castilleja campestris ssp. succulenta</i>	T	California	Dicot
Crownbeard, Big-leaved	<i>Verbesina dissita</i>	T	California	Dicot
Daisy, Parish's	<i>Erigeron parishii</i>	T	California	Dicot
Dudleya, Conejo	<i>Dudleya abramsii ssp. parva</i>	T	California	Dicot
Dudleya, Marcescent	<i>Dudleya cymosa ssp. marcescens</i>	T	California	Dicot
Dudleya, Santa Cruz Island	<i>Dudleya nesiotica</i>	T	California	Dicot
Dudleya, Santa Monica Mountains	<i>Dudleya cymosa ssp. ovatifolia</i>	T	California	Dicot
Dudleya, Verity's	<i>Dudleya verityi</i>	T	California	Dicot
Dwarf-flax, Marin	<i>Hesperolinon congestum</i>	T	California	Dicot
Evening-primrose, San Benito	<i>Camissonia benitensis</i>	T	California	Dicot
Grass, Slender Orcutt	<i>Orcuttia tenuis</i>	T	California	Dicot
Gumplant, Ash Meadows	<i>Grindelia fraxino-pratensis</i>	T	California	Dicot
Howellia, Water	<i>Howellia aquatilis</i>	T	California	Dicot
Liveforever, Laguna Beach	<i>Dudleya stolonifera</i>	T	California	Dicot
Manzanita, Ione	<i>Arctostaphylos myrtifolia</i>	T	California	Dicot
Manzanita, Morro	<i>Arctostaphylos morroensis</i>	T	California	Dicot
Manzanita, Pallid	<i>Arctostaphylos pallida</i>	T	California	Dicot

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Milk-vetch, Fish Slough	<i>Astragalus lentiginosus var. piscinensis</i>	T	California	Dicot
Milk-vetch, Pierson's	<i>Astragalus magdalenae var. peirsonii</i>	T	California	Dicot
Navarretia, Spreading	<i>Navarretia fossalis</i>	T	California	Dicot
Paintbrush, Ash-grey Indian	<i>Castilleja cinerea</i>	T	California	Dicot
Pussypaws, Mariposa	<i>Calyptridium pulchellum</i>	T	California	Dicot
Rush-rose, Island	<i>Helianthemum greenei</i>	T	California	Dicot
Sandwort, Bear Valley	<i>Arenaria ursina</i>	T	California	Dicot
Spineflower, Monterey	<i>Chorizanthe pungens var. pungens</i>	T	California	Dicot
Spurge, Hoover's	<i>Chamaesyce hooveri</i>	T	California	Dicot
Tarplant, Otay	<i>Deinandra (=Hemizonia) conjugens</i>	T	California	Dicot
Tarplant, Santa Cruz	<i>Holocarpha macradenia</i>	T	California	Dicot
Thornmint, San Diego	<i>Acanthomintha ilicifolia</i>	T	California	Dicot
Vervain, California	<i>Verbena californica</i>	T	California	Dicot
Chub, Bonytail	<i>Gila elegans</i>	E	California	Fish
Chub, Mohave Tui	<i>Gila bicolor mohavensis</i>	E	California	Fish
Chub, Owens Tui	<i>Gila bicolor snyderi</i>	E	California	Fish
Goby, Tidewater	<i>Eucyclogobius newberryi</i>	E	California	Fish
Pupfish, Desert	<i>Cyprinodon macularius</i>	E	California	Fish
Pupfish, Owens	<i>Cyprinodon radiosus</i>	E	California	Fish
Squawfish, Colorado	<i>Ptychocheilus lucius</i>	E	California	Fish

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Stickleback, Unarmored Threespine	<i>Gasterosteus aculeatus williamsoni</i>	E	California	Fish
Sucker, Lost River	<i>Deltistes luxatus</i>	E	California	Fish
Sucker, Modoc	<i>Catostomus microps</i>	E	California	Fish
Sucker, Razorback	<i>Xyrauchen texanus</i>	E	California	Fish
Sucker, Shortnose	<i>Chasmistes brevirostris</i>	E	California	Fish
Salmon, Chinook	<i>Oncorhynchus (=Salmo) tshawytscha</i>	E/T	California	Fish
Salmon, Coho	<i>Oncorhynchus (=Salmo) kisutch</i>	E/T	California	Fish
Steelhead	<i>Oncorhynchus (=Salmo) mykiss</i>	E/T	California	Fish
Smelt, Delta	<i>Hypomesus transpacificus</i>	T	California	Fish
Sturgeon, North American green	<i>Acipenser medirostris</i>	T	California	Fish
Sucker, Santa Ana	<i>Catostomus santaanae</i>	T	California	Fish
Trout, Lahontan Cutthroat	<i>Oncorhynchus clarki henshawi</i>	T	California	Fish
Trout, Little Kern Golden	<i>Oncorhynchus aguabonita whitei</i>	T	California	Fish
Trout, Paiute Cutthroat	<i>Oncorhynchus clarki seleniris</i>	T	California	Fish
Abalone, Black	<i>Haliotis cracherodii</i>	E	California	Gastropod
Abalone, White	<i>Haliotis sorenseni</i>	E	California	Gastropod
Snail, Morro Shoulderband	<i>Helminthoglypta walkeriana</i>	E	California	Gastropod
Beetle, Casey's June	<i>Dinacoma caseyi</i>	E	California	Insect
Beetle, Mount Hermon June	<i>Polyphylla barbata</i>	E	California	Insect
Beetle, Ohlone Tiger	<i>Cicindela ohlone</i>	E	California	Insect
Butterfly, Behren's Silverspot	<i>Speyeria zerene behrensii</i>	E	California	Insect
Butterfly, Callippe Silverspot	<i>Speyeria callippe callippe</i>	E	California	Insect

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Butterfly, El Segundo Blue	<i>Euphilotes battoides allyni</i>	E	California	Insect
Butterfly, Lange's Metalmark	<i>Apodemia mormo langei</i>	E	California	Insect
Butterfly, Lotis Blue	<i>Lycaeides argyrognomon lotis</i>	E	California	Insect
Butterfly, Mission Blue	<i>Icaricia icarioides missionensis</i>	E	California	Insect
Butterfly, Myrtle's Silverspot	<i>Speyeria zerene myrtleae</i>	E	California	Insect
Butterfly, Palos Verdes Blue	<i>Glaucopsyche lygdamus palosverdesensis</i>	E	California	Insect
Butterfly, Quino Checkerspot	<i>Euphydryas editha quino</i> (= <i>E. e. wrighti</i>)	E	California	Insect
Butterfly, San Bruno Elfin	<i>Callophrys mossii bayensis</i>	E	California	Insect
Butterfly, Smith's Blue	<i>Euphilotes enoptes smithi</i>	E	California	Insect
Fly, Delhi Sands Flower-loving	<i>Rhaphiomidas terminatus abdominalis</i>	E	California	Insect
Grasshopper, Zayante Band-winged	<i>Trimerotropis infantilis</i>	E	California	Insect
Skipper, Carson Wandering	<i>Pseudocopaeodes eunus obscurus</i>	E	California	Insect
Skipper, Laguna Mountain	<i>Pyrgus ruralis lagunae</i>	E	California	Insect
Beetle, Delta Green Ground	<i>Elaphrus viridis</i>	T	California	Insect
Beetle, Valley Elderberry Longhorn	<i>Desmocerus californicus dimorphus</i>	T	California	Insect
Butterfly, Bay Checkerspot (Wright's euphydryas)	<i>Euphydryas editha bayensis</i>	T	California	Insect
Butterfly, Oregon Silverspot	<i>Speyeria zerene hippolyta</i>	T	California	Insect

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Moth, Kern Primrose Sphinx	<i>Euproserpinus euterpe</i>	T	California	Insect
Fox, San Joaquin Kit	<i>Vulpes macrotis mutica</i>	E	California	Mammal
Fox, San Miguel Island	<i>Urocyon littoralis littoralis</i>	E	California	Mammal
Fox, Santa Catalina Island	<i>Urocyon littoralis catalinae</i>	E	California	Mammal
Fox, Santa Cruz Island	<i>Urocyon littoralis santacruzae</i>	E	California	Mammal
Fox, Santa Rosa Island	<i>Urocyon littoralis santarosae</i>	E	California	Mammal
Jaguar	<i>Panthera onca</i>	E	California	Mammal
Kangaroo Rat, Fresno	<i>Dipodomys nitratoides exilis</i>	E	California	Mammal
Kangaroo Rat, Giant	<i>Dipodomys ingens</i>	E	California	Mammal
Kangaroo Rat, Morro Bay	<i>Dipodomys heermanni morroensis</i>	E	California	Mammal
Kangaroo Rat, San Bernardino Merriam's	<i>Dipodomys merriami parvus</i>	E	California	Mammal
Kangaroo Rat, Stephens'	<i>Dipodomys stephensi</i> (incl. <i>D. cascus</i>)	E	California	Mammal
Kangaroo Rat, Tipton	<i>Dipodomys nitratoides nitratoides</i>	E	California	Mammal
Mountain Beaver, Point Arena	<i>Aplodontia rufa nigra</i>	E	California	Mammal
Mouse, Pacific Pocket	<i>Perognathus longimembris pacificus</i>	E	California	Mammal
Mouse, Salt Marsh Harvest	<i>Reithrodontomys raviventris</i>	E	California	Mammal
Rabbit, Riparian Brush	<i>Sylvilagus bachmani riparius</i>	E	California	Mammal
Sheep, Peninsular Bighorn	<i>Ovis canadensis nelsoni</i>	E	California	Mammal
Sheep, Sierra Nevada Bighorn	<i>Ovis canadensis sierrae</i>	E	California	Mammal

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Shrew, Buena Vista Lake Ornate	<i>Sorex ornatus relictus</i>	E	California	Mammal
Vole, Amargosa	<i>Microtus californicus scirpensis</i>	E	California	Mammal
Whale, Blue	<i>Balaenoptera musculus</i>	E	California	Mammal
Whale, Finback	<i>Balaenoptera physalus</i>	E	California	Mammal
Whale, Gray	<i>Eschrichtius robustus</i>	E	California	Mammal
Whale, Humpback	<i>Megaptera novaeangliae</i>	E	California	Mammal
Whale, North Atlantic right	<i>Eubalaena glacialis (incl. australis)</i>	E	California	Mammal
Whale, Sei	<i>Balaenoptera borealis</i>	E	California	Mammal
Whale, Sperm	<i>Physeter catodon (=macrocephalus)</i>	E	California	Mammal
Woodrat, Riparian	<i>Neotoma fuscipes riparia</i>	E	California	Mammal
Sea-lion, Steller	<i>Eumetopias jubatus</i>	E/T	California	Mammal
Otter, Southern Sea	<i>Enhydra lutris nereis</i>	T	California	Mammal
Seal, Guadalupe Fur	<i>Arctocephalus townsendi</i>	T	California	Mammal
Alopecurus, Sonoma	<i>Alopecurus aequalis var. sonomensis</i>	E	California	Monocot
Bluegrass, Napa	<i>Poa napensis</i>	E	California	Monocot
Bluegrass, San Bernardino	<i>Poa atropurpurea</i>	E	California	Monocot
Grass, California Orcutt	<i>Orcuttia californica</i>	E	California	Monocot
Grass, Eureka Dune	<i>Swallenia alexandrae</i>	E	California	Monocot
Grass, Solano	<i>Tuctoria mucronata</i>	E	California	Monocot
Lily, Pitkin Marsh	<i>Lilium pardalinum ssp. pitkinense</i>	E	California	Monocot
Lily, Western	<i>Lilium occidentale</i>	E	California	Monocot
Onion, Munz's	<i>Allium munzii</i>	E	California	Monocot
Piperia, Yadon's	<i>Piperia yadonii</i>	E	California	Monocot

INVNAME	SCINAME	Status	STATE NAME	Taxon
Sedge, White	<i>Carex albida</i>	E	California	Monocot
Amole, Cammatta Canyon	<i>Chlorogalum purpureum</i> <i>var. reductum</i>	T	California	Monocot
Amole, Purple	<i>Chlorogalum purpureum</i> <i>var. purpureum</i>	T	California	Monocot
Brodiaea, Chinese Camp	<i>Brodiaea pallida</i>	T	California	Monocot
Brodiaea, Thread-leaved	<i>Brodiaea filifolia</i>	T	California	Monocot
Grass, Colusa	<i>Neostapfia colusana</i>	T	California	Monocot
Grass, San Joaquin Valley Orcutt	<i>Orcuttia inaequalis</i>	T	California	Monocot
Lily, Tiburon Mariposa	<i>Calochortus tiburonensis</i>	T	California	Monocot
Lizard, Blunt-nosed Leopard	<i>Gambelia silus</i>	E	California	Reptile
Sea turtle, leatherback	<i>Dermochelys coriacea</i>	E	California	Reptile
Snake, San Francisco Garter	<i>Thamnophis sirtalis</i> <i>tetrataenia</i>	E	California	Reptile
Sea turtle, green	<i>Chelonia mydas</i>	E/T	California	Reptile
Sea turtle, loggerhead	<i>Caretta caretta</i>	E/T	California	Reptile
Lizard, Coachella Valley Fringe-toed	<i>Uma inornata</i>	T	California	Reptile
Lizard, Island Night	<i>Xantusia riversiana</i>	T	California	Reptile
Sea turtle, olive ridley	<i>Lepidochelys olivacea</i>	T	California	Reptile
Snake, Giant Garter	<i>Thamnophis gigas</i>	T	California	Reptile
Tortoise, Desert	<i>Gopherus agassizii</i>	T	California	Reptile
Whipsnake (=Striped Racer), Alameda	<i>Masticophis lateralis</i> <i>euryxanthus</i>	T	California	Reptile
Crane, Whooping	<i>Grus americana</i>	E	Colorado	Bird
Flycatcher, Southwestern Willow	<i>Empidonax traillii extimus</i>	E	Colorado	Bird
Tern, Interior (population) Least	<i>Sterna antillarum</i>	E	Colorado	Bird

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Plover, Piping	<i>Charadrius melodus</i>	E/T	Colorado	Bird
Owl, Mexican Spotted	<i>Strix occidentalis lucida</i>	T	Colorado	Bird
Beardtongue, Penland	<i>Penstemon penlandii</i>	E	Colorado	Dicot
Cactus, Knowlton	<i>Pediocactus knowltonii</i>	E	Colorado	Dicot
Milk-vetch, Mancos	<i>Astragalus humillimus</i>	E	Colorado	Dicot
Milk-vetch, Osterhout	<i>Astragalus osterhoutii</i>	E	Colorado	Dicot
Pagosa Skyrocket	<i>Ipomopsis polyantha</i>	E	Colorado	Dicot
Phacelia, North Park	<i>Phacelia formosula</i>	E	Colorado	Dicot
Wild-buckwheat, Clay-loving	<i>Eriogonum pelinophilum</i>	E	Colorado	Dicot
Bladderpod, Dudley Bluffs	<i>Lesquerella congesta</i>	T	Colorado	Dicot
Butterfly Plant, Colorado	<i>Gaura neomexicana</i> var. <i>coloradensis</i>	T	Colorado	Dicot
Cactus, Colorado hookless	<i>Sclerocactus glaucus</i>	T	Colorado	Dicot
Cactus, Mesa Verde	<i>Sclerocactus mesae-verdae</i>	T	Colorado	Dicot
DeBeque phacelia	<i>Phacelia submutica</i>	T	Colorado	Dicot
Mustard, Penland Alpine Fen	<i>Eutrema penlandii</i>	T	Colorado	Dicot
Parachute Beardtongue	<i>Penstemon debilis</i>	T	Colorado	Dicot
Twinpod, Dudley Bluffs	<i>Physaria obcordata</i>	T	Colorado	Dicot
Chub, Bonytail	<i>Gila elegans</i>	E	Colorado	Fish
Chub, Humpback	<i>Gila cypha</i>	E	Colorado	Fish
Squawfish, Colorado	<i>Ptychocheilus lucius</i>	E	Colorado	Fish
Sturgeon, Pallid	<i>Scaphirhynchus albus</i>	E	Colorado	Fish
Sucker, Razorback	<i>Xyrauchen texanus</i>	E	Colorado	Fish
Trout, Greenback Cutthroat	<i>Oncorhynchus clarki</i> <i>stomias</i>	T	Colorado	Fish

INVNAME	SCINAME	Status	STATE NAME	Taxon
Butterfly, Uncompahgre Fritillary	<i>Boloria acrocne</i>	E	Colorado	Insect
Skipper, Pawnee Montane	<i>Hesperia leonardus montana</i>	T	Colorado	Insect
Ferret, Black-footed	<i>Mustela nigripes</i>	E	Colorado	Mammal
Gray Wolf	<i>Canis lupus</i>	E	Colorado	Mammal
Lynx, Canada	<i>Lynx canadensis</i>	T	Colorado	Mammal
Mouse, Preble's Meadow Jumping	<i>Zapus hudsonius preblei</i>	T	Colorado	Mammal
Ladies'-tresses, Ute	<i>Spiranthes diluvialis</i>	T	Colorado	Monocot
Plover, Piping	<i>Charadrius melodus</i>	E/T	Connecticut	Bird
Tern, Roseate	<i>Sterna dougallii dougallii</i>	E/T	Connecticut	Bird
Mussel, Dwarf Wedge	<i>Alasmidonta heterodon</i>	E	Connecticut	Bivalve
Chaffseed, American	<i>Schwalbea americana</i>	E	Connecticut	Dicot
Gerardia, Sandplain	<i>Agalinis acuta</i>	E	Connecticut	Dicot
Sturgeon, Shortnose	<i>Acipenser brevirostrum</i>	E	Connecticut	Fish
Beetle, Puritan Tiger	<i>Cicindela puritana</i>	T	Connecticut	Insect
Bat, Indiana	<i>Myotis sodalis</i>	E	Connecticut	Mammal
Pogonia, Small Whorled	<i>Isotria medeoloides</i>	T	Connecticut	Monocot
Sea turtle, hawksbill	<i>Eretmochelys imbricata</i>	E	Connecticut	Reptile
Sea turtle, Kemp's ridley	<i>Lepidochelys kempii</i>	E	Connecticut	Reptile
Sea turtle, leatherback	<i>Dermochelys coriacea</i>	E	Connecticut	Reptile
Sea turtle, green	<i>Chelonia mydas</i>	E/T	Connecticut	Reptile
Sea turtle, loggerhead	<i>Caretta caretta</i>	E/T	Connecticut	Reptile

INVNAME	SCINAME	Status	STATE NAME	Taxon
Turtle, Bog	<i>Clemmys muhlenbergii</i>	T	Connecticut	Reptile
Plover, Piping	<i>Charadrius melodus</i>	E/T	Delaware	Bird
Dropwort, Canby's	<i>Oxypolis canbyi</i>	E	Delaware	Dicot
Amaranth, Seabeach	<i>Amaranthus pumilus</i>	T	Delaware	Dicot
Sucker, Shortnose	<i>Chasmistes brevirostris</i>	E	Delaware	Fish
Squirrel, Delmarva Peninsula Fox	<i>Sciurus niger cinereus</i>	E	Delaware	Mammal
Whale, Blue	<i>Balaenoptera musculus</i>	E	Delaware	Mammal
Whale, Finback	<i>Balaenoptera physalus</i>	E	Delaware	Mammal
Whale, Humpback	<i>Megaptera novaeangliae</i>	E	Delaware	Mammal
Whale, North Atlantic right	<i>Eubalaena glacialis (incl. australis)</i>	E	Delaware	Mammal
Beaked-rush, Knieskern's	<i>Rhynchospora knieskernii</i>	T	Delaware	Monocot
Pink, Swamp	<i>Helonias bullata</i>	T	Delaware	Monocot
Pogonia, Small Whorled	<i>Isotria medeoloides</i>	T	Delaware	Monocot
Sea turtle, hawksbill	<i>Eretmochelys imbricata</i>	E	Delaware	Reptile
Sea turtle, Kemp's ridley	<i>Lepidochelys kempii</i>	E	Delaware	Reptile
Sea turtle, leatherback	<i>Dermochelys coriacea</i>	E	Delaware	Reptile
Sea turtle, green	<i>Chelonia mydas</i>	E/T	Delaware	Reptile
Sea turtle, loggerhead	<i>Caretta caretta</i>	E/T	Delaware	Reptile
Turtle, Bog	<i>Clemmys muhlenbergii</i>	T	Delaware	Reptile
Salamander, Reticulated flatwoods	<i>Ambystoma bishopi</i>	E	Florida	Amphibian

INVNAME	SCINAME	Status	STATE NAME	Taxon
Salamander, Frosted Flatwoods	<i>Ambystoma cingulatum</i>	T	Florida	Amphibian
Crane, Whooping	<i>Grus americana</i>	E	Florida	Bird
Kite, Everglades Snail	<i>Rostrhamus sociabilis plumbeus</i>	E	Florida	Bird
Sparrow, Cape Sable Seaside	<i>Ammodramus maritimus mirabilis</i>	E	Florida	Bird
Sparrow, Florida Grasshopper	<i>Ammodramus savannarum floridanus</i>	E	Florida	Bird
Stork, Wood	<i>Mycteria americana</i>	E	Florida	Bird
Warbler (=Wood), Kirtland's	<i>Dendroica kirtlandii</i>	E	Florida	Bird
Warbler, Bachman's	<i>Vermivora bachmanii</i>	E	Florida	Bird
Woodpecker, Ivory-billed	<i>Campephilus principalis</i>	E	Florida	Bird
Woodpecker, Red-cockaded	<i>Picoides borealis</i>	E	Florida	Bird
Plover, Piping	<i>Charadrius melodus</i>	E/T	Florida	Bird
Caracara, Audubon's Crested	<i>Polyborus plancus audubonii</i>	T	Florida	Bird
Scrub-Jay, Florida	<i>Aphelocoma coerulescens</i>	T	Florida	Bird
Choctaw Bean	<i>Villosa choctawensis</i>	E	Florida	Bivalve
Mussel, Fat Threeridge	<i>Amblema neislerii</i>	E	Florida	Bivalve
Mussel, Gulf Moccasinshell	<i>Medionidus penicillatus</i>	E	Florida	Bivalve
Mussel, Ochlockonee Moccasinshell	<i>Medionidus simpsonianus</i>	E	Florida	Bivalve
Mussel, Oval Pigtoe	<i>Pleurobema pyriforme</i>	E	Florida	Bivalve
Mussel, Shiny-rayed Pocketbook	<i>Lampsilis subangulata</i>	E	Florida	Bivalve
Round Ebonyshell	<i>Fusconaia rotulata</i>	E	Florida	Bivalve
Southern Kidneyshell	<i>Ptychobranthus jonesi</i>	E	Florida	Bivalve
Bankclimber, Purple	<i>Elliptoideus sloatianus</i>	T	Florida	Bivalve

INVNAME	SCINAME	Status	STATE NAME	Taxon
fuzzy pigtoe	<i>Pleurobema strodeanum</i>	T	Florida	Bivalve
Narrow Pigtoe	<i>Fusconaia escambia</i>	T	Florida	Bivalve
Slabshell, Chipola	<i>Elliptio chipolaensis</i>	T	Florida	Bivalve
Southern Sandshell	<i>Hamiota australis</i>	T	Florida	Bivalve
Tapered Pigtoe	<i>Fusconaia burkei</i>	T	Florida	Bivalve
Torreyia, Florida	<i>Torreyia taxifolia</i>	E	Florida	Conf/cycds
Coral, Elkhorn	<i>Acropora palmata</i>	T	Florida	Coral
Coral, Staghorn	<i>Acropora cervicornis</i>	T	Florida	Coral
Shrimp, Squirrel Chimney Cave	<i>Palaemonetes cummingsi</i>	T	Florida	Crustacean
Aster, Florida Golden	<i>Chrysopsis floridana</i>	E	Florida	Dicot
Bellflower, Brooksville	<i>Campanula robinsiae</i>	E	Florida	Dicot
Blazing Star, Scrub	<i>Liatris ohlingerae</i>	E	Florida	Dicot
Campion, Fringed	<i>Silene polypetala</i>	E	Florida	Dicot
Chaffseed, American	<i>Schwalbea americana</i>	E	Florida	Dicot
Fringe Tree, Pygmy	<i>Chionanthus pygmaeus</i>	E	Florida	Dicot
Gourd, Okeechobee	<i>Cucurbita okeechobeensis</i> <i>ssp. okeechobeensis</i>	E	Florida	Dicot
Harebells, Avon Park	<i>Crotalaria avonensis</i>	E	Florida	Dicot
Hypericum, Highlands Scrub	<i>Hypericum cumulicola</i>	E	Florida	Dicot
Jacquemontia, Beach	<i>Jacquemontia reclinata</i>	E	Florida	Dicot
Lead-plant, Crenulate	<i>Amorpha crenulata</i>	E	Florida	Dicot
Lupine, Scrub	<i>Lupinus aridorum</i>	E	Florida	Dicot
Meadowrue, Cooley's	<i>Thalictrum cooleyi</i>	E	Florida	Dicot
Milkpea, Small's	<i>Galactia smallii</i>	E	Florida	Dicot
Mint, Garrett's	<i>Dicerandra christmanii</i>	E	Florida	Dicot

INVNAME	SCINAME	Status	STATE NAME	Taxon
Mint, Lakela's	<i>Dicerandra immaculata</i>	E	Florida	Dicot
Mint, Longspurred	<i>Dicerandra cornutissima</i>	E	Florida	Dicot
Mint, Scrub	<i>Dicerandra frutescens</i>	E	Florida	Dicot
Mustard, Carter's	<i>Warea carteri</i>	E	Florida	Dicot
Pawpaw, Beautiful	<i>Deeringothamnus pulchellus</i>	E	Florida	Dicot
Pawpaw, Four-petal	<i>Asimina tetramera</i>	E	Florida	Dicot
Pawpaw, Rugel's	<i>Deeringothamnus rugelii</i>	E	Florida	Dicot
Pinkroot, Gentian	<i>Spigelia gentianoides</i>	E	Florida	Dicot
Plum, Scrub	<i>Prunus geniculata</i>	E	Florida	Dicot
Polygala, Lewton's	<i>Polygala lewtonii</i>	E	Florida	Dicot
Polygala, Tiny	<i>Polygala smallii</i>	E	Florida	Dicot
Prickly-apple, Fragrant	<i>Cereus eriophorus</i> var. <i>fragrans</i>	E	Florida	Dicot
Rhododendron, Chapman	<i>Rhododendron chapmanii</i>	E	Florida	Dicot
Rosemary, Apalachicola	<i>Conradina glabra</i>	E	Florida	Dicot
Rosemary, Etonia	<i>Conradina etonia</i>	E	Florida	Dicot
Rosemary, Short-leaved	<i>Conradina brevifolia</i>	E	Florida	Dicot
Sandlace	<i>Polygonella myriophylla</i>	E	Florida	Dicot
Snakeroot	<i>Eryngium cuneifolium</i>	E	Florida	Dicot
Spurge, Deltoid	<i>Chamaesyce deltoidea</i> ssp. <i>deltoidea</i>	E	Florida	Dicot
Warea, Wide-leaf	<i>Warea amplexifolia</i>	E	Florida	Dicot
Water-willow, Cooley's	<i>Justicia cooleyi</i>	E	Florida	Dicot
Wireweed	<i>Polygonella basiramia</i>	E	Florida	Dicot
Ziziphus, Florida	<i>Ziziphus celata</i>	E	Florida	Dicot

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Birds-in-a-nest, White	<i>Macbridea alba</i>	T	Florida	Dicot
Bonamia, Florida	<i>Bonamia grandiflora</i>	T	Florida	Dicot
Buckwheat, Scrub	<i>Eriogonum longifolium</i> var. <i>gnaphalifolium</i>	T	Florida	Dicot
Butterwort, Godfrey's	<i>Pinguicula ionantha</i>	T	Florida	Dicot
Gooseberry, Miccosukee	<i>Ribes echinellum</i>	T	Florida	Dicot
Skullcap, Florida	<i>Scutellaria floridana</i>	T	Florida	Dicot
Spurge, Garber's	<i>Chamaesyce garberi</i>	T	Florida	Dicot
Spurge, Telephus	<i>Euphorbia telephioides</i>	T	Florida	Dicot
Whitlow-wort, Papery	<i>Paronychia chartacea</i>	T	Florida	Dicot
Wings, Pigeon	<i>Clitoria fragrans</i>	T	Florida	Dicot
Darter, Okaloosa	<i>Etheostoma okaloosae</i>	E	Florida	Fish
Sawfish, Smalltooth	<i>Pristis pectinata</i>	E	Florida	Fish
Sturgeon, Shortnose	<i>Acipenser brevirostrum</i>	E	Florida	Fish
Sturgeon, Gulf	<i>Acipenser oxyrinchus</i> <i>desotoi</i>	T	Florida	Fish
Butterfly, Miami Blue	<i>Cyclargus thomasi</i> <i>bethunebakeri</i>	E	Florida	Insect
Cladonia, Florida Perforate	<i>Cladonia perforata</i>	E	Florida	Lichen
Bat, Gray	<i>Myotis grisescens</i>	E	Florida	Mammal
Bat, Indiana	<i>Myotis sodalis</i>	E	Florida	Mammal
Manatee, West Indian	<i>Trichechus manatus</i>	E	Florida	Mammal
Mouse, Anastasia Island Beach	<i>Peromyscus polionotus</i> <i>phasma</i>	E	Florida	Mammal
Mouse, Choctawhatchee Beach	<i>Peromyscus polionotus</i> <i>allopkyris</i>	E	Florida	Mammal
Mouse, Perdido Key Beach	<i>Peromyscus polionotus</i> <i>trissyllepsis</i>	E	Florida	Mammal

INVNAME	SCINAME	Status	STATE NAME	Taxon
Mouse, St. Andrew Beach	<i>Peromyscus polionotus peninsularis</i>	E	Florida	Mammal
Panther, Florida	<i>Puma (=Felis) concolor coryi</i>	E	Florida	Mammal
Puma (=Cougar), Eastern	<i>Puma (=Felis) concolor (all subsp. except coryi)</i>	E	Florida	Mammal
Vole, Florida Salt Marsh	<i>Microtus pennsylvanicus dukecampbelli</i>	E	Florida	Mammal
Mouse, Southeastern Beach	<i>Peromyscus polionotus niveiventris</i>	T	Florida	Mammal
Beargrass, Britton's	<i>Nolina brittoniana</i>	E	Florida	Monocot
Beauty, Harper's	<i>Harperocallis flava</i>	E	Florida	Monocot
Seagrass, Johnson's	<i>Halophila johnsonii</i>	T	Florida	Monocot
Sea turtle, hawksbill	<i>Eretmochelys imbricata</i>	E	Florida	Reptile
Sea turtle, Kemp's ridley	<i>Lepidochelys kempii</i>	E	Florida	Reptile
Sea turtle, leatherback	<i>Dermochelys coriacea</i>	E	Florida	Reptile
Sea turtle, green	<i>Chelonia mydas</i>	E/T	Florida	Reptile
Sea turtle, loggerhead	<i>Caretta caretta</i>	E/T	Florida	Reptile
Alligator, American	<i>Alligator mississippiensis</i>	T	Florida	Reptile
Crocodile, American	<i>Crocodylus acutus</i>	T	Florida	Reptile
Skink, Blue-tailed Mole	<i>Eumeces egregius lividus</i>	T	Florida	Reptile
Skink, Sand	<i>Neoseps reynoldsi</i>	T	Florida	Reptile
Snake, Atlantic Salt Marsh	<i>Nerodia clarkii taeniata</i>	T	Florida	Reptile
Snake, Eastern Indigo	<i>Drymarchon corais couperi</i>	T	Florida	Reptile
Salamander, Reticulated flatwoods	<i>Ambystoma bishopi</i>	E	Georgia	Amphibian

INVNAME	SCINAME	Status	STATE NAME	Taxon
Salamander, Frosted Flatwoods	<i>Ambystoma cingulatum</i>	T	Georgia	Amphibian
Stork, Wood	<i>Mycteria americana</i>	E	Georgia	Bird
Warbler (=Wood), Kirtland's	<i>Dendroica kirtlandii</i>	E	Georgia	Bird
Warbler, Bachman's	<i>Vermivora bachmanii</i>	E	Georgia	Bird
Woodpecker, Red-cockaded	<i>Picoides borealis</i>	E	Georgia	Bird
Plover, Piping	<i>Charadrius melodus</i>	E/T	Georgia	Bird
Tern, Roseate	<i>Sterna dougallii dougallii</i>	E/T	Georgia	Bird
Combshell, Upland	<i>Epioblasma metastrata</i>	E	Georgia	Bivalve
Kidneyshell, Triangular	<i>Ptychobranthus greenii</i>	E	Georgia	Bivalve
Mussel, Acornshell Southern	<i>Epioblasma othcaloogensis</i>	E	Georgia	Bivalve
Mussel, Coosa Moccasinshell	<i>Medionidus parvulus</i>	E	Georgia	Bivalve
Mussel, Fat Threeridge	<i>Amblema neislerii</i>	E	Georgia	Bivalve
Mussel, Georgia pigtoe	<i>Pleurobema hanleyianum</i>	E	Georgia	Bivalve
Mussel, Gulf Moccasinshell	<i>Medionidus penicillatus</i>	E	Georgia	Bivalve
Mussel, Ochlockonee Moccasinshell	<i>Medionidus simpsonianus</i>	E	Georgia	Bivalve
Mussel, Oval Pigtoe	<i>Pleurobema pyriforme</i>	E	Georgia	Bivalve
Mussel, Ovate Clubshell	<i>Pleurobema perovatum</i>	E	Georgia	Bivalve
Mussel, Shiny-rayed Pocketbook	<i>Lampsilis subangulata</i>	E	Georgia	Bivalve
Mussel, Southern Clubshell	<i>Pleurobema decisum</i>	E	Georgia	Bivalve
Mussel, Southern Pigtoe	<i>Pleurobema georgianum</i>	E	Georgia	Bivalve
Spinymussel, Altamaha	<i>Elliptio spinosa</i>	E	Georgia	Bivalve

INVNAME	SCINAME	Status	STATE NAME	Taxon
Bankclimber, Purple	<i>Elliptoideus sloatianus</i>	T	Georgia	Bivalve
Mussel, Alabama Moccasinshell	<i>Medionidus acutissimus</i>	T	Georgia	Bivalve
Mussel, Fine-lined Pocketbook	<i>Lampsilis altilis</i>	T	Georgia	Bivalve
Torreya, Florida	<i>Torreya taxifolia</i>	E	Georgia	Conf/cycds
Campion, Fringed	<i>Silene polypetala</i>	E	Georgia	Dicot
Chaffseed, American	<i>Schwalbea americana</i>	E	Georgia	Dicot
Coneflower, Smooth	<i>Echinacea laevigata</i>	E	Georgia	Dicot
Dropwort, Canby's	<i>Oxypolis canbyi</i>	E	Georgia	Dicot
Harperella	<i>Ptilimnium nodosum</i>	E	Georgia	Dicot
Leather-flower, Alabama	<i>Clematis socialis</i>	E	Georgia	Dicot
Meadowrue, Cooley's	<i>Thalictrum cooleyi</i>	E	Georgia	Dicot
Pitcher-plant, Green	<i>Sarracenia oreophila</i>	E	Georgia	Dicot
Pondberry	<i>Lindera melissifolia</i>	E	Georgia	Dicot
Rattleweed, Hairy	<i>Baptisia arachnifera</i>	E	Georgia	Dicot
Sumac, Michaux's	<i>Rhus michauxii</i>	E	Georgia	Dicot
Amphianthus, Little	<i>Amphianthus pusillus</i>	T	Georgia	Dicot
Barbara Buttons, Mohr's	<i>Marshallia mohrii</i>	T	Georgia	Dicot
Skullcap, Large-flowered	<i>Scutellaria montana</i>	T	Georgia	Dicot
Spiraea, Virginia	<i>Spiraea virginiana</i>	T	Georgia	Dicot
Quillwort, Black-spored	<i>Isoetes melanospora</i>	E	Georgia	Ferns
Quillwort, Mat-forming	<i>Isoetes tegetiformans</i>	E	Georgia	Ferns
Darter, Amber	<i>Percina antesella</i>	E	Georgia	Fish
Darter, Etowah	<i>Etheostoma etowahae</i>	E	Georgia	Fish
Logperch, Conasauga	<i>Percina jenkinsi</i>	E	Georgia	Fish

INVNAME	SCINAME	Status	STATE NAME	Taxon
Sturgeon, Shortnose	<i>Acipenser brevirostrum</i>	E	Georgia	Fish
Darter, Cherokee	<i>Etheostoma scotti</i>	T	Georgia	Fish
Darter, Goldline	<i>Percina aurolineata</i>	T	Georgia	Fish
Darter, Snail	<i>Percina tanasi</i>	T	Georgia	Fish
Shiner, Blue	<i>Cyprinella caerulea</i>	T	Georgia	Fish
Hornsnail, rough	<i>Pleurocera foremani</i>	E	Georgia	Gastropod
Rocksnail, interrupted	<i>Leptoxis foremani</i>	E	Georgia	Gastropod
Snail, Lioplax Cylindrical	<i>Lioplax cyclostomaformis</i>	E	Georgia	Gastropod
Lichen, Rock Gnome	<i>Gymnoderma lineare</i>	E	Georgia	Lichen
Bat, Gray	<i>Myotis grisescens</i>	E	Georgia	Mammal
Bat, Indiana	<i>Myotis sodalis</i>	E	Georgia	Mammal
Manatee, West Indian	<i>Trichechus manatus</i>	E	Georgia	Mammal
Whale, Blue	<i>Balaenoptera musculus</i>	E	Georgia	Mammal
Whale, Humpback	<i>Megaptera novaeangliae</i>	E	Georgia	Mammal
Whale, North Atlantic right	<i>Eubalaena glacialis (incl. australis)</i>	E	Georgia	Mammal
Grass, Tennessee Yellow-eyed	<i>Xyris tennesseensis</i>	E	Georgia	Monocot
Trillium, Persistent	<i>Trillium persistens</i>	E	Georgia	Monocot
Trillium, Relict	<i>Trillium reliquum</i>	E	Georgia	Monocot
Pink, Swamp	<i>Helonias bullata</i>	T	Georgia	Monocot
Pogonia, Small Whorled	<i>Isotria medeoloides</i>	T	Georgia	Monocot
Water-plantain, Kral's	<i>Sagittaria secundifolia</i>	T	Georgia	Monocot
Sea turtle, hawksbill	<i>Eretmochelys imbricata</i>	E	Georgia	Reptile
Sea turtle, Kemp's ridley	<i>Lepidochelys kempii</i>	E	Georgia	Reptile
Sea turtle, leatherback	<i>Dermochelys coriacea</i>	E	Georgia	Reptile
Sea turtle, green	<i>Chelonia mydas</i>	E/T	Georgia	Reptile

INVNAME	SCINAME	Status	STATE NAME	Taxon
Sea turtle, loggerhead	<i>Caretta caretta</i>	E/T	Georgia	Reptile
Snake, Eastern Indigo	<i>Drymarchon corais couperi</i>	T	Georgia	Reptile
Turtle, Bog	<i>Clemmys muhlenbergii</i>	T	Georgia	Reptile
Crow, Mariana	<i>Corvus kubaryi</i>	E	Guam	Bird
Kingfisher, Guam Micronesian	<i>Halcyon cinnamomina cinnamomina</i>	E	Guam	Bird
Moorhen, Mariana Common	<i>Gallinula chloropus guami</i>	E	Guam	Bird
Rail, Guam	<i>Rallus owstoni</i>	E	Guam	Bird
White-eye, Bridled (Nossa)	<i>Zosterops conspicillatus conspicillatus</i>	E	Guam	Bird
Hayun Lagu (Tronkon Guafi)	<i>Serianthes nelsonii</i>	E	Guam	Dicot
Bat, Little Mariana Fruit	<i>Pteropus tokudae</i>	E	Guam	Mammal
Bat, Mariana Fruit (=Mariana Flying Fox)	<i>Pteropus mariannus mariannus</i>	T	Guam	Mammal
Sea turtle, hawksbill	<i>Eretmochelys imbricata</i>	E	Guam	Reptile
Sea turtle, leatherback	<i>Dermochelys coriacea</i>	E	Guam	Reptile
Sea turtle, green	<i>Chelonia mydas</i>	E/T	Guam	Reptile
Sea turtle, loggerhead	<i>Caretta caretta</i>	E/T	Guam	Reptile
Spider, Kauai Cave Wolf	<i>Adelocosa anops</i>	E	Hawaii	Arachnid
Akekee	<i>Loxops caeruleirostris</i>	E	Hawaii	Bird
'Akepa, Hawaii	<i>Loxops coccineus coccineus</i>	E	Hawaii	Bird
'Akepa, Maui	<i>Loxops coccineus ochraceus</i>	E	Hawaii	Bird
'Akia Loa, Kauai (Hemignathus procerus)	<i>Hemignathus procerus</i>	E	Hawaii	Bird

INVNAME	SCINAME	Status	STATE NAME	Taxon
'Aki'a Pola'au (<i>Hemignathus munroi</i>)	<i>Hemignathus munroi</i>	E	Hawaii	Bird
Coot, Hawaiian (=Alae keo keo)	<i>Fulica americana alai</i>	E	Hawaii	Bird
Creep'er, Hawaii	<i>Oreomystis mana</i>	E	Hawaii	Bird
Creep'er, Oahu (Alauwahio)	<i>Paroreomyza maculata</i>	E	Hawaii	Bird
Crow, Hawaiian (Alala)	<i>Corvus hawaiiensis</i>	E	Hawaii	Bird
Duck, Hawaiian (Koloa)	<i>Anas wyvilliana</i>	E	Hawaii	Bird
Elepaio, Oahu	<i>Chasiempis sandwichensis ibidis</i>	E	Hawaii	Bird
Goose, Hawaiian (Nene)	<i>Branta (=Nesochen) sandvicensis</i>	E	Hawaii	Bird
Hawk, Hawaiian (Io)	<i>Buteo solitarius</i>	E	Hawaii	Bird
Honeycreeper, Crested (Akohekohe)	<i>Palmeria dolei</i>	E	Hawaii	Bird
Kauai creep'er	<i>Oreomystis bairdi</i>	E	Hawaii	Bird
Moorhen, Hawaiian Common	<i>Gallinula chloropus sandvicensis</i>	E	Hawaii	Bird
Nuku Pu'u, Kauai	<i>Hemignathus lucidus hanapepe</i>	E	Hawaii	Bird
Nuku Pu'u, Maui	<i>Hemignathus lucidus affinus</i>	E	Hawaii	Bird
'O'o, Kauai (=A'a)	<i>Moho braccatus</i>	E	Hawaii	Bird
'O'u (Honeycreeper)	<i>Psittirostra psittacea</i>	E	Hawaii	Bird
Palila	<i>Loxioides bailleui</i>	E	Hawaii	Bird
Parrotbill, Maui	<i>Pseudonestor xanthophrys</i>	E	Hawaii	Bird
Petrel, Hawaiian Dark- rumped	<i>Pterodroma phaeopygia sandwichensis</i>	E	Hawaii	Bird
Po'ouli	<i>Melamprosops phaeosoma</i>	E	Hawaii	Bird
Stilt, Hawaiian (=Ae'o)	<i>Himantopus mexicanus knudseni</i>	E	Hawaii	Bird

INVNAME	SCINAME	Status	STATE NAME	Taxon
Swiftlet, Mariana Gray (=Vanikoro)	<i>Aerodramus vanikorensis bartschi</i>	E	Hawaii	Bird
Thrush, Large Kauai	<i>Myadestes myadestinus</i>	E	Hawaii	Bird
Thrush, Small Kauai (Puaiohi)	<i>Myadestes palmeri</i>	E	Hawaii	Bird
Shearwater, Newell's Townsend's	<i>Puffinus auricularis newelli</i>	T	Hawaii	Bird
Amphipod, Kauai Cave	<i>Spelaeorchestia koloana</i>	E	Hawaii	Crustacean
(ncn)	<i>Cyanea kolekoleensis</i>	E	Hawaii	Dicot
(ncn)	<i>Keysseria (=Lagenifera) erici</i>	E	Hawaii	Dicot
(ncn)	<i>Keysseria (=Lagenifera) helenae</i>	E	Hawaii	Dicot
(ncn)	<i>Lysimachia iniki</i>	E	Hawaii	Dicot
(ncn)	<i>Lysimachia pendens</i>	E	Hawaii	Dicot
(ncn)	<i>Lysimachia scopulensis</i>	E	Hawaii	Dicot
(ncn)	<i>Lysimachia venosa</i>	E	Hawaii	Dicot
(ncn)	<i>Phyllostegia hispida</i>	E	Hawaii	Dicot
(ncn)	<i>Phyllostegia renovans</i>	E	Hawaii	Dicot
(ncn)	<i>Platydesma cornuta</i> var. <i>cornuta</i>	E	Hawaii	Dicot
(ncn)	<i>Platydesma cornuta</i> var. <i>decurrens</i>	E	Hawaii	Dicot
(ncn)	<i>Schiedea attenuata</i>	E	Hawaii	Dicot
(ncn)	<i>Stenogyne kealiae</i>	E	Hawaii	Dicot
(ncn)	<i>Tetraplasandra bisattenuata</i>	E	Hawaii	Dicot
(ncn)	<i>Tetraplasandra flynnii</i>	E	Hawaii	Dicot
(ncn)	<i>Tetraplasandra lydgatei</i>	E	Hawaii	Dicot
Abutilon sandwicense (ncn)	<i>Abutilon sandwicense</i>	E	Hawaii	Dicot

INVNAME	SCINAME	Status	STATE NAME	Taxon
Achyranthes mutica (ncn)	<i>Achyranthes mutica</i>	E	Hawaii	Dicot
Achyranthes splendens var. rotundata (ncn)	<i>Achyranthes splendens</i> var. <i>rotundata</i>	E	Hawaii	Dicot
a'e	<i>Zanthoxylum oahuense</i>	E	Hawaii	Dicot
A'e (Zanthoxylum dipetalum var. tomentosum)	<i>Zanthoxylum dipetalum</i> var. <i>tomentosum</i>	E	Hawaii	Dicot
A'e (Zanthoxylum hawaiiense)	<i>Zanthoxylum hawaiiense</i>	E	Hawaii	Dicot
'Aiea (Nothoestrum breviflorum)	<i>Nothoestrum breviflorum</i>	E	Hawaii	Dicot
'Aiea (Nothoestrum peltatum)	<i>Nothoestrum peltatum</i>	E	Hawaii	Dicot
Akoko	<i>Chamaesyce remyi</i> var. <i>kauaiensis</i>	E	Hawaii	Dicot
'akoko	<i>Chamaesyce eleanoriae</i>	E	Hawaii	Dicot
'Akoko (Chamaesyce celastroides var. kaenana)	<i>Chamaesyce celastroides</i> var. <i>kaenana</i>	E	Hawaii	Dicot
'Akoko (Chamaesyce deppeana)	<i>Chamaesyce deppeana</i>	E	Hawaii	Dicot
'Akoko (Chamaesyce herbstii)	<i>Chamaesyce herbstii</i>	E	Hawaii	Dicot
'Akoko (Chamaesyce kuwaleana)	<i>Chamaesyce kuwaleana</i>	E	Hawaii	Dicot
'Akoko (Chamaesyce rockii)	<i>Chamaesyce rockii</i>	E	Hawaii	Dicot

INVNAME	SCINAME	Status	STATE NAME	Taxon
'Akoko (Chamaesyce skottsbergii var. skottsbe)	<i>Chamaesyce skottsbergii</i> <i>var. kalaeloana</i>	E	Hawaii	Dicot
'Akoko (Euphorbia haeleeleana)	<i>Euphorbia haeleeleana</i>	E	Hawaii	Dicot
alani	<i>Melicope christophersenii</i>	E	Hawaii	Dicot
alani	<i>Melicope degeneri</i>	E	Hawaii	Dicot
alani	<i>Melicope hiiakae</i>	E	Hawaii	Dicot
alani	<i>Melicope makahae</i>	E	Hawaii	Dicot
alani	<i>Melicope paniculata</i>	E	Hawaii	Dicot
alani	<i>Melicope puberula</i>	E	Hawaii	Dicot
Alani (Melicope adscendens)	<i>Melicope adscendens</i>	E	Hawaii	Dicot
Alani (Melicope balloui)	<i>Melicope balloui</i>	E	Hawaii	Dicot
Alani (Melicope haupuensis)	<i>Melicope haupuensis</i>	E	Hawaii	Dicot
Alani (Melicope knudsenii)	<i>Melicope knudsenii</i>	E	Hawaii	Dicot
Alani (Melicope lydgatei)	<i>Melicope lydgatei</i>	E	Hawaii	Dicot
Alani (Melicope mucronulata)	<i>Melicope mucronulata</i>	E	Hawaii	Dicot
Alani (Melicope ovalis)	<i>Melicope ovalis</i>	E	Hawaii	Dicot
Alani (Melicope pallida)	<i>Melicope pallida</i>	E	Hawaii	Dicot
Alani (Melicope quadrangularis)	<i>Melicope quadrangularis</i>	E	Hawaii	Dicot
Alani (Melicope saint-johnii)	<i>Melicope saint-johnii</i>	E	Hawaii	Dicot
Alani (Melicope zahlbruckneri)	<i>Melicope zahlbruckneri</i>	E	Hawaii	Dicot
Alsinidendron obovatum (ncn)	<i>Alsinidendron obovatum</i>	E	Hawaii	Dicot
Alsinidendron trinerve (ncn)	<i>Alsinidendron trinerve</i>	E	Hawaii	Dicot
Alsinidendron viscosum (ncn)	<i>Alsinidendron viscosum</i>	E	Hawaii	Dicot

INVNAME	SCINAME	Status	STATE NAME	Taxon
'Anaunau (Lepidium arbuscula)	<i>Lepidium arbuscula</i>	E	Hawaii	Dicot
'Anunu (Sicyos alba)	<i>Sicyos alba</i>	E	Hawaii	Dicot
Aupaka (Isodendrion hosakae)	<i>Isodendrion hosakae</i>	E	Hawaii	Dicot
Aupaka (Isodendrion laurifolium)	<i>Isodendrion laurifolium</i>	E	Hawaii	Dicot
awikiwiki	<i>Canavalia napaliensis</i>	E	Hawaii	Dicot
'Awiwi (Centaurium sebaeoides)	<i>Centaurium sebaeoides</i>	E	Hawaii	Dicot
'Awiwi (Hedyotis cookiana)	<i>Hedyotis cookiana</i>	E	Hawaii	Dicot
Bonamia menziesii (ncn)	<i>Bonamia menziesii</i>	E	Hawaii	Dicot
Chamaesyce Halemanui (ncn)	<i>Chamaesyce halemanui</i>	E	Hawaii	Dicot
Cyanea undulata (ncn)	<i>Cyanea undulata</i>	E	Hawaii	Dicot
Delissea rhytidisperma (ncn)	<i>Delissea rhytidisperma</i>	E	Hawaii	Dicot
Dubautia latifolia (ncn)	<i>Dubautia latifolia</i>	E	Hawaii	Dicot
Dubautia pauciflorula (ncn)	<i>Dubautia pauciflorula</i>	E	Hawaii	Dicot
Geranium, Hawaiian Red-flowered	<i>Geranium arboreum</i>	E	Hawaii	Dicot
Gouania hillebrandii (ncn)	<i>Gouania hillebrandii</i>	E	Hawaii	Dicot
Gouania meyenii (ncn)	<i>Gouania meyenii</i>	E	Hawaii	Dicot
Gouania vitifolia (ncn)	<i>Gouania vitifolia</i>	E	Hawaii	Dicot
ha`iwale	<i>Cyrtandra kaulantha</i>	E	Hawaii	Dicot

INVNAME	SCINAME	Status	STATE NAME	Taxon
ha`iwale	<i>Cyrtandra sessilis</i>	E	Hawaii	Dicot
Haha	<i>Cyanea calycina</i>	E	Hawaii	Dicot
Haha	<i>Cyanea dolichopoda</i>	E	Hawaii	Dicot
haha	<i>Cyanea eleeleensis</i>	E	Hawaii	Dicot
Haha	<i>Cyanea kuhihewa</i>	E	Hawaii	Dicot
Haha	<i>Cyanea lanceolata</i>	E	Hawaii	Dicot
haha	<i>Cyanea purpurellifolia</i>	E	Hawaii	Dicot
Haha (Cyanea acuminata)	<i>Cyanea acuminata</i>	E	Hawaii	Dicot
Haha (Cyanea asarifolia)	<i>Cyanea asarifolia</i>	E	Hawaii	Dicot
Haha (Cyanea copelandii ssp. copelandii)	<i>Cyanea copelandii ssp. copelandii</i>	E	Hawaii	Dicot
Haha (Cyanea copelandii ssp. haleakalaensis)	<i>Cyanea copelandii ssp. haleakalaensis</i>	E	Hawaii	Dicot
Haha (Cyanea Crispa) (=Rollandia crispa)	<i>Cyanea (=Rollandia) crispa</i>	E	Hawaii	Dicot
Haha (Cyanea glabra)	<i>Cyanea glabra</i>	E	Hawaii	Dicot
Haha (Cyanea grimesiana ssp. grimesiana)	<i>Cyanea grimesiana ssp. grimesiana</i>	E	Hawaii	Dicot
Haha (Cyanea grimesiana ssp. obatae)	<i>Cyanea grimesiana ssp. obatae</i>	E	Hawaii	Dicot
Haha (Cyanea hamatiflora ssp. carlsonii)	<i>Cyanea hamatiflora ssp. Carlsonii</i>	E	Hawaii	Dicot
Haha (Cyanea hamatiflora ssp. hamatiflora)	<i>Cyanea hamatiflora ssp. hamatiflora</i>	E	Hawaii	Dicot
Haha (Cyanea humboldtiana)	<i>Cyanea humboldtiana</i>	E	Hawaii	Dicot
Haha (Cyanea koolauensis)	<i>Cyanea koolauensis</i>	E	Hawaii	Dicot
Haha (Cyanea lobata)	<i>Cyanea lobata</i>	E	Hawaii	Dicot

INVNAME	SCINAME	Status	STATE NAME	Taxon
Haha (Cyanea longiflora)	<i>Cyanea longiflora</i>	E	Hawaii	Dicot
Haha (Cyanea mceldowneyi)	<i>Cyanea mceldowneyi</i>	E	Hawaii	Dicot
Haha (Cyanea pinnatifida)	<i>Cyanea pinnatifida</i>	E	Hawaii	Dicot
Haha (Cyanea platyphylla)	<i>Cyanea platyphylla</i>	E	Hawaii	Dicot
Haha (Cyanea remyi)	<i>Cyanea remyi</i>	E	Hawaii	Dicot
Haha (Cyanea shipmanii)	<i>Cyanea shipmanii</i>	E	Hawaii	Dicot
Haha (Cyanea stictophylla)	<i>Cyanea stictophylla</i>	E	Hawaii	Dicot
Haha (Cyanea St-Johnii) (=Rollandia St-Johnii)	<i>Cyanea st-johnii</i>	E	Hawaii	Dicot
Haha (Cyanea superba)	<i>Cyanea superba</i>	E	Hawaii	Dicot
Haha (Cyanea truncata)	<i>Cyanea truncata</i>	E	Hawaii	Dicot
haiwale	<i>Cyrtandra gracilis</i>	E	Hawaii	Dicot
haiwale	<i>Cyrtandra paliku</i>	E	Hawaii	Dicot
haiwale	<i>Cyrtandra waiolani</i>	E	Hawaii	Dicot
Ha'Iwale (Cyrtandra crenata)	<i>Cyrtandra crenata</i>	E	Hawaii	Dicot
Ha'Iwale (Cyrtandra dentata)	<i>Cyrtandra dentata</i>	E	Hawaii	Dicot
Ha'Iwale (Cyrtandra giffardii)	<i>Cyrtandra giffardii</i>	E	Hawaii	Dicot
Ha'Iwale (Cyrtandra munroi)	<i>Cyrtandra munroi</i>	E	Hawaii	Dicot
Ha'iwale (Cyrtandra oenobarba)	<i>Cyrtandra oenobarba</i>	E	Hawaii	Dicot
Ha'Iwale (Cyrtandra polyantha)	<i>Cyrtandra polyantha</i>	E	Hawaii	Dicot
Ha'Iwale (Cyrtandra subumbellata)	<i>Cyrtandra subumbellata</i>	E	Hawaii	Dicot

INVNAME	SCINAME	Status	STATE NAME	Taxon
Ha'Iwale (Cyrtandra tintinnabula)	<i>Cyrtandra tintinnabula</i>	E	Hawaii	Dicot
Ha'Iwale (Cyrtandra viridiflora)	<i>Cyrtandra viridiflora</i>	E	Hawaii	Dicot
Haplostachys Haplostachya (ncn)	<i>Haplostachys haplostachya</i>	E	Hawaii	Dicot
Hau Kauhiwi (Hibiscadelphus woodii)	<i>Hibiscadelphus woodii</i>	E	Hawaii	Dicot
Hau Kuahiwi (Hibiscadelphus distans)	<i>Hibiscadelphus distans</i>	E	Hawaii	Dicot
Hau Kuahiwi (Hibiscadelphus giffardianus)	<i>Hibiscadelphus giffardianus</i>	E	Hawaii	Dicot
Hau Kuahiwi (Hibiscadelphus hualalaiensis)	<i>Hibiscadelphus hualalaiensis</i>	E	Hawaii	Dicot
Heau (Exocarpos luteolus)	<i>Exocarpos luteolus</i>	E	Hawaii	Dicot
Hedyotis degeneri (ncn)	<i>Hedyotis degeneri</i>	E	Hawaii	Dicot
Hedyotis parvula (ncn)	<i>Hedyotis parvula</i>	E	Hawaii	Dicot
Hedyotis St.-Johnii (ncn)	<i>Hedyotis st.-johnii</i>	E	Hawaii	Dicot
Hesperomannia arborescens (ncn)	<i>Hesperomannia arborescens</i>	E	Hawaii	Dicot
Hesperomannia arbuscula (ncn)	<i>Hesperomannia arbuscula</i>	E	Hawaii	Dicot
Hesperomannia lydgatei (ncn)	<i>Hesperomannia lydgatei</i>	E	Hawaii	Dicot
Hibiscus, Clay's	<i>Hibiscus clayi</i>	E	Hawaii	Dicot
ho'awa	<i>Pittosporum napaliense</i>	E	Hawaii	Dicot
Holei (Ochrosia kilaueaensis)	<i>Ochrosia kilaueaensis</i>	E	Hawaii	Dicot
Iliau (Wilkesia hobdyi)	<i>Wilkesia hobdyi</i>	E	Hawaii	Dicot

INVNAME	SCINAME	Status	STATE NAME	Taxon
kamakahala	<i>Labordia helleri</i>	E	Hawaii	Dicot
kamakahala	<i>Labordia pumila</i>	E	Hawaii	Dicot
Kamakahala (Labordia cyrtandrae)	<i>Labordia cyrtandrae</i>	E	Hawaii	Dicot
Kamakahala (Labordia lydgatei)	<i>Labordia lydgatei</i>	E	Hawaii	Dicot
Kamakahala (Labordia tinifolia var. wahiawaen)	<i>Labordia tinifolia var. wahiawaensis</i>	E	Hawaii	Dicot
Kauila (Colubrina oppositifolia)	<i>Colubrina oppositifolia</i>	E	Hawaii	Dicot
kaulu	<i>Pteralyxia macrocarpa</i>	E	Hawaii	Dicot
Kaulu (Pteralyxia kauaiensis)	<i>Pteralyxia kauaiensis</i>	E	Hawaii	Dicot
Kio'Ele (Hedyotis coriacea)	<i>Hedyotis coriacea</i>	E	Hawaii	Dicot
Kiponapona (Phyllostegia racemosa)	<i>Phyllostegia racemosa</i>	E	Hawaii	Dicot
ko`oko`olau	<i>Bidens amplexans</i>	E	Hawaii	Dicot
Koki'o (Kokia drynarioides)	<i>Kokia drynarioides</i>	E	Hawaii	Dicot
Koki'o (Kokia kauaiensis)	<i>Kokia kauaiensis</i>	E	Hawaii	Dicot
Koki'o Ke'oke'o (Hibiscus waimeae ssp. hanneriae)	<i>Hibiscus waimeae ssp. hanneriae</i>	E	Hawaii	Dicot
Kolea	<i>Myrsine knudsenii</i>	E	Hawaii	Dicot
kolea	<i>Myrsine mezii</i>	E	Hawaii	Dicot
Kolea (Myrsine juddii)	<i>Myrsine juddii</i>	E	Hawaii	Dicot
Ko'oko'olau (Bidens micrantha ssp. kalealaha)	<i>Bidens micrantha ssp. kalealaha</i>	E	Hawaii	Dicot
Ko'oloa'ula (Abutilon menziesii)	<i>Abutilon menziesii</i>	E	Hawaii	Dicot
kopiko	<i>Psychotria grandiflora</i>	E	Hawaii	Dicot
kopiko	<i>Psychotria hobdyi</i>	E	Hawaii	Dicot

INVNAME	SCINAME	Status	STATE NAME	Taxon
Kuawawaenuhu (Alsinidendron lychnoides)	<i>Alsinidendron lychnoides</i>	E	Hawaii	Dicot
Kulu'I (Nototrichium humile)	<i>Nototrichium humile</i>	E	Hawaii	Dicot
Laukahi Kuahiwi (Plantago hawaiiensis)	<i>Plantago hawaiiensis</i>	E	Hawaii	Dicot
Laukahi Kuahiwi (Plantago princeps)	<i>Plantago princeps</i>	E	Hawaii	Dicot
Lauhilihi (Schiedea stellarioides)	<i>Schiedea stellarioides</i>	E	Hawaii	Dicot
lehua makanoe	<i>Lysimachia daphnoides</i>	E	Hawaii	Dicot
Liliwai (Acaena exigua)	<i>Acaena exigua</i>	E	Hawaii	Dicot
Lipochaeta venosa (ncn)	<i>Lipochaeta venosa</i>	E	Hawaii	Dicot
Lobelia monostachya (ncn)	<i>Lobelia monostachya</i>	E	Hawaii	Dicot
Lobelia niihauensis (ncn)	<i>Lobelia niihauensis</i>	E	Hawaii	Dicot
Lobelia oahuensis (ncn)	<i>Lobelia oahuensis</i>	E	Hawaii	Dicot
Lysimachia filifolia (ncn)	<i>Lysimachia filifolia</i>	E	Hawaii	Dicot
Lysimachia lydgatei (ncn)	<i>Lysimachia lydgatei</i>	E	Hawaii	Dicot
Mahoe (Alectryon macrococcus)	<i>Alectryon macrococcus</i>	E	Hawaii	Dicot
Ma'o Hau Hele (Hibiscus brackenridgei)	<i>Hibiscus brackenridgei</i>	E	Hawaii	Dicot
Ma'oli'oli (Schiedea apokremnos)	<i>Schiedea apokremnos</i>	E	Hawaii	Dicot
Ma'oli'oli (Schiedea kealiae)	<i>Schiedea kealiae</i>	E	Hawaii	Dicot
Mapele (Cyrtandra cyaneoides)	<i>Cyrtandra cyaneoides</i>	E	Hawaii	Dicot

INVNAME	SCINAME	Status	STATE NAME	Taxon
Mehamehame (Flueggea neowawraea)	<i>Flueggea neowawraea</i>	E	Hawaii	Dicot
Munroidendron racemosum (ncn)	<i>Munroidendron racemosum</i>	E	Hawaii	Dicot
na`ena`e	<i>Dubautia imbricata imbricata</i>	E	Hawaii	Dicot
na`ena`e	<i>Dubautia plantaginea magnifolia</i>	E	Hawaii	Dicot
Na`ena`e	<i>Dubautia waialealae</i>	E	Hawaii	Dicot
Naenae	<i>Dubautia kalalauensis</i>	E	Hawaii	Dicot
Naenae	<i>Dubautia kenwoodii</i>	E	Hawaii	Dicot
Na`ena`e (Dubautia herbstobatae)	<i>Dubautia herbstobatae</i>	E	Hawaii	Dicot
Na`ena`e (Dubautia plantaginea ssp. humilis)	<i>Dubautia plantaginea ssp. humilis</i>	E	Hawaii	Dicot
Nani Wai`ale`ale (Viola kauaensis var. wahiawaensis)	<i>Viola kauaensis var. wahiawaensis</i>	E	Hawaii	Dicot
Nanu (Gardenia mannii)	<i>Gardenia mannii</i>	E	Hawaii	Dicot
Na`u (Gardenia brighamii)	<i>Gardenia brighamii</i>	E	Hawaii	Dicot
Naupaka, Dwarf (Scaevola coriacea)	<i>Scaevola coriacea</i>	E	Hawaii	Dicot
Nehe (Lipochaeta fauriei)	<i>Lipochaeta fauriei</i>	E	Hawaii	Dicot
Nehe (Lipochaeta kamolensis)	<i>Lipochaeta kamolensis</i>	E	Hawaii	Dicot
Nehe (Lipochaeta lobata var. leptophylla)	<i>Lipochaeta lobata var. leptophylla</i>	E	Hawaii	Dicot
Nehe (Lipochaeta micrantha)	<i>Lipochaeta micrantha</i>	E	Hawaii	Dicot
Nehe (Lipochaeta tenuifolia)	<i>Lipochaeta tenuifolia</i>	E	Hawaii	Dicot
Nehe (Lipochaeta waimeaensis)	<i>Lipochaeta waimeaensis</i>	E	Hawaii	Dicot

INVNAME	SCINAME	Status	STATE NAME	Taxon
Neraudia angulata (ncn)	<i>Neraudia angulata</i>	E	Hawaii	Dicot
Neraudia ovata (ncn)	<i>Neraudia ovata</i>	E	Hawaii	Dicot
Neraudia sericea (ncn)	<i>Neraudia sericea</i>	E	Hawaii	Dicot
Nioi (Eugenia koolauensis)	<i>Eugenia koolauensis</i>	E	Hawaii	Dicot
nohoanu	<i>Geranium kauaiense</i>	E	Hawaii	Dicot
Nohoanu (Geranium multiflorum)	<i>Geranium multiflorum</i>	E	Hawaii	Dicot
Oahu wild coffee	<i>Psychotria hexandra ssp. Oahuensis</i>	E	Hawaii	Dicot
'Oha (Delissea rivularis)	<i>Delissea rivularis</i>	E	Hawaii	Dicot
'Oha (Delissea subcordata)	<i>Delissea subcordata</i>	E	Hawaii	Dicot
'Oha (Delissea undulata)	<i>Delissea undulata</i>	E	Hawaii	Dicot
'Oha (Lobelia gaudichaudii koolauensis)	<i>Lobelia gaudichaudii ssp. koolauensis</i>	E	Hawaii	Dicot
'Oha Wai (Clermontia drepanomorpha)	<i>Clermontia drepanomorpha</i>	E	Hawaii	Dicot
'Oha Wai (Clermontia lindseyana)	<i>Clermontia lindseyana</i>	E	Hawaii	Dicot
'Oha Wai (Clermontia oblongifolia ssp. mauiensis)	<i>Clermontia oblongifolia ssp. mauiensis</i>	E	Hawaii	Dicot
'Oha Wai (Clermontia peleana)	<i>Clermontia peleana</i>	E	Hawaii	Dicot
'Oha Wai (Clermontia pyrularia)	<i>Clermontia pyrularia</i>	E	Hawaii	Dicot

INVNAME	SCINAME	Status	STATE NAME	Taxon
'Oha Wai (Clermontia samuelii)	<i>Clermontia samuelii</i>	E	Hawaii	Dicot
'Ohai (Sesbania tomentosa)	<i>Sesbania tomentosa</i>	E	Hawaii	Dicot
'Ohe'ohe (Tetraplasandra gymnocarpa)	<i>Tetraplasandra gymnocarpa</i>	E	Hawaii	Dicot
'Olulu (Brighamia insignis)	<i>Brighamia insignis</i>	E	Hawaii	Dicot
Opuhe (Urera kaalae)	<i>Urera kaalae</i>	E	Hawaii	Dicot
Pamakani (Viola chamissoniana ssp. chamissoniana)	<i>Viola chamissoniana ssp. chamissoniana</i>	E	Hawaii	Dicot
Papala	<i>Charpentiera densiflora</i>	E	Hawaii	Dicot
Phyllostegia hirsuta (ncn)	<i>Phyllostegia hirsuta</i>	E	Hawaii	Dicot
Phyllostegia kaalaensis (ncn)	<i>Phyllostegia kaalaensis</i>	E	Hawaii	Dicot
Phyllostegia knudsenii (ncn)	<i>Phyllostegia knudsenii</i>	E	Hawaii	Dicot
Phyllostegia mannii (ncn)	<i>Phyllostegia mannii</i>	E	Hawaii	Dicot
Phyllostegia mollis (ncn)	<i>Phyllostegia mollis</i>	E	Hawaii	Dicot
Phyllostegia parviflora (ncn)	<i>Phyllostegia parviflora</i>	E	Hawaii	Dicot
Phyllostegia velutina (ncn)	<i>Phyllostegia velutina</i>	E	Hawaii	Dicot
Phyllostegia waimeae (ncn)	<i>Phyllostegia waimeae</i>	E	Hawaii	Dicot
Phyllostegia warshaueri (ncn)	<i>Phyllostegia warshaueri</i>	E	Hawaii	Dicot
Phyllostegia wawrana (ncn)	<i>Phyllostegia wawrana</i>	E	Hawaii	Dicot
Pilo (Hedyotis mannii)	<i>Hedyotis mannii</i>	E	Hawaii	Dicot
pilo kea lau li`i	<i>Platydesma rostrata</i>	E	Hawaii	Dicot

INVNAME	SCINAME	Status	STATE NAME	Taxon
Po'e (Portulaca sclerocarpa)	<i>Portulaca sclerocarpa</i>	E	Hawaii	Dicot
Popolo 'Aiakeakua (Solanum sandwicense)	<i>Solanum sandwicense</i>	E	Hawaii	Dicot
Popolo Ku Mai (Solanum incompletum)	<i>Solanum incompletum</i>	E	Hawaii	Dicot
Pua'ala (Brighamia rockii)	<i>Brighamia rockii</i>	E	Hawaii	Dicot
Remya kauaiensis (ncn)	<i>Remya kauaiensis</i>	E	Hawaii	Dicot
Remya montgomeryi (ncn)	<i>Remya montgomeryi</i>	E	Hawaii	Dicot
Remya, Maui	<i>Remya mauiensis</i>	E	Hawaii	Dicot
Sandalwood, Lanai (=Iliahi)	<i>Santalum freycinetianum</i> var. <i>lanaiense</i>	E	Hawaii	Dicot
Sanicula mariversa (ncn)	<i>Sanicula mariversa</i>	E	Hawaii	Dicot
Sanicula purpurea (ncn)	<i>Sanicula purpurea</i>	E	Hawaii	Dicot
Schiedea haleakalensis (ncn)	<i>Schiedea haleakalensis</i>	E	Hawaii	Dicot
Schiedea helleri (ncn)	<i>Schiedea helleri</i>	E	Hawaii	Dicot
Schiedea hookeri (ncn)	<i>Schiedea hookeri</i>	E	Hawaii	Dicot
Schiedea kaalae (ncn)	<i>Schiedea kaalae</i>	E	Hawaii	Dicot
Schiedea kauaiensis (ncn)	<i>Schiedea kauaiensis</i>	E	Hawaii	Dicot
Schiedea membranacea (ncn)	<i>Schiedea membranacea</i>	E	Hawaii	Dicot
Schiedea nuttallii (ncn)	<i>Schiedea nuttallii</i>	E	Hawaii	Dicot
Schiedea spergulina var. leiopoda (ncn)	<i>Schiedea spergulina</i> var. <i>leiopoda</i>	E	Hawaii	Dicot
Schiedea, Diamond Head (Schiedea adamantis)	<i>Schiedea adamantis</i>	E	Hawaii	Dicot

INVNAME	SCINAME	Status	STATE NAME	Taxon
Silene lanceolata (ncn)	<i>Silene lanceolata</i>	E	Hawaii	Dicot
Silene perlmanii (ncn)	<i>Silene perlmanii</i>	E	Hawaii	Dicot
Silversword, Ka'u (Argyroxiphium kauense)	<i>Argyroxiphium kauense</i>	E	Hawaii	Dicot
Silversword, Mauna Kea ('Ahinahina)	<i>Argyroxiphium sandwicense ssp. sandwicense</i>	E	Hawaii	Dicot
Spermolepis hawaiiensis (ncn)	<i>Spermolepis hawaiiensis</i>	E	Hawaii	Dicot
Stenogyne angustifolia (ncn)	<i>Stenogyne angustifolia var. angustifolia</i>	E	Hawaii	Dicot
Stenogyne campanulata (ncn)	<i>Stenogyne campanulata</i>	E	Hawaii	Dicot
Stenogyne kanehoana (ncn)	<i>Stenogyne kanehoana</i>	E	Hawaii	Dicot
Tetramolopium arenarium (ncn)	<i>Tetramolopium arenarium</i>	E	Hawaii	Dicot
Tetramolopium capillare (ncn)	<i>Tetramolopium capillare</i>	E	Hawaii	Dicot
Tetramolopium filiforme (ncn)	<i>Tetramolopium filiforme</i>	E	Hawaii	Dicot
Tetramolopium lepidotum ssp. lepidotum (ncn)	<i>Tetramolopium lepidotum ssp. lepidotum</i>	E	Hawaii	Dicot
Tetramolopium remyi (ncn)	<i>Tetramolopium remyi</i>	E	Hawaii	Dicot
Trematolobelia singularis (ncn)	<i>Trematolobelia singularis</i>	E	Hawaii	Dicot
Uhiuhi (Caesalpinia kavaensis)	<i>Caesalpinia kavaensis</i>	E	Hawaii	Dicot
Vetch, Hawaiian (Vicia menziesii)	<i>Vicia menziesii</i>	E	Hawaii	Dicot
Vigna o-wahuensis (ncn)	<i>Vigna o-wahuensis</i>	E	Hawaii	Dicot
Viola helenae (ncn)	<i>Viola helenae</i>	E	Hawaii	Dicot
Viola oahuensis (ncn)	<i>Viola oahuensis</i>	E	Hawaii	Dicot

INVNAME	SCINAME	Status	STATE NAME	Taxon
Wahine Noho Kula (Isodendron pyriformium)	<i>Isodendron pyriformium</i>	E	Hawaii	Dicot
Xylosma crenatum (ncn)	<i>Xylosma crenatum</i>	E	Hawaii	Dicot
Aupaka (Isodendron longifolium)	<i>Isodendron longifolium</i>	T	Hawaii	Dicot
Haha (Cyanea recta)	<i>Cyanea recta</i>	T	Hawaii	Dicot
Ha'Iwale (Cyrtandra limahuliensis)	<i>Cyrtandra limahuliensis</i>	T	Hawaii	Dicot
Kolea (Myrsine linearifolia)	<i>Myrsine linearifolia</i>	T	Hawaii	Dicot
Makou (Peucedanum sandwicense)	<i>Peucedanum sandwicense</i>	T	Hawaii	Dicot
Schiedea spergulina var. spergulina (ncn)	<i>Schiedea spergulina</i> var. <i>spergulina</i>	T	Hawaii	Dicot
Silene hawaiiensis (ncn)	<i>Silene hawaiiensis</i>	T	Hawaii	Dicot
Silversword, Haleakala ('Ahinahina)	<i>Argyroxiphium sandwicense</i> ssp. <i>macrocephalum</i>	T	Hawaii	Dicot
Tetramolopium rockii (ncn)	<i>Tetramolopium rockii</i>	T	Hawaii	Dicot
(ncn)	<i>Diellia mannii</i>	E	Hawaii	Ferns
(ncn)	<i>Doryopteris angelica</i>	E	Hawaii	Ferns
(ncn)	<i>Doryopteris takeuchii</i>	E	Hawaii	Ferns
Asplenium fragile var. insulare (ncn)	<i>Asplenium fragile</i> var. <i>insulare</i>	E	Hawaii	Ferns
aumakua, Palapalai	<i>Dryopteris crinalis</i> <i>podosorus</i>	E	Hawaii	Ferns
Diellia erecta (ncn)	<i>Diellia erecta</i>	E	Hawaii	Ferns
Diellia falcata (ncn)	<i>Diellia falcata</i>	E	Hawaii	Ferns
Diellia pallida (ncn)	<i>Diellia pallida</i>	E	Hawaii	Ferns
Diellia unisora (ncn)	<i>Diellia unisora</i>	E	Hawaii	Ferns

INVNAME	SCINAME	Status	STATE NAME	Taxon
Diplazium molokaiense (ncn)	<i>Diplazium molokaiense</i>	E	Hawaii	Ferns
Fern, Pendant Kihī (Adenophorus periens)	<i>Adenophorus periens</i>	E	Hawaii	Ferns
'Thi'hi (Marsilea villosa)	<i>Marsilea villosa</i>	E	Hawaii	Ferns
Pauoa (Ctenitis squamigera)	<i>Ctenitis squamigera</i>	E	Hawaii	Ferns
Pteris lidgatei (ncn)	<i>Pteris lidgatei</i>	E	Hawaii	Ferns
Wawae'Iole (Phlegmariurus (=Huperzia) mannii)	<i>Huperzia mannii</i>	E	Hawaii	Ferns
Wawae'Iole (Phlegmariurus (=Lycopodium) nutans)	<i>Lycopodium (=Phlegmariurus) nutans</i>	E	Hawaii	Ferns
Snail, O'ahu Tree (Achatinella abbreviata)	<i>Achatinella abbreviata</i>	E	Hawaii	Gastropod
Snail, O'ahu Tree (Achatinella apexfulva)	<i>Achatinella apexfulva</i>	E	Hawaii	Gastropod
Snail, O'ahu Tree (Achatinella bellula)	<i>Achatinella bellula</i>	E	Hawaii	Gastropod
Snail, O'ahu Tree (Achatinella buddii)	<i>Achatinella buddii</i>	E	Hawaii	Gastropod
Snail, O'ahu Tree (Achatinella bulimoides)	<i>Achatinella bulimoides</i>	E	Hawaii	Gastropod
Snail, O'ahu Tree (Achatinella byronii)	<i>Achatinella byronii</i>	E	Hawaii	Gastropod
Snail, O'ahu Tree (Achatinella caesia)	<i>Achatinella caesia</i>	E	Hawaii	Gastropod
Snail, O'ahu Tree (Achatinella casta)	<i>Achatinella casta</i>	E	Hawaii	Gastropod
Snail, O'ahu Tree (Achatinella cestus)	<i>Achatinella cestus</i>	E	Hawaii	Gastropod

INVNAME	SCINAME	Status	STATE NAME	Taxon
Snail, O'ahu Tree (Achatinella concavospira)	<i>Achatinella concavospira</i>	E	Hawaii	Gastropod
Snail, O'ahu Tree (Achatinella curta)	<i>Achatinella curta</i>	E	Hawaii	Gastropod
Snail, O'ahu Tree (Achatinella decipiens)	<i>Achatinella decipiens</i>	E	Hawaii	Gastropod
Snail, O'ahu Tree (Achatinella decora)	<i>Achatinella decora</i>	E	Hawaii	Gastropod
Snail, O'ahu Tree (Achatinella dimorpha)	<i>Achatinella dimorpha</i>	E	Hawaii	Gastropod
Snail, O'ahu Tree (Achatinella elegans)	<i>Achatinella elegans</i>	E	Hawaii	Gastropod
Snail, O'ahu Tree (Achatinella fulgens)	<i>Achatinella fulgens</i>	E	Hawaii	Gastropod
Snail, O'ahu Tree (Achatinella fuscobasis)	<i>Achatinella fuscobasis</i>	E	Hawaii	Gastropod
Snail, O'ahu Tree (Achatinella juddii)	<i>Achatinella juddii</i>	E	Hawaii	Gastropod
Snail, O'ahu Tree (Achatinella juncea)	<i>Achatinella juncea</i>	E	Hawaii	Gastropod
Snail, O'ahu Tree (Achatinella lehuiensis)	<i>Achatinella lehuiensis</i>	E	Hawaii	Gastropod
Snail, O'ahu Tree (Achatinella leucorraphe)	<i>Achatinella leucorraphe</i>	E	Hawaii	Gastropod
Snail, O'ahu Tree (Achatinella lila)	<i>Achatinella lila</i>	E	Hawaii	Gastropod
Snail, O'ahu Tree (Achatinella livida)	<i>Achatinella livida</i>	E	Hawaii	Gastropod
Snail, O'ahu Tree (Achatinella lorata)	<i>Achatinella lorata</i>	E	Hawaii	Gastropod

INVNAME	SCINAME	Status	STATE NAME	Taxon
Snail, O'ahu Tree (Achatinella mustelina)	<i>Achatinella mustelina</i>	E	Hawaii	Gastropod
Snail, O'ahu Tree (Achatinella papyracea)	<i>Achatinella papyracea</i>	E	Hawaii	Gastropod
Snail, O'ahu Tree (Achatinella phaeozona)	<i>Achatinella phaeozona</i>	E	Hawaii	Gastropod
Snail, O'ahu Tree (Achatinella pulcherrima)	<i>Achatinella pulcherrima</i>	E	Hawaii	Gastropod
Snail, O'ahu Tree (Achatinella pupukanioe)	<i>Achatinella pupukanioe</i>	E	Hawaii	Gastropod
Snail, O'ahu Tree (Achatinella rosea)	<i>Achatinella rosea</i>	E	Hawaii	Gastropod
Snail, O'ahu Tree (Achatinella sowerbyana)	<i>Achatinella sowerbyana</i>	E	Hawaii	Gastropod
Snail, O'ahu Tree (Achatinella spaldingi)	<i>Achatinella spaldingi</i>	E	Hawaii	Gastropod
Snail, O'ahu Tree (Achatinella stewartii)	<i>Achatinella stewartii</i>	E	Hawaii	Gastropod
Snail, O'ahu Tree (Achatinella swiftii)	<i>Achatinella swiftii</i>	E	Hawaii	Gastropod
Snail, O'ahu Tree (Achatinella taeniolata)	<i>Achatinella taeniolata</i>	E	Hawaii	Gastropod
Snail, O'ahu Tree (Achatinella thaahumi)	<i>Achatinella thaahumi</i>	E	Hawaii	Gastropod
Snail, O'ahu Tree (Achatinella turgida)	<i>Achatinella turgida</i>	E	Hawaii	Gastropod
Snail, O'ahu Tree (Achatinella valida)	<i>Achatinella valida</i>	E	Hawaii	Gastropod

INVNAME	SCINAME	Status	STATE NAME	Taxon
Snail, O'ahu Tree (<i>Achatinella viridans</i>)	<i>Achatinella viridans</i>	E	Hawaii	Gastropod
Snail, O'ahu Tree (<i>Achatinella vittata</i>)	<i>Achatinella vittata</i>	E	Hawaii	Gastropod
Snail, O'ahu Tree (<i>Achatinella vulpina</i>)	<i>Achatinella vulpina</i>	E	Hawaii	Gastropod
Snail, Newcomb's	<i>Erinna newcombi</i>	T	Hawaii	Gastropod
blackline Hawaiian damselfly	<i>Megalagrion nigrohamatum nigrolineatum</i>	E	Hawaii	Insect
Crimson Hawaiian damselfly	<i>Megalagrion leptodemas</i>	E	Hawaii	Insect
Damselfly, Flying Earwig Hawaiian	<i>Megalagrion nesiotes</i>	E	Hawaii	Insect
Damselfly, Pacific Hawaiian	<i>Megalagrion pacificum</i>	E	Hawaii	Insect
Fly, Hawaiian picture-wing	<i>Drosophila aglaia</i>	E	Hawaii	Insect
Fly, Hawaiian picture-wing	<i>Drosophila hemipeza</i>	E	Hawaii	Insect
Fly, Hawaiian picture-wing	<i>Drosophila heteroneura</i>	E	Hawaii	Insect
Fly, Hawaiian picture-wing	<i>Drosophila montgomeryi</i>	E	Hawaii	Insect
Fly, Hawaiian picture-wing	<i>Drosophila musaphilia</i>	E	Hawaii	Insect
Fly, Hawaiian picture-wing	<i>Drosophila neoclavisetae</i>	E	Hawaii	Insect
Fly, Hawaiian picture-wing	<i>Drosophila obatai</i>	E	Hawaii	Insect
Fly, Hawaiian picture-wing	<i>Drosophila ochrobasis</i>	E	Hawaii	Insect
Fly, Hawaiian picture-wing	<i>Drosophila substenoptera</i>	E	Hawaii	Insect
Fly, Hawaiian picture-wing	<i>Drosophila tarphytrichia</i>	E	Hawaii	Insect
Hawaiian picture-wing Fly	<i>Drosophila sharpi</i>	E	Hawaii	Insect

INVNAME	SCINAME	Status	STATE NAME	Taxon
Moth, Blackburn's Sphinx	<i>Manduca blackburni</i>	E	Hawaii	Insect
Oceanic Hawaiian damselfly	<i>Megalagrion oceanicum</i>	E	Hawaii	Insect
Fly, Hawaiian picture-wing	<i>Drosophila mulli</i>	T	Hawaii	Insect
Bat, Hawaiian Hoary	<i>Lasiurus cinereus semotus</i>	E	Hawaii	Mammal
Seal, Hawaiian Monk	<i>Monachus schauinslandi</i>	E	Hawaii	Mammal
Whale, Humpback	<i>Megaptera novaeangliae</i>	E	Hawaii	Mammal
Whale, Sperm	<i>Physeter catodon</i> (= <i>macrocephalus</i>)	E	Hawaii	Mammal
Bluegrass, Hawaiian	<i>Poa sandvicensis</i>	E	Hawaii	Monocot
Bluegrass, Mann's (Poa mannii)	<i>Poa mannii</i>	E	Hawaii	Monocot
Grass, Fosberg's Love	<i>Eragrostis fosbergii</i>	E	Hawaii	Monocot
Hala Pepe (Pleomele hawaiiensis)	<i>Pleomele hawaiiensis</i>	E	Hawaii	Monocot
Hilo Ischaemum (Ischaemum byrone)	<i>Ischaemum byrone</i>	E	Hawaii	Monocot
Kamanomano (Cenchrus agrimonioides)	<i>Cenchrus agrimonioides</i>	E	Hawaii	Monocot
Lau'ehu (Panicum niihauense)	<i>Panicum niihauense</i>	E	Hawaii	Monocot
lo`ulu	<i>Pritchardia hardyi</i>	E	Hawaii	Monocot
Lo`ulu (Pritchardia affinis)	<i>Pritchardia affinis</i>	E	Hawaii	Monocot
Lo`ulu (Pritchardia kaalae)	<i>Pritchardia kaalae</i>	E	Hawaii	Monocot
Lo`ulu (Pritchardia napaliensis)	<i>Pritchardia napaliensis</i>	E	Hawaii	Monocot
Lo`ulu (Pritchardia schattaueri)	<i>Pritchardia schattaueri</i>	E	Hawaii	Monocot

INVNAME	SCINAME	Status	STATE NAME	Taxon
Lo`ulu (Pritchardia viscosa)	<i>Pritchardia viscosa</i>	E	Hawaii	Monocot
Mariscus fauriei (ncn)	<i>Mariscus fauriei</i>	E	Hawaii	Monocot
Mariscus pennatiformis (ncn)	<i>Mariscus pennatiformis</i>	E	Hawaii	Monocot
Pa`iniu	<i>Astelia waialealae</i>	E	Hawaii	Monocot
Panicgrass, Carter's (Panicum fauriei var.carteri)	<i>Panicum fauriei var. carteri</i>	E	Hawaii	Monocot
Platanthera holochila (ncn)	<i>Platanthera holochila</i>	E	Hawaii	Monocot
Poa siphonoglossa (ncn)	<i>Poa siphonoglossa</i>	E	Hawaii	Monocot
Pu'uka'a (Cyperus trachysanthos)	<i>Cyperus trachysanthos</i>	E	Hawaii	Monocot
Sea turtle, hawksbill	<i>Eretmochelys imbricata</i>	E	Hawaii	Reptile
Sea turtle, leatherback	<i>Dermochelys coriacea</i>	E	Hawaii	Reptile
Sea turtle, green	<i>Chelonia mydas</i>	E/T	Hawaii	Reptile
Sea turtle, loggerhead	<i>Caretta caretta</i>	E/T	Hawaii	Reptile
Sea turtle, olive ridley	<i>Lepidochelys olivacea</i>	T	Hawaii	Reptile
Catchfly, Spalding's	<i>Silene spaldingii</i>	T	Idaho	Dicot
Four-o'clock, Macfarlane's	<i>Mirabilis macfarlanei</i>	T	Idaho	Dicot
Howellia, Water	<i>Howellia aquatilis</i>	T	Idaho	Dicot
Peppergrass, Slick Spot	<i>Lepidium papilliferum</i>	T	Idaho	Dicot
Salmon, Sockeye	<i>Oncorhynchus (=Salmo) nerka</i>	E	Idaho	Fish
Sturgeon, White	<i>Acipenser transmontanus</i>	E	Idaho	Fish
Salmon, Chinook	<i>Oncorhynchus (=Salmo) tshawytscha</i>	E/T	Idaho	Fish
Steelhead	<i>Oncorhynchus (=Salmo) mykiss</i>	E/T	Idaho	Fish

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Trout, Bull	<i>Salvelinus confluentus</i>	T	Idaho	Fish
Limpet, Banbury Springs	<i>Lanx sp.</i>	E	Idaho	Gastropod
Snail, Snake River Physa	<i>Physa natricina</i>	E	Idaho	Gastropod
Springsnail, Bruneau Hot	<i>Pyrgulopsis bruneauensis</i>	E	Idaho	Gastropod
Snail, Bliss Rapids	<i>Taylorconcha serpenticola</i>	T	Idaho	Gastropod
Caribou, Woodland	<i>Rangifer tarandus caribou</i>	E	Idaho	Mammal
Bear, Grizzly	<i>Ursus arctos horribilis</i>	T	Idaho	Mammal
Lynx, Canada	<i>Lynx canadensis</i>	T	Idaho	Mammal
Squirrel, Northern Idaho Ground	<i>Spermophilus brunneus brunneus</i>	T	Idaho	Mammal
Ladies'-tresses, Ute	<i>Spiranthes diluvialis</i>	T	Idaho	Monocot
Tern, Interior (population) Least	<i>Sterna antillarum</i>	E	Illinois	Bird
Plover, Piping	<i>Charadrius melodus</i>	E/T	Illinois	Bird
Fanshell	<i>Cyprogenia stegaria</i>	E	Illinois	Bivalve
Mucket, Pink (Pearlymussel)	<i>Lampsilis abrupta</i>	E	Illinois	Bivalve
Mussel, Clubshell	<i>Pleurobema clava</i>	E	Illinois	Bivalve
Mussel, snuffbox	<i>Epioblasma triquetra</i>	E	Illinois	Bivalve
Pearlymussel, Fat Pocketbook	<i>Potamilus capax</i>	E	Illinois	Bivalve
Pearlymussel, Higgins' Eye	<i>Lampsilis higginsii</i>	E	Illinois	Bivalve
Pearlymussel, Orange-footed	<i>Plethobasus cooperianus</i>	E	Illinois	Bivalve
Sheepnose mussel	<i>Plethobasus cyphus</i>	E	Illinois	Bivalve
Spectaclecase mussel	<i>Cumberlandia monodonta</i>	E	Illinois	Bivalve
Amphipod, Illinois Cave	<i>Gammarus acherondytes</i>	E	Illinois	Crustacean
Clover, Leafy Prairie	<i>Dalea foliosa</i>	E	Illinois	Dicot

INVNAME	SCINAME	Status	STATE NAME	Taxon
Aster, Decurrent False	<i>Boltonia decurrens</i>	T	Illinois	Dicot
Clover, Prairie Bush	<i>Lespedeza leptostachya</i>	T	Illinois	Dicot
Daisy, Lakeside	<i>Hymenoxys herbacea</i>	T	Illinois	Dicot
Milkweed, Mead's	<i>Asclepias meadii</i>	T	Illinois	Dicot
Potato-bean, Price's	<i>Apios priceana</i>	T	Illinois	Dicot
Thistle, Pitcher's	<i>Cirsium pitcheri</i>	T	Illinois	Dicot
Sturgeon, Pallid	<i>Scaphirhynchus albus</i>	E	Illinois	Fish
Snail, Iowa Pleistocene	<i>Discus macclintocki</i>	E	Illinois	Gastropod
Butterfly, Karner Blue	<i>Lycaeides melissa samuelis</i>	E	Illinois	Insect
Dragonfly, Hine's Emerald	<i>Somatochlora hineana</i>	E	Illinois	Insect
Bat, Gray	<i>Myotis grisescens</i>	E	Illinois	Mammal
Bat, Indiana	<i>Myotis sodalis</i>	E	Illinois	Mammal
Orchid, Eastern Prairie Fringed	<i>Platanthera leucophaea</i>	T	Illinois	Monocot
Pogonia, Small Whorled	<i>Isotria medeoloides</i>	T	Illinois	Monocot
Tern, Interior (population) Least	<i>Sterna antillarum</i>	E	Indiana	Bird
Fanshell	<i>Cyprogenia stegaria</i>	E	Indiana	Bivalve
Mucket, Pink (Pearlymussel)	<i>Lampsilis abrupta</i>	E	Indiana	Bivalve
Mussel, Clubshell	<i>Pleurobema clava</i>	E	Indiana	Bivalve
Mussel, Rough Pigtoe	<i>Pleurobema plenum</i>	E	Indiana	Bivalve
Mussel, snuffbox	<i>Epioblasma triquetra</i>	E	Indiana	Bivalve
Pearlymussel, Fat Pocketbook	<i>Potamilus capax</i>	E	Indiana	Bivalve
Pearlymussel, White Cat's Paw	<i>Epioblasma obliquata perobliqua</i>	E	Indiana	Bivalve
Rayed Bean	<i>Villosa fabalis</i>	E	Indiana	Bivalve
Riffleshell, Northern	<i>Epioblasma torulosa rangiana</i>	E	Indiana	Bivalve

INVNAME	SCINAME	Status	STATE NAME	Taxon
Sheepnose mussel	<i>Plethobasus cyphus</i>	E	Indiana	Bivalve
Clover, Running Buffalo	<i>Trifolium stoloniferum</i>	E	Indiana	Dicot
Goldenrod, Short's	<i>Solidago shortii</i>	E	Indiana	Dicot
Milkweed, Mead's	<i>Asclepias meadii</i>	T	Indiana	Dicot
Thistle, Pitcher's	<i>Cirsium pitcheri</i>	T	Indiana	Dicot
Butterfly, Karner Blue	<i>Lycaeides melissa samuelis</i>	E	Indiana	Insect
Butterfly, Mitchell's Satyr	<i>Neonympha mitchellii mitchellii</i>	E	Indiana	Insect
Bat, Gray	<i>Myotis grisescens</i>	E	Indiana	Mammal
Bat, Indiana	<i>Myotis sodalis</i>	E	Indiana	Mammal
Orchid, Eastern Prairie Fringed	<i>Platanthera leucophaea</i>	T	Indiana	Monocot
Snake, Northern Copperbelly Water	<i>Nerodia erythrogaster neglecta</i>	T	Indiana	Reptile
Tern, Interior (population) Least	<i>Sterna antillarum</i>	E	Iowa	Bird
Plover, Piping	<i>Charadrius melodus</i>	E/T	Iowa	Bird
Mussel, Dwarf Wedge	<i>Alasmidonta heterodon</i>	E	Iowa	Bivalve
Pearlymussel, Higgins' Eye	<i>Lampsilis higginsii</i>	E	Iowa	Bivalve
Sheepnose mussel	<i>Plethobasus cyphus</i>	E	Iowa	Bivalve
Spectaclecase mussel	<i>Cumberlandia monodonta</i>	E	Iowa	Bivalve
Clover, Prairie Bush	<i>Lespedeza leptostachya</i>	T	Iowa	Dicot
Milkweed, Mead's	<i>Asclepias meadii</i>	T	Iowa	Dicot
Monkshood, Northern Wild	<i>Aconitum noveboracense</i>	T	Iowa	Dicot
Shiner, Topeka	<i>Notropis topeka (=tristis)</i>	E	Iowa	Fish
Sturgeon, Pallid	<i>Scaphirhynchus albus</i>	E	Iowa	Fish
Snail, Iowa Pleistocene	<i>Discus macclintocki</i>	E	Iowa	Gastropod
Bat, Indiana	<i>Myotis sodalis</i>	E	Iowa	Mammal

INVNAME	SCINAME	Status	STATE NAME	Taxon
Orchid, Eastern Prairie Fringed	<i>Platanthera leucophaea</i>	T	Iowa	Monocot
Orchid, Western Prairie Fringed	<i>Platanthera praeclara</i>	T	Iowa	Monocot
Crane, Whooping	<i>Grus americana</i>	E	Kansas	Bird
Tern, Interior (population) Least	<i>Sterna antillarum</i>	E	Kansas	Bird
Plover, Piping	<i>Charadrius melodus</i>	E/T	Kansas	Bird
Spectaclecase mussel	<i>Cumberlandia monodonta</i>	E	Kansas	Bivalve
Milkweed, Mead's	<i>Asclepias meadii</i>	T	Kansas	Dicot
Shiner, Topeka	<i>Notropis topeka (=tristis)</i>	E	Kansas	Fish
Sturgeon, Pallid	<i>Scaphirhynchus albus</i>	E	Kansas	Fish
Madtom, Neosho	<i>Noturus placidus</i>	T	Kansas	Fish
Shiner, Arkansas River	<i>Notropis girardi</i>	T	Kansas	Fish
Beetle, American Burying	<i>Nicrophorus americanus</i>	E	Kansas	Insect
Bat, Gray	<i>Myotis grisescens</i>	E	Kansas	Mammal
Ferret, Black-footed	<i>Mustela nigripes</i>	E	Kansas	Mammal
Orchid, Western Prairie Fringed	<i>Platanthera praeclara</i>	T	Kansas	Monocot
Tern, Interior (population) Least	<i>Sterna antillarum</i>	E	Kentucky	Bird
Warbler (=Wood), Kirtland's	<i>Dendroica kirtlandii</i>	E	Kentucky	Bird
Warbler, Bachman's	<i>Vermivora bachmanii</i>	E	Kentucky	Bird
Woodpecker, Ivory-billed	<i>Campephilus principalis</i>	E	Kentucky	Bird
Woodpecker, Red-cockaded	<i>Picoides borealis</i>	E	Kentucky	Bird
Plover, Piping	<i>Charadrius melodus</i>	E/T	Kentucky	Bird
Fanshell	<i>Cyprogenia stegaria</i>	E	Kentucky	Bivalve
Mucket, Pink (Pearlymussel)	<i>Lampsilis abrupta</i>	E	Kentucky	Bivalve
Mussel, Clubshell	<i>Pleurobema clava</i>	E	Kentucky	Bivalve

INVNAME	SCINAME	Status	STATE NAME	Taxon
Mussel, Cumberland Combshell	<i>Epioblasma brevidens</i>	E	Kentucky	Bivalve
Mussel, Cumberland Elktoe	<i>Alasmidonta atropurpurea</i>	E	Kentucky	Bivalve
Mussel, Oyster	<i>Epioblasma capsaeformis</i>	E	Kentucky	Bivalve
Mussel, Ring Pink (=Golf Stick Pearly)	<i>Obovaria retusa</i>	E	Kentucky	Bivalve
Mussel, Rough Pigtoe	<i>Pleurobema plenum</i>	E	Kentucky	Bivalve
Mussel, snuffbox	<i>Epioblasma triquetra</i>	E	Kentucky	Bivalve
Mussel, Winged Mapleleaf	<i>Quadrula fragosa</i>	E	Kentucky	Bivalve
Pearlymussel, Appalachian Monkeyface	<i>Quadrula sparsa</i>	E	Kentucky	Bivalve
Pearlymussel, Cracking	<i>Hemistena lata</i>	E	Kentucky	Bivalve
Pearlymussel, Cumberland Bean	<i>Villosa trabalis</i>	E	Kentucky	Bivalve
Pearlymussel, Dromedary	<i>Dromus dromas</i>	E	Kentucky	Bivalve
Pearlymussel, Fat Pocketbook	<i>Potamilus capax</i>	E	Kentucky	Bivalve
Pearlymussel, Little-wing	<i>Pegias fabula</i>	E	Kentucky	Bivalve
Pearlymussel, Orange-footed	<i>Plethobasus cooperianus</i>	E	Kentucky	Bivalve
Pearlymussel, Purple Cat's Paw	<i>Epioblasma obliquata obliquata</i>	E	Kentucky	Bivalve
Pearlymussel, Tubercled-blossom	<i>Epioblasma torulosa torulosa</i>	E	Kentucky	Bivalve
Pearlymussel, White Wartyback	<i>Plethobasus cicatricosus</i>	E	Kentucky	Bivalve
Pearlymussel, Yellow-blossom	<i>Epioblasma florentina florentina</i>	E	Kentucky	Bivalve
Riffleshell, Northern	<i>Epioblasma torulosa rangiana</i>	E	Kentucky	Bivalve

INVNAME	SCINAME	Status	STATE NAME	Taxon
Riffleshell, Tan	<i>Epioblasma florentina walkeri</i> (=E. walkeri)	E	Kentucky	Bivalve
Sheepnose mussel	<i>Plethobasus cyphus</i>	E	Kentucky	Bivalve
Shrimp, Kentucky Cave	<i>Palaemonias ganteri</i>	E	Kentucky	Crustacean
Chaffseed, American	<i>Schwalbea americana</i>	E	Kentucky	Dicot
Clover, Running Buffalo	<i>Trifolium stoloniferum</i>	E	Kentucky	Dicot
Goldenrod, Short's	<i>Solidago shortii</i>	E	Kentucky	Dicot
Rock-cress, Small	<i>Arabis perstellata</i> E. L. Braun var. <i>perstellata</i> Fernald	E	Kentucky	Dicot
Sandwort, Cumberland	<i>Arenaria cumberlandensis</i>	E	Kentucky	Dicot
Goldenrod, White-haired	<i>Solidago albopilosa</i>	T	Kentucky	Dicot
Potato-bean, Price's	<i>Apios priceana</i>	T	Kentucky	Dicot
Rosemary, Cumberland	<i>Conradina verticillata</i>	T	Kentucky	Dicot
Spiraea, Virginia	<i>Spiraea virginiana</i>	T	Kentucky	Dicot
Cumberland darter	<i>Etheostoma susanae</i>	E	Kentucky	Fish
Darter, Relict	<i>Etheostoma chienense</i>	E	Kentucky	Fish
Shiner, Palezone	<i>Notropis albizonatus</i>	E	Kentucky	Fish
Sturgeon, Pallid	<i>Scaphirhynchus albus</i>	E	Kentucky	Fish
Dace, Blackside	<i>Phoxinus cumberlandensis</i>	T	Kentucky	Fish
Beetle, American Burying	<i>Nicrophorus americanus</i>	E	Kentucky	Insect
Bat, Gray	<i>Myotis grisescens</i>	E	Kentucky	Mammal
Bat, Indiana	<i>Myotis sodalis</i>	E	Kentucky	Mammal
Bat, Virginia Big-eared	<i>Corynorhinus</i> (=Plecotus) <i>townsendii virginianus</i>	E	Kentucky	Mammal
Wolf, Red	<i>Canis rufus</i>	E	Kentucky	Mammal

INVNAME	SCINAME	Status	STATE NAME	Taxon
Tern, Interior (population) Least	<i>Sterna antillarum</i>	E	Louisiana	Bird
Woodpecker, Red-cockaded	<i>Picoides borealis</i>	E	Louisiana	Bird
Plover, Piping	<i>Charadrius melodus</i>	E/T	Louisiana	Bird
Mucket, Pink (Pearl mussel)	<i>Lampsilis abrupta</i>	E	Louisiana	Bivalve
Mussel, Heelsplitter Inflated	<i>Potamilus inflatus</i>	T	Louisiana	Bivalve
Pearlshell, Louisiana	<i>Margaritifera hembeli</i>	T	Louisiana	Bivalve
Chaffseed, American	<i>Schwalbea americana</i>	E	Louisiana	Dicot
Fruit, Earth (=geocarpon)	<i>Geocarpon minimum</i>	T	Louisiana	Dicot
Quillwort, Louisiana	<i>Isoetes louisianensis</i>	E	Louisiana	Ferns
Sturgeon, Pallid	<i>Scaphirhynchus albus</i>	E	Louisiana	Fish
Sturgeon, Gulf	<i>Acipenser oxyrinchus desotoi</i>	T	Louisiana	Fish
Manatee, West Indian	<i>Trichechus manatus</i>	E	Louisiana	Mammal
Whale, Blue	<i>Balaenoptera musculus</i>	E	Louisiana	Mammal
Bear, Louisiana Black	<i>Ursus americanus luteolus</i>	T	Louisiana	Mammal
Sea turtle, hawksbill	<i>Eretmochelys imbricata</i>	E	Louisiana	Reptile
Sea turtle, Kemp's ridley	<i>Lepidochelys kempii</i>	E	Louisiana	Reptile
Sea turtle, leatherback	<i>Dermochelys coriacea</i>	E	Louisiana	Reptile
Sea turtle, green	<i>Chelonia mydas</i>	E/T	Louisiana	Reptile
Sea turtle, loggerhead	<i>Caretta caretta</i>	E/T	Louisiana	Reptile
Tortoise, Gopher	<i>Gopherus polyphemus</i>	T	Louisiana	Reptile
Turtle, Ringed Map	<i>Graptemys oculifera</i>	T	Louisiana	Reptile
Plover, Piping	<i>Charadrius melodus</i>	E/T	Maine	Bird

INVNAME	SCINAME	Status	STATE NAME	Taxon
Tern, Roseate	<i>Sterna dougallii dougallii</i>	E/T	Maine	Bird
Lousewort, Furbish	<i>Pedicularis furbishiae</i>	E	Maine	Dicot
Salmon, Atlantic	<i>Salmo salar</i>	E	Maine	Fish
Sturgeon, Shortnose	<i>Acipenser brevirostrum</i>	E	Maine	Fish
Whale, Blue	<i>Balaenoptera musculus</i>	E	Maine	Mammal
Lynx, Canada	<i>Lynx canadensis</i>	T	Maine	Mammal
Orchid, Eastern Prairie Fringed	<i>Platanthera leucophaea</i>	T	Maine	Monocot
Pogonia, Small Whorled	<i>Isotria medeoloides</i>	T	Maine	Monocot
Sea turtle, hawksbill	<i>Eretmochelys imbricata</i>	E	Maine	Reptile
Sea turtle, leatherback	<i>Dermochelys coriacea</i>	E	Maine	Reptile
Sea turtle, green	<i>Chelonia mydas</i>	E/T	Maine	Reptile
Sea turtle, loggerhead	<i>Caretta caretta</i>	E/T	Maine	Reptile
Plover, Piping	<i>Charadrius melodus</i>	E/T	Maryland	Bird
Mussel, Dwarf Wedge	<i>Alasmidonta heterodon</i>	E	Maryland	Bivalve
Dropwort, Canby's	<i>Oxypolis canbyi</i>	E	Maryland	Dicot
Gerardia, Sandplain	<i>Agalinis acuta</i>	E	Maryland	Dicot
Harperella	<i>Ptilimnium nodosum</i>	E	Maryland	Dicot
Amaranth, Seabeach	<i>Amaranthus pumilus</i>	T	Maryland	Dicot
Joint-vetch, Sensitive	<i>Aeschynomene virginica</i>	T	Maryland	Dicot
Darter, Maryland	<i>Etheostoma sellare</i>	E	Maryland	Fish
Beetle, Northeastern Beach Tiger	<i>Cicindela dorsalis dorsalis</i>	T	Maryland	Insect
Beetle, Puritan Tiger	<i>Cicindela puritana</i>	T	Maryland	Insect
Bat, Indiana	<i>Myotis sodalis</i>	E	Maryland	Mammal
Squirrel, Delmarva Peninsula Fox	<i>Sciurus niger cinereus</i>	E	Maryland	Mammal

INVNAME	SCINAME	Status	STATE NAME	Taxon
Whale, Blue	<i>Balaenoptera musculus</i>	E	Maryland	Mammal
Bulrush, Northeastern (=Barbed Bristle)	<i>Scirpus ancistrochaetus</i>	E	Maryland	Monocot
Pink, Swamp	<i>Helonias bullata</i>	T	Maryland	Monocot
Sea turtle, hawksbill	<i>Eretmochelys imbricata</i>	E	Maryland	Reptile
Sea turtle, Kemp's ridley	<i>Lepidochelys kempii</i>	E	Maryland	Reptile
Sea turtle, leatherback	<i>Dermochelys coriacea</i>	E	Maryland	Reptile
Sea turtle, green	<i>Chelonia mydas</i>	E/T	Maryland	Reptile
Sea turtle, loggerhead	<i>Caretta caretta</i>	E/T	Maryland	Reptile
Turtle, Bog	<i>Clemmys muhlenbergii</i>	T	Maryland	Reptile
Plover, Piping	<i>Charadrius melodus</i>	E/T	Massachusetts	Bird
Tern, Roseate	<i>Sterna dougallii dougallii</i>	E/T	Massachusetts	Bird
Mussel, Dwarf Wedge	<i>Alasmidonta heterodon</i>	E	Massachusetts	Bivalve
Gerardia, Sandplain	<i>Agalinis acuta</i>	E	Massachusetts	Dicot
Sturgeon, Shortnose	<i>Acipenser brevirostrum</i>	E	Massachusetts	Fish
Beetle, American Burying	<i>Nicrophorus americanus</i>	E	Massachusetts	Insect
Beetle, Northeastern Beach Tiger	<i>Cicindela dorsalis dorsalis</i>	T	Massachusetts	Insect
Beetle, Puritan Tiger	<i>Cicindela puritana</i>	T	Massachusetts	Insect
Bat, Indiana	<i>Myotis sodalis</i>	E	Massachusetts	Mammal
Puma (=Cougar), Eastern	<i>Puma (=Felis) concolor (all subsp. except coryi)</i>	E	Massachusetts	Mammal
Whale, Blue	<i>Balaenoptera musculus</i>	E	Massachusetts	Mammal

INVNAME	SCINAME	Status	STATE NAME	Taxon
Bulrush, Northeastern (=Barbed Bristle)	<i>Scirpus ancistrochaetus</i>	E	Massachusetts	Monocot
Pogonia, Small Whorled	<i>Isotria medeoloides</i>	T	Massachusetts	Monocot
Sea turtle, hawksbill	<i>Eretmochelys imbricata</i>	E	Massachusetts	Reptile
Sea turtle, Kemp's ridley	<i>Lepidochelys kempii</i>	E	Massachusetts	Reptile
Sea turtle, leatherback	<i>Dermochelys coriacea</i>	E	Massachusetts	Reptile
Turtle, Plymouth Red-bellied	<i>Pseudemys rubriventris bangsi</i>	E	Massachusetts	Reptile
Sea turtle, green	<i>Chelonia mydas</i>	E/T	Massachusetts	Reptile
Sea turtle, loggerhead	<i>Caretta caretta</i>	E/T	Massachusetts	Reptile
Turtle, Bog	<i>Clemmys muhlenbergii</i>	T	Massachusetts	Reptile
Warbler (=Wood), Kirtland's	<i>Dendroica kirtlandii</i>	E	Michigan	Bird
Plover, Piping	<i>Charadrius melodus</i>	E/T	Michigan	Bird
Mussel, Clubshell	<i>Pleurobema clava</i>	E	Michigan	Bivalve
Mussel, snuffbox	<i>Epioblasma triquetra</i>	E	Michigan	Bivalve
Rayed Bean	<i>Villosa fabalis</i>	E	Michigan	Bivalve
Riffleshell, Northern	<i>Epioblasma torulosa rangiana</i>	E	Michigan	Bivalve
Monkey-flower, Michigan	<i>Mimulus glabratus var. michiganensis</i>	E	Michigan	Dicot
Daisy, Lakeside	<i>Hymenoxys herbacea</i>	T	Michigan	Dicot
Goldenrod, Houghton's	<i>Solidago houghtonii</i>	T	Michigan	Dicot
Thistle, Pitcher's	<i>Cirsium pitcheri</i>	T	Michigan	Dicot
Fern, American hart's-tongue	<i>Asplenium scolopendrium var. americanum</i>	T	Michigan	Ferns
Beetle, Hungerford's Crawling Water	<i>Brychius hungerfordi</i>	E	Michigan	Insect

INVNAME	SCINAME	Status	STATE NAME	Taxon
Butterfly, Karner Blue	<i>Lycaeides melissa samuelis</i>	E	Michigan	Insect
Butterfly, Mitchell's Satyr	<i>Neonympha mitchellii mitchellii</i>	E	Michigan	Insect
Dragonfly, Hine's Emerald	<i>Somatochlora hineana</i>	E	Michigan	Insect
Bat, Indiana	<i>Myotis sodalis</i>	E	Michigan	Mammal
Gray Wolf	<i>Canis lupus</i>	E	Michigan	Mammal
Lynx, Canada	<i>Lynx canadensis</i>	T	Michigan	Mammal
Iris, Dwarf Lake	<i>Iris lacustris</i>	T	Michigan	Monocot
Orchid, Eastern Prairie Fringed	<i>Platanthera leucophaea</i>	T	Michigan	Monocot
Pogonia, Small Whorled	<i>Isotria medeoloides</i>	T	Michigan	Monocot
Snake, Northern Copperbelly Water	<i>Nerodia erythrogaster neglecta</i>	T	Michigan	Reptile
Plover, Piping	<i>Charadrius melodus</i>	E/T	Minnesota	Bird
Mussel, snuffbox	<i>Epioblasma triquetra</i>	E	Minnesota	Bivalve
Mussel, Winged Mapleleaf	<i>Quadrula fragosa</i>	E	Minnesota	Bivalve
Pearlymussel, Higgins' Eye	<i>Lampsilis higginsii</i>	E	Minnesota	Bivalve
Sheepnose mussel	<i>Plethobasus cyphus</i>	E	Minnesota	Bivalve
Spectaclecase mussel	<i>Cumberlandia monodonta</i>	E	Minnesota	Bivalve
Clover, Prairie Bush	<i>Lespedeza leptostachya</i>	T	Minnesota	Dicot
Roseroot, Leedy's	<i>Sedum integrifolium ssp. leedyi</i>	T	Minnesota	Dicot
Shiner, Topeka	<i>Notropis topeka (=tristis)</i>	E	Minnesota	Fish
Butterfly, Karner Blue	<i>Lycaeides melissa samuelis</i>	E	Minnesota	Insect
Lynx, Canada	<i>Lynx canadensis</i>	T	Minnesota	Mammal
Lily, Minnesota Trout	<i>Erythronium propullans</i>	E	Minnesota	Monocot

INVNAME	SCINAME	Status	STATE NAME	Taxon
Orchid, Western Prairie Fringed	<i>Platanthera praeclara</i>	T	Minnesota	Monocot
Frog, Dusky Gopher (Mississippi DPS)	<i>Rana capito sevosa</i>	E	Mississippi	Amphibian
Crane, Mississippi Sandhill	<i>Grus canadensis pulla</i>	E	Mississippi	Bird
Tern, Interior (population) Least	<i>Sterna antillarum</i>	E	Mississippi	Bird
Woodpecker, Red-cockaded	<i>Picoides borealis</i>	E	Mississippi	Bird
Plover, Piping	<i>Charadrius melodus</i>	E/T	Mississippi	Bird
Combshell, Southern (=Penitent mussel)	<i>Epioblasma penita</i>	E	Mississippi	Bivalve
Mussel, Black (=Curtus' Mussel) Clubshell	<i>Pleurobema curtum</i>	E	Mississippi	Bivalve
Mussel, Cumberland Combshell	<i>Epioblasma brevidens</i>	E	Mississippi	Bivalve
Mussel, Heavy Pigtoe (=Judge Tait's Mussel)	<i>Pleurobema taitianum</i>	E	Mississippi	Bivalve
Mussel, Ovate Clubshell	<i>Pleurobema perovatum</i>	E	Mississippi	Bivalve
Mussel, snuffbox	<i>Epioblasma triquetra</i>	E	Mississippi	Bivalve
Mussel, Southern Clubshell	<i>Pleurobema decisum</i>	E	Mississippi	Bivalve
Pearlymussel, Fat Pocketbook	<i>Potamilus capax</i>	E	Mississippi	Bivalve
Mucket, Orange-nacre	<i>Lampsilis perovalis</i>	T	Mississippi	Bivalve
Mussel, Alabama Moccasinshell	<i>Medionidus acutissimus</i>	T	Mississippi	Bivalve
Mussel, Heelsplitter Inflated	<i>Potamilus inflatus</i>	T	Mississippi	Bivalve
Pondberry	<i>Lindera melissifolia</i>	E	Mississippi	Dicot

INVNAME	SCINAME	Status	STATE NAME	Taxon
Potato-bean, Price's	<i>Apios priceana</i>	T	Mississippi	Dicot
Quillwort, Louisiana	<i>Isoetes louisianensis</i>	E	Mississippi	Ferns
Sturgeon, Pallid	<i>Scaphirhynchus albus</i>	E	Mississippi	Fish
Darter, Bayou	<i>Etheostoma rubrum</i>	T	Mississippi	Fish
Sturgeon, Gulf	<i>Acipenser oxyrinchus desotoi</i>	T	Mississippi	Fish
Bat, Gray	<i>Myotis grisescens</i>	E	Mississippi	Mammal
Bat, Indiana	<i>Myotis sodalis</i>	E	Mississippi	Mammal
Manatee, West Indian	<i>Trichechus manatus</i>	E	Mississippi	Mammal
Whale, Blue	<i>Balaenoptera musculus</i>	E	Mississippi	Mammal
Bear, Louisiana Black	<i>Ursus americanus luteolus</i>	T	Mississippi	Mammal
Sea turtle, hawksbill	<i>Eretmochelys imbricata</i>	E	Mississippi	Reptile
Sea turtle, Kemp's ridley	<i>Lepidochelys kempii</i>	E	Mississippi	Reptile
Sea turtle, leatherback	<i>Dermochelys coriacea</i>	E	Mississippi	Reptile
Turtle, Alabama Red-bellied	<i>Pseudemys alabamensis</i>	E	Mississippi	Reptile
Sea turtle, green	<i>Chelonia mydas</i>	E/T	Mississippi	Reptile
Sea turtle, loggerhead	<i>Caretta caretta</i>	E/T	Mississippi	Reptile
Snake, Eastern Indigo	<i>Drymarchon corais couperi</i>	T	Mississippi	Reptile
Tortoise, Gopher	<i>Gopherus polyphemus</i>	T	Mississippi	Reptile
Turtle, Ringed Map	<i>Graptemys oculifera</i>	T	Mississippi	Reptile
Turtle, Yellow-blotched Map	<i>Graptemys flavimaculata</i>	T	Mississippi	Reptile

INVNAME	SCINAME	Status	STATE NAME	Taxon
Ozark Hellbender	<i>Cryptobranchus alleganiensis bishopi</i>	E	Missouri	Amphibian
Tern, Interior (population) Least	<i>Sterna antillarum</i>	E	Missouri	Bird
Mucket, Pink (Pearlymussel)	<i>Lampsilis abrupta</i>	E	Missouri	Bivalve
Mussel, Scaleshell	<i>Leptodea leptodon</i>	E	Missouri	Bivalve
Mussel, snuffbox	<i>Epioblasma triquetra</i>	E	Missouri	Bivalve
Mussel, Winged Mapleleaf	<i>Quadrula fragosa</i>	E	Missouri	Bivalve
Pearlymussel, Curtis'	<i>Epioblasma florentina curtisii</i>	E	Missouri	Bivalve
Pearlymussel, Fat Pocketbook	<i>Potamilus capax</i>	E	Missouri	Bivalve
Pearlymussel, Higgins' Eye	<i>Lampsilis higginsii</i>	E	Missouri	Bivalve
Sheepnose mussel	<i>Plethobasus cyphus</i>	E	Missouri	Bivalve
Spectaclecase mussel	<i>Cumberlandia monodonta</i>	E	Missouri	Bivalve
Clover, Running Buffalo	<i>Trifolium stoloniferum</i>	E	Missouri	Dicot
Pondberry	<i>Lindera melissifolia</i>	E	Missouri	Dicot
Aster, Decurrent False	<i>Boltonia decurrens</i>	T	Missouri	Dicot
Bladderpod, Missouri	<i>Lesquerella filiformis</i>	T	Missouri	Dicot
Fruit, Earth (=geocarpon)	<i>Geocarpon minimum</i>	T	Missouri	Dicot
Milkweed, Mead's	<i>Asclepias meadii</i>	T	Missouri	Dicot
Sneezeweed, Virginia	<i>Helenium virginicum</i>	T	Missouri	Dicot
Shiner, Topeka	<i>Notropis topeka (=tristis)</i>	E	Missouri	Fish
Sturgeon, Pallid	<i>Scaphirhynchus albus</i>	E	Missouri	Fish
Cavefish, Ozark	<i>Amblyopsis rosae</i>	T	Missouri	Fish
Darter, Niangua	<i>Etheostoma nianguae</i>	T	Missouri	Fish
Madtom, Neosho	<i>Noturus placidus</i>	T	Missouri	Fish

INVNAME	SCINAME	Status	STATE NAME	Taxon
Cavesnail, Tumbling Creek	<i>Antrobia culveri</i>	E	Missouri	Gastropod
Dragonfly, Hine's Emerald	<i>Somatochlora hineana</i>	E	Missouri	Insect
Bat, Gray	<i>Myotis grisescens</i>	E	Missouri	Mammal
Bat, Indiana	<i>Myotis sodalis</i>	E	Missouri	Mammal
Orchid, Western Prairie Fringed	<i>Platanthera praeclara</i>	T	Missouri	Monocot
Crane, Whooping	<i>Grus americana</i>	E	Montana	Bird
Tern, Interior (population) Least	<i>Sterna antillarum</i>	E	Montana	Bird
Plover, Piping	<i>Charadrius melodus</i>	E/T	Montana	Bird
Catchfly, Spalding's	<i>Silene spaldingii</i>	T	Montana	Dicot
Howellia, Water	<i>Howellia aquatilis</i>	T	Montana	Dicot
Sturgeon, Pallid	<i>Scaphirhynchus albus</i>	E	Montana	Fish
Sturgeon, White	<i>Acipenser transmontanus</i>	E	Montana	Fish
Trout, Bull	<i>Salvelinus confluentus</i>	T	Montana	Fish
Ferret, Black-footed	<i>Mustela nigripes</i>	E	Montana	Mammal
Bear, Grizzly	<i>Ursus arctos horribilis</i>	T	Montana	Mammal
Lynx, Canada	<i>Lynx canadensis</i>	T	Montana	Mammal
Ladies'-tresses, Ute	<i>Spiranthes diluvialis</i>	T	Montana	Monocot
Crane, Whooping	<i>Grus americana</i>	E	Nebraska	Bird
Curlew, Eskimo	<i>Numenius borealis</i>	E	Nebraska	Bird
Tern, Interior (population) Least	<i>Sterna antillarum</i>	E	Nebraska	Bird
Plover, Piping	<i>Charadrius melodus</i>	E/T	Nebraska	Bird
Penstemon, Blowout	<i>Penstemon haydenii</i>	E	Nebraska	Dicot
Butterfly Plant, Colorado	<i>Gaura neomexicana</i> var. <i>coloradensis</i>	T	Nebraska	Dicot
Shiner, Topeka	<i>Notropis topeka</i> (=tristis)	E	Nebraska	Fish
Sturgeon, Pallid	<i>Scaphirhynchus albus</i>	E	Nebraska	Fish

INVNAME	SCINAME	Status	STATE NAME	Taxon
Beetle, American Burying	<i>Nicrophorus americanus</i>	E	Nebraska	Insect
Beetle, Salt Creek Tiger	<i>Cicindela nevadica lincolniana</i>	E	Nebraska	Insect
Ferret, Black-footed	<i>Mustela nigripes</i>	E	Nebraska	Mammal
Gray Wolf	<i>Canis lupus</i>	E	Nebraska	Mammal
Ladies'-tresses, Ute	<i>Spiranthes diluvialis</i>	T	Nebraska	Monocot
Orchid, Western Prairie Fringed	<i>Platanthera praeclara</i>	T	Nebraska	Monocot
Flycatcher, Southwestern Willow	<i>Empidonax traillii extimus</i>	E	Nevada	Bird
Rail, Yuma Clapper	<i>Rallus longirostris yumanensis</i>	E	Nevada	Bird
Buckwheat, Steamboat	<i>Eriogonum ovalifolium var. williamstae</i>	E	Nevada	Dicot
Niterwort, Amargosa	<i>Nitrophila mohavensis</i>	E	Nevada	Dicot
Poolfish, Pahrump (= Pahrump Killifish)	<i>Empetrichthys latos</i>	E	Nevada	Dicot
Blazing Star, Ash Meadows	<i>Mentzelia leucophylla</i>	T	Nevada	Dicot
Centaury, Spring-loving	<i>Centaurium namophilum</i>	T	Nevada	Dicot
Gumplant, Ash Meadows	<i>Grindelia fraxino-pratensis</i>	T	Nevada	Dicot
Ivesia, Ash Meadows	<i>Ivesia kingii var. eremica</i>	T	Nevada	Dicot
Milk-vetch, Ash Meadows	<i>Astragalus phoenix</i>	T	Nevada	Dicot
Sunray, Ash Meadows	<i>Enceliopsis nudicaulis var. corrugata</i>	T	Nevada	Dicot
Chub, Humpback	<i>Gila cypha</i>	E	Nevada	Fish
Chub, Pahrangat Roundtail	<i>Gila robusta jordani</i>	E	Nevada	Fish
Chub, Virgin River	<i>Gila seminuda (=robusta)</i>	E	Nevada	Fish

INVNAME	SCINAME	Status	STATE NAME	Taxon
Cui-ui	<i>Chasmistes cujus</i>	E	Nevada	Fish
Dace, Ash Meadows Speckled	<i>Rhinichthys osculus nevadensis</i>	E	Nevada	Fish
Dace, Clover Valley Speckled	<i>Rhinichthys osculus oligoporus</i>	E	Nevada	Fish
Dace, Independence Valley Speckled	<i>Rhinichthys osculus lethoporus</i>	E	Nevada	Fish
Dace, Moapa	<i>Moapa coriacea</i>	E	Nevada	Fish
Pupfish, Ash Meadows Amargosa	<i>Cyprinodon nevadensis mionectes</i>	E	Nevada	Fish
Pupfish, Devils Hole	<i>Cyprinodon diabolis</i>	E	Nevada	Fish
Pupfish, Warm Springs	<i>Cyprinodon nevadensis pectoralis</i>	E	Nevada	Fish
Spinedace, White River	<i>Lepidomeda albivallis</i>	E	Nevada	Fish
Springfish, Hiko White River	<i>Crenichthys baileyi grandis</i>	E	Nevada	Fish
Springfish, White River	<i>Crenichthys baileyi baileyi</i>	E	Nevada	Fish
Sucker, Razorback	<i>Xyrauchen texanus</i>	E	Nevada	Fish
Woundfin	<i>Plagopterus argentissimus</i>	E	Nevada	Fish
Dace, Desert	<i>Eremichthys acros</i>	T	Nevada	Fish
Spinedace, Big Spring	<i>Lepidomeda mollispinis pratensis</i>	T	Nevada	Fish
Springfish, Railroad Valley	<i>Crenichthys nevadae</i>	T	Nevada	Fish
Sucker, Warner	<i>Catostomus warnerensis</i>	T	Nevada	Fish
Trout, Bull	<i>Salvelinus confluentus</i>	T	Nevada	Fish
Trout, Lahontan Cutthroat	<i>Oncorhynchus clarki henshawi</i>	T	Nevada	Fish
Skipper, Carson Wandering	<i>Pseudocopaedodes eunus obscurus</i>	E	Nevada	Insect
Naucorid, Ash Meadows	<i>Ambrysus amargosus</i>	T	Nevada	Insect

INVNAME	SCINAME	Status	STATE NAME	Taxon
Gray Wolf	<i>Canis lupus</i>	E	Nevada	Mammal
Ladies'-tresses, Ute	<i>Spiranthes diluvialis</i>	T	Nevada	Monocot
Tortoise, Desert	<i>Gopherus agassizii</i>	T	Nevada	Reptile
Plover, Piping	<i>Charadrius melodus</i>	E/T	New Hampshire	Bird
Mussel, Dwarf Wedge	<i>Alasmidonta heterodon</i>	E	New Hampshire	Bivalve
Milk-vetch, Jesup's	<i>Astragalus robbinsii</i> var. <i>jesupi</i>	E	New Hampshire	Dicot
Butterfly, Karner Blue	<i>Lycaeides melissa samuelis</i>	E	New Hampshire	Insect
Whale, Blue	<i>Balaenoptera musculus</i>	E	New Hampshire	Mammal
Lynx, Canada	<i>Lynx canadensis</i>	T	New Hampshire	Mammal
Bulrush, Northeastern (=Barbed Bristle)	<i>Scirpus ancistrochaetus</i>	E	New Hampshire	Monocot
Pogonia, Small Whorled	<i>Isotria medeoloides</i>	T	New Hampshire	Monocot
Sea turtle, hawksbill	<i>Eretmochelys imbricata</i>	E	New Hampshire	Reptile
Sea turtle, leatherback	<i>Dermochelys coriacea</i>	E	New Hampshire	Reptile
Sea turtle, green	<i>Chelonia mydas</i>	E/T	New Hampshire	Reptile
Sea turtle, loggerhead	<i>Caretta caretta</i>	E/T	New Hampshire	Reptile
Plover, Piping	<i>Charadrius melodus</i>	E/T	New Jersey	Bird

INVNAME	SCINAME	Status	STATE NAME	Taxon
Tern, Roseate	<i>Sterna dougallii dougallii</i>	E/T	New Jersey	Bird
Mussel, Dwarf Wedge	<i>Alasmidonta heterodon</i>	E	New Jersey	Bivalve
Chaffseed, American	<i>Schwalbea americana</i>	E	New Jersey	Dicot
Amaranth, Seabeach	<i>Amaranthus pumilus</i>	T	New Jersey	Dicot
Joint-vetch, Sensitive	<i>Aeschynomene virginica</i>	T	New Jersey	Dicot
Beetle, Northeastern Beach Tiger	<i>Cicindela dorsalis dorsalis</i>	T	New Jersey	Insect
Bat, Indiana	<i>Myotis sodalis</i>	E	New Jersey	Mammal
Whale, Blue	<i>Balaenoptera musculus</i>	E	New Jersey	Mammal
Beaked-rush, Knieskern's	<i>Rhynchospora knieskernii</i>	T	New Jersey	Monocot
Pink, Swamp	<i>Helonias bullata</i>	T	New Jersey	Monocot
Pogonia, Small Whorled	<i>Isotria medeoloides</i>	T	New Jersey	Monocot
Sea turtle, hawksbill	<i>Eretmochelys imbricata</i>	E	New Jersey	Reptile
Sea turtle, Kemp's ridley	<i>Lepidochelys kempii</i>	E	New Jersey	Reptile
Sea turtle, leatherback	<i>Dermochelys coriacea</i>	E	New Jersey	Reptile
Sea turtle, green	<i>Chelonia mydas</i>	E/T	New Jersey	Reptile
Sea turtle, loggerhead	<i>Caretta caretta</i>	E/T	New Jersey	Reptile
Turtle, Bog	<i>Clemmys muhlenbergii</i>	T	New Jersey	Reptile
Frog, Chiricahua Leopard	<i>Rana chiricahuensis</i>	T	New Mexico	Amphibian
Falcon, Northern Aplomado	<i>Falco femoralis septentrionalis</i>	E	New Mexico	Bird

INVNAME	SCINAME	Status	STATE NAME	Taxon
Flycatcher, Southwestern Willow	<i>Empidonax traillii extimus</i>	E	New Mexico	Bird
Tern, Interior (population) Least	<i>Sterna antillarum</i>	E	New Mexico	Bird
Plover, Piping	<i>Charadrius melodus</i>	E/T	New Mexico	Bird
Owl, Mexican Spotted	<i>Strix occidentalis lucida</i>	T	New Mexico	Bird
Amphipod, Noel's	<i>Gammarus desperatus</i>	E	New Mexico	Crustacean
Isopod, Socorro	<i>Thermosphaeroma thermophilus</i>	E	New Mexico	Crustacean
Cactus, Knowlton	<i>Pediocactus knowltonii</i>	E	New Mexico	Dicot
Cactus, Kuenzler Hedgehog	<i>Echinocereus fendleri</i> var. <i>kuenzleri</i>	E	New Mexico	Dicot
Cactus, Sneed Pincushion	<i>Coryphantha sneedii</i> var. <i>sneedii</i>	E	New Mexico	Dicot
Ipomopsis, Holy Ghost	<i>Ipomopsis sancti-spiritus</i>	E	New Mexico	Dicot
Milk-vetch, Mancos	<i>Astragalus humillimus</i>	E	New Mexico	Dicot
Pennyroyal, Todsen's	<i>Hedeoma todsenii</i>	E	New Mexico	Dicot
Poppy, Sacramento Prickly	<i>Argemone pleiacantha</i> ssp. <i>pinnatisecta</i>	E	New Mexico	Dicot
Cactus, Lee Pincushion	<i>Coryphantha sneedii</i> var. <i>leei</i>	T	New Mexico	Dicot
Cactus, Mesa Verde	<i>Sclerocactus mesae-verdae</i>	T	New Mexico	Dicot
Fleabane, Zuni	<i>Erigeron rhizomatus</i>	T	New Mexico	Dicot
Sunflower, Pecos	<i>Helianthus paradoxus</i>	T	New Mexico	Dicot
Thistle, Sacramento Mountains	<i>Cirsium vinaceum</i>	T	New Mexico	Dicot
Wild-buckwheat, Gypsum	<i>Eriogonum gypsophilum</i>	T	New Mexico	Dicot

INVNAME	SCINAME	Status	STATE NAME	Taxon
Chub, Gila	<i>Gila intermedia</i>	E	New Mexico	Fish
Gambusia, Pecos	<i>Gambusia nobilis</i>	E	New Mexico	Fish
Minnow, Loach	<i>Tiaroga cobitis</i>	E	New Mexico	Fish
Minnow, Rio Grande Silvery	<i>Hybognathus amarus</i>	E	New Mexico	Fish
Spikedace	<i>Meda fulgida</i>	E	New Mexico	Fish
Squawfish, Colorado	<i>Ptychocheilus lucius</i>	E	New Mexico	Fish
Sucker, Razorback	<i>Xyrauchen texanus</i>	E	New Mexico	Fish
Topminnow, Gila (Yaqui)	<i>Poeciliopsis occidentalis</i>	E	New Mexico	Fish
Trout, Gila	<i>Oncorhynchus gilae</i>	E	New Mexico	Fish
Chub, Chihuahua	<i>Gila nigrescens</i>	T	New Mexico	Fish
Shiner, Arkansas River	<i>Notropis girardi</i>	T	New Mexico	Fish
Shiner, Beautiful	<i>Cyprinella formosa</i>	T	New Mexico	Fish
Shiner, Pecos Bluntnose	<i>Notropis simus pecosensis</i>	T	New Mexico	Fish
Snail, Pecos Assiminea	<i>Assiminea pecos</i>	E	New Mexico	Gastropod
Springsnail, Alamosa	<i>Tryonia alamosae</i>	E	New Mexico	Gastropod
Springsnail, Chupadera	<i>Pyrgulopsis chupaderae</i>	E	New Mexico	Gastropod
Springsnail, Koster's	<i>Juturnia kosteri</i>	E	New Mexico	Gastropod
Springsnail, Roswell	<i>Pyrgulopsis roswellensis</i>	E	New Mexico	Gastropod
Springsnail, Socorro	<i>Pyrgulopsis neomexicana</i>	E	New Mexico	Gastropod
Bat, Lesser (=Sanborn's) Long- nosed	<i>Leptonycteris curasoae yerbabuena</i>	E	New Mexico	Mammal

INVNAME	SCINAME	Status	STATE NAME	Taxon
Bat, Mexican Long-nosed	<i>Leptonycteris nivalis</i>	E	New Mexico	Mammal
Ferret, Black-footed	<i>Mustela nigripes</i>	E	New Mexico	Mammal
Gray Wolf	<i>Canis lupus</i>	E	New Mexico	Mammal
Jaguar	<i>Panthera onca</i>	E	New Mexico	Mammal
Rattlesnake, New Mexican Ridge-nosed	<i>Crotalus willardi obscurus</i>	T	New Mexico	Reptile
Plover, Piping	<i>Charadrius melodus</i>	E/T	New York	Bird
Tern, Roseate	<i>Sterna dougallii dougallii</i>	E/T	New York	Bird
Mussel, Clubshell	<i>Pleurobema clava</i>	E	New York	Bivalve
Mussel, Dwarf Wedge	<i>Alasmidonta heterodon</i>	E	New York	Bivalve
Rayed Bean	<i>Villosa fabalis</i>	E	New York	Bivalve
Gerardia, Sandplain	<i>Agalinis acuta</i>	E	New York	Dicot
Amaranth, Seabeach	<i>Amaranthus pumilus</i>	T	New York	Dicot
Goldenrod, Houghton's	<i>Solidago houghtonii</i>	T	New York	Dicot
Monkshood, Northern Wild	<i>Aconitum noveboracense</i>	T	New York	Dicot
Roseroot, Leedy's	<i>Sedum integrifolium ssp. leedyi</i>	T	New York	Dicot
Fern, American hart's-tongue	<i>Asplenium scolopendrium var. americanum</i>	T	New York	Ferns
Sturgeon, Shortnose	<i>Acipenser brevirostrum</i>	E	New York	Fish
Snail, Chittenango Ovale Amber	<i>Succinea chittenangoensis</i>	T	New York	Gastropod
Butterfly, Karner Blue	<i>Lycaeides melissa samuelis</i>	E	New York	Insect

INVNAME	SCINAME	Status	STATE NAME	Taxon
Bat, Indiana	<i>Myotis sodalis</i>	E	New York	Mammal
Whale, Blue	<i>Balaenoptera musculus</i>	E	New York	Mammal
Orchid, Eastern Prairie Fringed	<i>Platanthera leucophaea</i>	T	New York	Monocot
Pogonia, Small Whorled	<i>Isotria medeoloides</i>	T	New York	Monocot
Sea turtle, hawksbill	<i>Eretmochelys imbricata</i>	E	New York	Reptile
Sea turtle, Kemp's ridley	<i>Lepidochelys kempii</i>	E	New York	Reptile
Sea turtle, leatherback	<i>Dermochelys coriacea</i>	E	New York	Reptile
Sea turtle, green	<i>Chelonia mydas</i>	E/T	New York	Reptile
Sea turtle, loggerhead	<i>Caretta caretta</i>	E/T	New York	Reptile
Turtle, Bog	<i>Clemmys muhlenbergii</i>	T	New York	Reptile
Spider, Spruce-fir Moss	<i>Microhexura montivaga</i>	E	North Carolina	Arachnid
Stork, Wood	<i>Mycteria americana</i>	E	North Carolina	Bird
Woodpecker, Red-cockaded	<i>Picoides borealis</i>	E	North Carolina	Bird
Plover, Piping	<i>Charadrius melodus</i>	E/T	North Carolina	Bird
Tern, Roseate	<i>Sterna dougallii dougallii</i>	E/T	North Carolina	Bird
Elktoe, Appalachian	<i>Alasmidonta raveneliana</i>	E	North Carolina	Bivalve
Mussel, Dwarf Wedge	<i>Alasmidonta heterodon</i>	E	North Carolina	Bivalve
Mussel, Heelsplitter Carolina	<i>Lasmigona decorata</i>	E	North Carolina	Bivalve
Pearlymussel, Cumberland Bean	<i>Villosa trabalis</i>	E	North Carolina	Bivalve
Pearlymussel, Little-wing	<i>Pegias fabula</i>	E	North Carolina	Bivalve

INVNAME	SCINAME	Status	STATE NAME	Taxon
Riffleshell, Tan	<i>Epioblasma florentina walkeri</i> (=E. walkeri)	E	North Carolina	Bivalve
Spiny mussel, James River	<i>Pleurobema collina</i>	E	North Carolina	Bivalve
Spiny mussel, Tar River	<i>Elliptio steinstansana</i>	E	North Carolina	Bivalve
Avens, Spreading	<i>Geum radiatum</i>	E	North Carolina	Dicot
Bittercress, Small-anthered	<i>Cardamine micranthera</i>	E	North Carolina	Dicot
Bluet, Roan Mountain	<i>Hedyotis purpurea</i> var. <i>montana</i>	E	North Carolina	Dicot
Chaffseed, American	<i>Schwalbea americana</i>	E	North Carolina	Dicot
Coneflower, Smooth	<i>Echinacea laevigata</i>	E	North Carolina	Dicot
Dropwort, Canby's	<i>Oxypolis canbyi</i>	E	North Carolina	Dicot
Harperella	<i>Ptilimnium nodosum</i>	E	North Carolina	Dicot
Loosestrife, Rough-leaved	<i>Lysimachia asperulaefolia</i>	E	North Carolina	Dicot
Meadowrue, Cooley's	<i>Thalictrum cooleyi</i>	E	North Carolina	Dicot
Pitcher-plant, Green	<i>Sarracenia oreophila</i>	E	North Carolina	Dicot
Pitcher-plant, Mountain Sweet	<i>Sarracenia rubra</i> ssp. <i>jonesii</i>	E	North Carolina	Dicot
Pondberry	<i>Lindera melissifolia</i>	E	North Carolina	Dicot
Sumac, Michaux's	<i>Rhus michauxii</i>	E	North Carolina	Dicot
Sunflower, Schweinitz's	<i>Helianthus schweinitzii</i>	E	North Carolina	Dicot
Amaranth, Seabeach	<i>Amaranthus pumilus</i>	T	North Carolina	Dicot
Blazing Star, Heller's	<i>Liatrix helleri</i>	T	North Carolina	Dicot
Goldenrod, Blue Ridge	<i>Solidago spithamea</i>	T	North Carolina	Dicot

INVNAME	SCINAME	Status	STATE NAME	Taxon
Heartleaf, Dwarf-flowered	<i>Hexastylis naniflora</i>	T	North Carolina	Dicot
Heather, Mountain Golden	<i>Hudsonia montana</i>	T	North Carolina	Dicot
Joint-vetch, Sensitive	<i>Aeschynomene virginica</i>	T	North Carolina	Dicot
Spiraea, Virginia	<i>Spiraea virginiana</i>	T	North Carolina	Dicot
Logperch, Roanoke	<i>Percina rex</i>	E	North Carolina	Fish
Shiner, Cape Fear	<i>Notropis mekistocholas</i>	E	North Carolina	Fish
Sturgeon, Shortnose	<i>Acipenser brevirostrum</i>	E	North Carolina	Fish
Chub, Spotfin	<i>Erimonax monachus</i>	T	North Carolina	Fish
Silverside, Waccamaw	<i>Menidia extensa</i>	T	North Carolina	Fish
Snail, Noonday	<i>Mesodon clarki nantahala</i>	T	North Carolina	Gastropod
Butterfly, Saint Francis' Satyr	<i>Neonympha mitchellii francisci</i>	E	North Carolina	Insect
Lichen, Rock Gnome	<i>Gymnoderma lineare</i>	E	North Carolina	Lichen
Bat, Gray	<i>Myotis grisescens</i>	E	North Carolina	Mammal
Bat, Indiana	<i>Myotis sodalis</i>	E	North Carolina	Mammal
Bat, Virginia Big-eared	<i>Corynorhinus (=Plecotus) townsendii virginianus</i>	E	North Carolina	Mammal
Manatee, West Indian	<i>Trichechus manatus</i>	E	North Carolina	Mammal
Puma (=Cougar), Eastern	<i>Puma (=Felis) concolor (all subsp. except coryi)</i>	E	North Carolina	Mammal
Squirrel, Carolina Northern Flying	<i>Glaucomys sabrinus coloratus</i>	E	North Carolina	Mammal
Whale, Blue	<i>Balaenoptera musculus</i>	E	North Carolina	Mammal

INVNAME	SCINAME	Status	STATE NAME	Taxon
Wolf, Red	<i>Canis rufus</i>	E	North Carolina	Mammal
Arrowhead, Bunched	<i>Sagittaria fasciculata</i>	E	North Carolina	Monocot
Irisette, White	<i>Sisyrinchium dichotomum</i>	E	North Carolina	Monocot
Sedge, Golden	<i>Carex lutea</i>	E	North Carolina	Monocot
Pink, Swamp	<i>Helonias bullata</i>	T	North Carolina	Monocot
Pogonia, Small Whorled	<i>Isotria medeoloides</i>	T	North Carolina	Monocot
Sea turtle, hawksbill	<i>Eretmochelys imbricata</i>	E	North Carolina	Reptile
Sea turtle, Kemp's ridley	<i>Lepidochelys kempii</i>	E	North Carolina	Reptile
Sea turtle, leatherback	<i>Dermochelys coriacea</i>	E	North Carolina	Reptile
Sea turtle, green	<i>Chelonia mydas</i>	E/T	North Carolina	Reptile
Sea turtle, loggerhead	<i>Caretta caretta</i>	E/T	North Carolina	Reptile
Alligator, American	<i>Alligator mississippiensis</i>	T	North Carolina	Reptile
Turtle, Bog	<i>Clemmys muhlenbergii</i>	T	North Carolina	Reptile
Crane, Whooping	<i>Grus americana</i>	E	North Dakota	Bird
Tern, Interior (population) Least	<i>Sterna antillarum</i>	E	North Dakota	Bird
Plover, Piping	<i>Charadrius melodus</i>	E/T	North Dakota	Bird
Sturgeon, Pallid	<i>Scaphirhynchus albus</i>	E	North Dakota	Fish
Ferret, Black-footed	<i>Mustela nigripes</i>	E	North Dakota	Mammal
Gray Wolf	<i>Canis lupus</i>	E	North Dakota	Mammal
Orchid, Western Prairie Fringed	<i>Platanthera praeclara</i>	T	North Dakota	Monocot

INVNAME	SCINAME	Status	STATE NAME	Taxon
Crow, Mariana	<i>Corvus kubaryi</i>	E	Northern Mariana Islands	Bird
Megapode, Micronesian (La Perouse's)	<i>Megapodius laperouse</i>	E	Northern Mariana Islands	Bird
Moorhen, Mariana Common	<i>Gallinula chloropus guami</i>	E	Northern Mariana Islands	Bird
Warbler, nightingale reed (old world warbler)	<i>Acrocephalus luscini</i>	E	Northern Mariana Islands	Bird
White-eye, Rota Bridled	<i>Zosterops rotensis</i>	E	Northern Mariana Islands	Bird
Bat, Mariana Fruit (=Mariana Flying Fox)	<i>Pteropus mariannus mariannus</i>	T	Northern Mariana Islands	Mammal
Plover, Piping	<i>Charadrius melodus</i>	E/T	Ohio	Bird
Fanshell	<i>Cyprogenia stegaria</i>	E	Ohio	Bivalve
Mucket, Pink (Pearlymussel)	<i>Lampsilis abrupta</i>	E	Ohio	Bivalve
Mussel, Clubshell	<i>Pleurobema clava</i>	E	Ohio	Bivalve
Mussel, snuffbox	<i>Epioblasma triquetra</i>	E	Ohio	Bivalve
Pearlymussel, Purple Cat's Paw	<i>Epioblasma obliquata obliquata</i>	E	Ohio	Bivalve
Pearlymussel, White Cat's Paw	<i>Epioblasma obliquata perobliqua</i>	E	Ohio	Bivalve
Rayed Bean	<i>Villosa fabalis</i>	E	Ohio	Bivalve
Riffleshell, Northern	<i>Epioblasma torulosa rangiana</i>	E	Ohio	Bivalve
Sheepnose mussel	<i>Plethobasus cyphus</i>	E	Ohio	Bivalve
Clover, Running Buffalo	<i>Trifolium stoloniferum</i>	E	Ohio	Dicot
Daisy, Lakeside	<i>Hymenoxys herbacea</i>	T	Ohio	Dicot
Monkshood, Northern Wild	<i>Aconitum noveboracense</i>	T	Ohio	Dicot
Spiraea, Virginia	<i>Spiraea virginiana</i>	T	Ohio	Dicot
Madtom, Scioto	<i>Noturus trautmani</i>	E	Ohio	Fish

INVNAME	SCINAME	Status	STATE NAME	Taxon
Beetle, American Burying	<i>Nicrophorus americanus</i>	E	Ohio	Insect
Butterfly, Karner Blue	<i>Lycaeides melissa samuelis</i>	E	Ohio	Insect
Butterfly, Mitchell's Satyr	<i>Neonympha mitchellii mitchellii</i>	E	Ohio	Insect
Bat, Indiana	<i>Myotis sodalis</i>	E	Ohio	Mammal
Orchid, Eastern Prairie Fringed	<i>Platanthera leucophaea</i>	T	Ohio	Monocot
Pogonia, Small Whorled	<i>Isotria medeoloides</i>	T	Ohio	Monocot
Snake, Northern Copperbelly Water	<i>Nerodia erythrogaster neglecta</i>	T	Ohio	Reptile
Crane, Whooping	<i>Grus americana</i>	E	Oklahoma	Bird
Curlew, Eskimo	<i>Numenius borealis</i>	E	Oklahoma	Bird
Tern, Interior (population) Least	<i>Sterna antillarum</i>	E	Oklahoma	Bird
Vireo, Black-capped	<i>Vireo atricapilla</i>	E	Oklahoma	Bird
Woodpecker, Red-cockaded	<i>Picoides borealis</i>	E	Oklahoma	Bird
Plover, Piping	<i>Charadrius melodus</i>	E/T	Oklahoma	Bird
Mussel, Scaleshell	<i>Leptodea leptodon</i>	E	Oklahoma	Bivalve
Mussel, Winged Mapleleaf	<i>Quadrula fragosa</i>	E	Oklahoma	Bivalve
Rock-pocketbook, Ouachita (=Wheeler's pm)	<i>Arkansia wheeleri</i>	E	Oklahoma	Bivalve
Cavefish, Ozark	<i>Amblyopsis rosae</i>	T	Oklahoma	Fish
Darter, Leopard	<i>Percina pantherina</i>	T	Oklahoma	Fish
Madtom, Neosho	<i>Noturus placidus</i>	T	Oklahoma	Fish
Shiner, Arkansas River	<i>Notropis girardi</i>	T	Oklahoma	Fish

INVNAME	SCINAME	Status	STATE NAME	Taxon
Beetle, American Burying	<i>Nicrophorus americanus</i>	E	Oklahoma	Insect
Bat, Gray	<i>Myotis grisescens</i>	E	Oklahoma	Mammal
Bat, Indiana	<i>Myotis sodalis</i>	E	Oklahoma	Mammal
Bat, Ozark Big-eared	<i>Corynorhinus (=Plecotus) townsendii ingens</i>	E	Oklahoma	Mammal
Orchid, Eastern Prairie Fringed	<i>Platanthera leucophaea</i>	T	Oklahoma	Monocot
Orchid, Western Prairie Fringed	<i>Platanthera praeclara</i>	T	Oklahoma	Monocot
Alligator, American	<i>Alligator mississippiensis</i>	T	Oklahoma	Reptile
Albatross, Short-tailed	<i>Phoebastria (=Diomedea) albatrus</i>	E	Oregon	Bird
Murrelet, Marbled	<i>Brachyramphus marmoratus</i>	T	Oregon	Bird
Owl, Northern Spotted	<i>Strix occidentalis caurina</i>	T	Oregon	Bird
Plover, Western Snowy	<i>Charadrius alexandrinus nivosus</i>	T	Oregon	Bird
Fairy Shrimp, Vernal Pool	<i>Branchinecta lynchi</i>	T	Oregon	Crustacean
Daisy, Willamette	<i>Erigeron decumbens</i> var. <i>decumbens</i>	E	Oregon	Dicot
Lomatium, Bradshaw's	<i>Lomatium bradshawii</i>	E	Oregon	Dicot
Lomatium, Cook's	<i>Lomatium cookii</i>	E	Oregon	Dicot
Meadowfoam, Large-flowered Woolly	<i>Limnanthes floccosa</i> ssp. <i>Grandiflora</i>	E	Oregon	Dicot
Milk-vetch, Applegate's	<i>Astragalus applegatei</i>	E	Oregon	Dicot
Popcornflower, Rough	<i>Plagiobothrys hirtus</i>	E	Oregon	Dicot
Rock-cress, McDonald's	<i>Arabis mcdonaldiana</i>	E	Oregon	Dicot

INVNAME	SCINAME	Status	STATE NAME	Taxon
Catchfly, Spalding's	<i>Silene spaldingii</i>	T	Oregon	Dicot
Checker-mallow, Nelson's	<i>Sidalcea nelsoniana</i>	T	Oregon	Dicot
Four-o'clock, Macfarlane's	<i>Mirabilis macfarlanei</i>	T	Oregon	Dicot
Howellia, Water	<i>Howellia aquatilis</i>	T	Oregon	Dicot
Lupine, Kincaid's	<i>Lupinus sulphureus</i> (= <i>oreganus</i>) ssp. <i>kincaidii</i> (= <i>var. kincaidii</i>)	T	Oregon	Dicot
Paintbrush, Golden	<i>Castilleja levisecta</i>	T	Oregon	Dicot
Thelypody, Howell's Spectacular	<i>Thelypodium howellii spectabilis</i>	T	Oregon	Dicot
Chub, Oregon	<i>Oregonichthys crameri</i>	E	Oregon	Fish
Salmon, Sockeye	<i>Oncorhynchus</i> (=Salmo) <i>nerka</i>	E	Oregon	Fish
Sucker, Lost River	<i>Deltistes luxatus</i>	E	Oregon	Fish
Sucker, Modoc	<i>Catostomus microps</i>	E	Oregon	Fish
Sucker, Shortnose	<i>Chasmistes brevirostris</i>	E	Oregon	Fish
Salmon, Chinook	<i>Oncorhynchus</i> (=Salmo) <i>tshawytscha</i>	E/T	Oregon	Fish
Salmon, Coho	<i>Oncorhynchus</i> (=Salmo) <i>kisutch</i>	E/T	Oregon	Fish
Steelhead	<i>Oncorhynchus</i> (=Salmo) <i>mykiss</i>	E/T	Oregon	Fish
Chub, Hutton Tui	<i>Gila bicolor</i> ssp.	T	Oregon	Fish
Dace, Foskett Speckled	<i>Rhinichthys osculus</i> ssp.	T	Oregon	Fish
Salmon, Chum	<i>Oncorhynchus</i> (=Salmo) <i>keta</i>	T	Oregon	Fish
Sucker, Warner	<i>Catostomus warnerensis</i>	T	Oregon	Fish
Trout, Bull	<i>Salvelinus confluentus</i>	T	Oregon	Fish
Trout, Lahontan Cutthroat	<i>Oncorhynchus clarki henshawi</i>	T	Oregon	Fish

INVNAME	SCINAME	Status	STATE NAME	Taxon
Butterfly, Fender's Blue	<i>Icaricia icarioides fenderi</i>	E	Oregon	Insect
Butterfly, Oregon Silverspot	<i>Speyeria zerene hippolyta</i>	T	Oregon	Insect
Deer, Columbian White-tailed	<i>Odocoileus virginianus leucurus</i>	E	Oregon	Mammal
Gray Wolf	<i>Canis lupus</i>	E	Oregon	Mammal
Whale, Blue	<i>Balaenoptera musculus</i>	E	Oregon	Mammal
Whale, Gray	<i>Eschrichtius robustus</i>	E	Oregon	Mammal
Lynx, Canada	<i>Lynx canadensis</i>	T	Oregon	Mammal
Fritillary, Gentner's	<i>Fritillaria gentneri</i>	E	Oregon	Monocot
Lily, Western	<i>Lilium occidentale</i>	E	Oregon	Monocot
Sea turtle, leatherback	<i>Dermochelys coriacea</i>	E	Oregon	Reptile
Sea turtle, green	<i>Chelonia mydas</i>	E/T	Oregon	Reptile
Sea turtle, loggerhead	<i>Caretta caretta</i>	E/T	Oregon	Reptile
Plover, Piping	<i>Charadrius melodus</i>	E/T	Pennsylvania	Bird
Mussel, Clubshell	<i>Pleurobema clava</i>	E	Pennsylvania	Bivalve
Mussel, Dwarf Wedge	<i>Alasmidonta heterodon</i>	E	Pennsylvania	Bivalve
Mussel, snuffbox	<i>Epioblasma triquetra</i>	E	Pennsylvania	Bivalve
Rayed Bean	<i>Villosa fabalis</i>	E	Pennsylvania	Bivalve
Riffleshell, Northern	<i>Epioblasma torulosa rangiana</i>	E	Pennsylvania	Bivalve
Sheepnose mussel	<i>Plethobasus cyphus</i>	E	Pennsylvania	Bivalve
Bat, Indiana	<i>Myotis sodalis</i>	E	Pennsylvania	Mammal
Whale, Blue	<i>Balaenoptera musculus</i>	E	Pennsylvania	Mammal
Bulrush, Northeastern (=Barbed Bristle)	<i>Scirpus ancistrochaetus</i>	E	Pennsylvania	Monocot

INVNAME	SCINAME	Status	STATE NAME	Taxon
Pogonia, Small Whorled	<i>Isotria medeoloides</i>	T	Pennsylvania	Monocot
Turtle, Bog	<i>Clemmys muhlenbergii</i>	T	Pennsylvania	Reptile
Coqui, Golden	<i>Eleutherodactylus jasperii</i>	T	Puerto Rico	Amphibian
Guajon	<i>Eleutherodactylus cookii</i>	T	Puerto Rico	Amphibian
Toad, Puerto Rican Crested	<i>Peltophryne lemur</i>	T	Puerto Rico	Amphibian
Blackbird, Yellow-shouldered	<i>Agelaius xanthomus</i>	E	Puerto Rico	Bird
Hawk, Puerto Rican Broad-winged	<i>Buteo platypterus brunnescens</i>	E	Puerto Rico	Bird
Hawk, Puerto Rican Sharp-shinned	<i>Accipiter striatus venator</i>	E	Puerto Rico	Bird
Nightjar, Puerto Rico	<i>Caprimulgus noctitherus</i>	E	Puerto Rico	Bird
Parrot, Puerto Rican	<i>Amazona vittata</i>	E	Puerto Rico	Bird
Pigeon, Puerto Rican Plain	<i>Columba inornata wetmorei</i>	E	Puerto Rico	Bird
Plover, Piping	<i>Charadrius melodus</i>	E/T	Puerto Rico	Bird
Tern, Roseate	<i>Sterna dougallii dougallii</i>	E/T	Puerto Rico	Bird
Coral, Elkhorn	<i>Acropora palmata</i>	T	Puerto Rico	Coral
Coral, Staghorn	<i>Acropora cervicornis</i>	T	Puerto Rico	Coral
Auerodendron pauciflorum (ncn)	<i>Auerodendron pauciflorum</i>	E	Puerto Rico	Dicot
Bariaco	<i>Trichilia triacantha</i>	E	Puerto Rico	Dicot
Boxwood, Vahl's	<i>Buxus vahlia</i>	E	Puerto Rico	Dicot
Calyptranthes Thomasiana (ncn)	<i>Calyptranthes thomasiana</i>	E	Puerto Rico	Dicot

INVNAME	SCINAME	Status	STATE NAME	Taxon
Capa Rosa	<i>Callicarpa ampla</i>	E	Puerto Rico	Dicot
Catesbaea Melanocarpa (ncn)	<i>Catesbaea melanocarpa</i>	E	Puerto Rico	Dicot
Chamaecrista glandulosa (ncn)	<i>Chamaecrista glandulosa</i> <i>var. mirabilis</i>	E	Puerto Rico	Dicot
Chupacallos	<i>Pleodendron macranthum</i>	E	Puerto Rico	Dicot
Cordia bellonis (ncn)	<i>Cordia bellonis</i>	E	Puerto Rico	Dicot
Daphnopsis hellerana (ncn)	<i>Daphnopsis hellerana</i>	E	Puerto Rico	Dicot
Erubia	<i>Solanum drymophilum</i>	E	Puerto Rico	Dicot
Eugenia Woodburyana	<i>Eugenia woodburyana</i>	E	Puerto Rico	Dicot
Goetzea, Beautiful (Matabuey)	<i>Goetzea elegans</i>	E	Puerto Rico	Dicot
Higuero De Sierra	<i>Crescentia portoricensis</i>	E	Puerto Rico	Dicot
Holly, Cook's	<i>Ilex cookii</i>	E	Puerto Rico	Dicot
Ilex sintenisii (ncn)	<i>Ilex sintenisii</i>	E	Puerto Rico	Dicot
Leptocereus grantianus (ncn)	<i>Leptocereus grantianus</i>	E	Puerto Rico	Dicot
Lyonia truncata var. proctorii (ncn)	<i>Lyonia truncata</i> var. <i>proctorii</i>	E	Puerto Rico	Dicot
Mitracarpus Maxwelliae	<i>Mitracarpus maxwelliae</i>	E	Puerto Rico	Dicot
Mitracarpus Polycladus	<i>Mitracarpus polycladus</i>	E	Puerto Rico	Dicot
Myrcia Paganii	<i>Myrcia paganii</i>	E	Puerto Rico	Dicot
Palo Colorado (Ternstroemia luquillensis)	<i>Ternstroemia luquillensis</i>	E	Puerto Rico	Dicot
Palo de Jazmin	<i>Styrax portoricensis</i>	E	Puerto Rico	Dicot

INVNAME	SCINAME	Status	STATE NAME	Taxon
Palo de Nigua	<i>Cornutia obovata</i>	E	Puerto Rico	Dicot
Palo de Ramon	<i>Banara vanderbiltii</i>	E	Puerto Rico	Dicot
Palo de Rosa	<i>Ottoschulzia rhodoxylon</i>	E	Puerto Rico	Dicot
Peperomia, Wheeler's	<i>Peperomia wheeleri</i>	E	Puerto Rico	Dicot
Prickly-ash, St. Thomas	<i>Zanthoxylum thomasianum</i>	E	Puerto Rico	Dicot
Ternstroemia subsessilis (ncn)	<i>Ternstroemia subsessilis</i>	E	Puerto Rico	Dicot
Uvillo	<i>Eugenia haematocarpa</i>	E	Puerto Rico	Dicot
Vernonia Proctorii (ncn)	<i>Vernonia proctorii</i>	E	Puerto Rico	Dicot
Chumbo, Higo	<i>Harrisia portoricensis</i>	T	Puerto Rico	Dicot
Cobana Negra	<i>Stahlia monosperma</i>	T	Puerto Rico	Dicot
Gesneria pauciflora (ncn)	<i>Gesneria pauciflora</i>	T	Puerto Rico	Dicot
Schoepfia arenaria (ncn)	<i>Schoepfia arenaria</i>	T	Puerto Rico	Dicot
Fern, Adiantum vivesii	<i>Adiantum vivesii</i>	E	Puerto Rico	Ferns
Fern, Elaphoglossum serpens	<i>Elaphoglossum serpens</i>	E	Puerto Rico	Ferns
Fern, Thelypteris inabonensis	<i>Thelypteris inabonensis</i>	E	Puerto Rico	Ferns
Fern, Thelypteris verecunda	<i>Thelypteris verecunda</i>	E	Puerto Rico	Ferns
Fern, Thelypteris yaucoensis	<i>Thelypteris yaucoensis</i>	E	Puerto Rico	Ferns
Polystichum calderonense (ncn)	<i>Polystichum calderonense</i>	E	Puerto Rico	Ferns
Tectaria Estremerana	<i>Tectaria estremerana</i>	E	Puerto Rico	Ferns
Tree Fern, Elfin	<i>Cyathea dryopteroides</i>	E	Puerto Rico	Ferns

INVNAME	SCINAME	Status	STATE NAME	Taxon
Manatee, West Indian	<i>Trichechus manatus</i>	E	Puerto Rico	Mammal
Aristida chaseae (ncn)	<i>Aristida chaseae</i>	E	Puerto Rico	Monocot
Cranichis Ricartii	<i>Cranichis ricartii</i>	E	Puerto Rico	Monocot
Lepanthes eltoensis (ncn)	<i>Lepanthes eltoroensis</i>	E	Puerto Rico	Monocot
Pelos del Diablo	<i>Aristida portoricensis</i>	E	Puerto Rico	Monocot
Walnut, Nogal	<i>Juglans jamaicensis</i>	E	Puerto Rico	Monocot
Manaca, palma de	<i>Calyptronoma rivalis</i>	T	Puerto Rico	Monocot
Anole, Culebra Island Giant	<i>Anolis roosevelti</i>	E	Puerto Rico	Reptile
Boa, Puerto Rican	<i>Epicrates inornatus</i>	E	Puerto Rico	Reptile
Boa, Virgin Islands Tree	<i>Epicrates monensis grantii</i>	E	Puerto Rico	Reptile
Sea turtle, hawksbill	<i>Eretmochelys imbricata</i>	E	Puerto Rico	Reptile
Sea turtle, leatherback	<i>Dermochelys coriacea</i>	E	Puerto Rico	Reptile
Sea turtle, green	<i>Chelonia mydas</i>	E/T	Puerto Rico	Reptile
Sea turtle, loggerhead	<i>Caretta caretta</i>	E/T	Puerto Rico	Reptile
Plover, Piping	<i>Charadrius melodus</i>	E/T	Rhode Island	Bird
Tern, Roseate	<i>Sterna dougallii dougallii</i>	E/T	Rhode Island	Bird
Gerardia, Sandplain	<i>Agalinis acuta</i>	E	Rhode Island	Dicot
Sturgeon, Shortnose	<i>Acipenser brevirostrum</i>	E	Rhode Island	Fish
Beetle, American Burying	<i>Nicrophorus americanus</i>	E	Rhode Island	Insect
Puma (=Cougar), Eastern	<i>Puma (=Felis) concolor (all subsp. except coryi)</i>	E	Rhode Island	Mammal

INVNAME	SCINAME	Status	STATE NAME	Taxon
Whale, Blue	<i>Balaenoptera musculus</i>	E	Rhode Island	Mammal
Pogonia, Small Whorled	<i>Isotria medeoloides</i>	T	Rhode Island	Monocot
Sea turtle, hawksbill	<i>Eretmochelys imbricata</i>	E	Rhode Island	Reptile
Sea turtle, Kemp's ridley	<i>Lepidochelys kempii</i>	E	Rhode Island	Reptile
Sea turtle, leatherback	<i>Dermochelys coriacea</i>	E	Rhode Island	Reptile
Sea turtle, green	<i>Chelonia mydas</i>	E/T	Rhode Island	Reptile
Sea turtle, loggerhead	<i>Caretta caretta</i>	E/T	Rhode Island	Reptile
Salamander, Frosted Flatwoods	<i>Ambystoma cingulatum</i>	T	South Carolina	Amphibian
Stork, Wood	<i>Mycteria americana</i>	E	South Carolina	Bird
Warbler (=Wood), Kirtland's	<i>Dendroica kirtlandii</i>	E	South Carolina	Bird
Warbler, Bachman's	<i>Vermivora bachmanii</i>	E	South Carolina	Bird
Woodpecker, Red-cockaded	<i>Picoides borealis</i>	E	South Carolina	Bird
Plover, Piping	<i>Charadrius melodus</i>	E/T	South Carolina	Bird
Tern, Roseate	<i>Sterna dougallii dougallii</i>	E/T	South Carolina	Bird
Mussel, Heelsplitter Carolina	<i>Lasmigona decorata</i>	E	South Carolina	Bivalve
Chaffseed, American	<i>Schwalbea americana</i>	E	South Carolina	Dicot
Coneflower, Smooth	<i>Echinacea laevigata</i>	E	South Carolina	Dicot
Dropwort, Canby's	<i>Oxypolis canbyi</i>	E	South Carolina	Dicot
Harperella	<i>Ptilimnium nodosum</i>	E	South Carolina	Dicot
Loosestrife, Rough-leaved	<i>Lysimachia asperulaefolia</i>	E	South Carolina	Dicot

INVNAME	SCINAME	Status	STATE NAME	Taxon
Pitcher-plant, Mountain Sweet	<i>Sarracenia rubra ssp. jonesii</i>	E	South Carolina	Dicot
Pondberry	<i>Lindera melissifolia</i>	E	South Carolina	Dicot
Sumac, Michaux's	<i>Rhus michauxii</i>	E	South Carolina	Dicot
Sunflower, Schweinitz's	<i>Helianthus schweinitzii</i>	E	South Carolina	Dicot
Amaranth, Seabeach	<i>Amaranthus pumilus</i>	T	South Carolina	Dicot
Amphianthus, Little	<i>Amphianthus pusillus</i>	T	South Carolina	Dicot
Gooseberry, Miccosukee	<i>Ribes echinellum</i>	T	South Carolina	Dicot
Heartleaf, Dwarf- flowered	<i>Hexastylis naniflora</i>	T	South Carolina	Dicot
Quillwort, Black- spored	<i>Isoetes melanospora</i>	E	South Carolina	Ferns
Sturgeon, Shortnose	<i>Acipenser brevirostrum</i>	E	South Carolina	Fish
Lichen, Rock Gnome	<i>Gymnoderma lineare</i>	E	South Carolina	Lichen
Manatee, West Indian	<i>Trichechus manatus</i>	E	South Carolina	Mammal
Whale, Blue	<i>Balaenoptera musculus</i>	E	South Carolina	Mammal
Arrowhead, Bunched	<i>Sagittaria fasciculata</i>	E	South Carolina	Monocot
Irisette, White	<i>Sisyrinchium dichotomum</i>	E	South Carolina	Monocot
Trillium, Persistent	<i>Trillium persistens</i>	E	South Carolina	Monocot
Trillium, Relict	<i>Trillium reliquum</i>	E	South Carolina	Monocot
Pink, Swamp	<i>Helonias bullata</i>	T	South Carolina	Monocot
Pogonia, Small Whorled	<i>Isotria medeoloides</i>	T	South Carolina	Monocot
Sea turtle, hawksbill	<i>Eretmochelys imbricata</i>	E	South Carolina	Reptile

INVNAME	SCINAME	Status	STATE NAME	Taxon
Sea turtle, Kemp's ridley	<i>Lepidochelys kempii</i>	E	South Carolina	Reptile
Sea turtle, leatherback	<i>Dermochelys coriacea</i>	E	South Carolina	Reptile
Sea turtle, green	<i>Chelonia mydas</i>	E/T	South Carolina	Reptile
Sea turtle, loggerhead	<i>Caretta caretta</i>	E/T	South Carolina	Reptile
Turtle, Bog	<i>Clemmys muhlenbergii</i>	T	South Carolina	Reptile
Crane, Whooping	<i>Grus americana</i>	E	South Dakota	Bird
Curlew, Eskimo	<i>Numenius borealis</i>	E	South Dakota	Bird
Tern, Interior (population) Least	<i>Sterna antillarum</i>	E	South Dakota	Bird
Plover, Piping	<i>Charadrius melodus</i>	E/T	South Dakota	Bird
Mussel, Scaleshell	<i>Leptodea leptodon</i>	E	South Dakota	Bivalve
Pearlymussel, Higgins' Eye	<i>Lampsilis higginsii</i>	E	South Dakota	Bivalve
Shiner, Topeka	<i>Notropis topeka (=tristis)</i>	E	South Dakota	Fish
Sturgeon, Pallid	<i>Scaphirhynchus albus</i>	E	South Dakota	Fish
Beetle, American Burying	<i>Nicrophorus americanus</i>	E	South Dakota	Insect
Gray Wolf	<i>Canis lupus</i>	E	South Dakota	Mammal
Orchid, Western Prairie Fringed	<i>Platanthera praeclara</i>	T	South Dakota	Monocot
Spider, Spruce-fir Moss	<i>Microhexura montivaga</i>	E	Tennessee	Arachnid
Stork, Wood	<i>Mycteria americana</i>	E	Tennessee	Bird
Tern, Interior (population) Least	<i>Sterna antillarum</i>	E	Tennessee	Bird
Woodpecker, Red-cockaded	<i>Picoides borealis</i>	E	Tennessee	Bird

INVNAME	SCINAME	Status	STATE NAME	Taxon
Combshell, Upland	<i>Epioblasma metastrata</i>	E	Tennessee	Bivalve
Elktoe, Appalachian	<i>Alasmidonta raveneliana</i>	E	Tennessee	Bivalve
Fanshell	<i>Cyprogenia stegaria</i>	E	Tennessee	Bivalve
Kidneyshell, Triangular	<i>Ptychobranthus greenii</i>	E	Tennessee	Bivalve
Mucket, Pink (Pearlymussel)	<i>Lampsilis abrupta</i>	E	Tennessee	Bivalve
Mussel, Clubshell	<i>Pleurobema clava</i>	E	Tennessee	Bivalve
Mussel, Coosa Moccasinshell	<i>Medionidus parvulus</i>	E	Tennessee	Bivalve
Mussel, Cumberland Combshell	<i>Epioblasma brevidens</i>	E	Tennessee	Bivalve
Mussel, Cumberland Elktoe	<i>Alasmidonta atropurpurea</i>	E	Tennessee	Bivalve
Mussel, Cumberland Pigtoe	<i>Pleurobema gibberum</i>	E	Tennessee	Bivalve
Mussel, Fine-rayed Pigtoe	<i>Fusconaia cuneolus</i>	E	Tennessee	Bivalve
Mussel, Georgia pigtoe	<i>Pleurobema hanleyianum</i>	E	Tennessee	Bivalve
Mussel, Ovate Clubshell	<i>Pleurobema perovatum</i>	E	Tennessee	Bivalve
Mussel, Oyster	<i>Epioblasma capsaeformis</i>	E	Tennessee	Bivalve
Mussel, Ring Pink (=Golf Stick Pearly)	<i>Obovaria retusa</i>	E	Tennessee	Bivalve
Mussel, Rough Pigtoe	<i>Pleurobema plenum</i>	E	Tennessee	Bivalve
Mussel, Shiny Pigtoe	<i>Fusconaia cor</i>	E	Tennessee	Bivalve
Mussel, snuffbox	<i>Epioblasma triquetra</i>	E	Tennessee	Bivalve
Mussel, Southern Pigtoe	<i>Pleurobema georgianum</i>	E	Tennessee	Bivalve
Pearlymussel, Alabama Lamp	<i>Lampsilis virescens</i>	E	Tennessee	Bivalve

INVNAME	SCINAME	Status	STATE NAME	Taxon
Pearlymussel, Appalachian Monkeyface	<i>Quadrula sparsa</i>	E	Tennessee	Bivalve
Pearlymussel, Birdwing	<i>Lemiox rimosus</i>	E	Tennessee	Bivalve
Pearlymussel, Cracking	<i>Hemistena lata</i>	E	Tennessee	Bivalve
Pearlymussel, Cumberland Bean	<i>Villosa trabalis</i>	E	Tennessee	Bivalve
Pearlymussel, Cumberland Monkeyface	<i>Quadrula intermedia</i>	E	Tennessee	Bivalve
Pearlymussel, Dromedary	<i>Dromus dromas</i>	E	Tennessee	Bivalve
Pearlymussel, Green-blossom	<i>Epioblasma torulosa gubernaculum</i>	E	Tennessee	Bivalve
Pearlymussel, Little-wing	<i>Pegias fabula</i>	E	Tennessee	Bivalve
Pearlymussel, Orange-footed	<i>Plethobasus cooperianus</i>	E	Tennessee	Bivalve
Pearlymussel, Pale Lilliput	<i>Toxolasma cylindrellus</i>	E	Tennessee	Bivalve
Pearlymussel, Purple Cat's Paw	<i>Epioblasma obliquata obliquata</i>	E	Tennessee	Bivalve
Pearlymussel, Tubercled-blossom	<i>Epioblasma torulosa torulosa</i>	E	Tennessee	Bivalve
Pearlymussel, Turgid-blossom	<i>Epioblasma turgidula</i>	E	Tennessee	Bivalve
Pearlymussel, White Wartyback	<i>Plethobasus cicatricosus</i>	E	Tennessee	Bivalve
Pearlymussel, Yellow-blossom	<i>Epioblasma florentina florentina</i>	E	Tennessee	Bivalve
Purple Bean	<i>Villosa perpurpurea</i>	E	Tennessee	Bivalve
Rabbitsfoot, Rough	<i>Quadrula cylindrica strigillata</i>	E	Tennessee	Bivalve
Riffleshell, Tan	<i>Epioblasma florentina walkeri</i> (=E. walkeri)	E	Tennessee	Bivalve
Sheepnose mussel	<i>Plethobasus cyphus</i>	E	Tennessee	Bivalve

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Spectaclecase mussel	<i>Cumberlandia monodonta</i>	E	Tennessee	Bivalve
Mussel, Alabama Moccasinshell	<i>Medionidus acutissimus</i>	T	Tennessee	Bivalve
Mussel, Fine-lined Pocketbook	<i>Lampsilis altilis</i>	T	Tennessee	Bivalve
Crayfish, Nashville	<i>Orconectes shoupi</i>	E	Tennessee	Crustacean
Aster, Ruth's Golden	<i>Pityopsis ruthii</i>	E	Tennessee	Dicot
Avens, Spreading	<i>Geum radiatum</i>	E	Tennessee	Dicot
Bladderpod, Spring Creek	<i>Lesquerella perforata</i>	E	Tennessee	Dicot
Bluet, Roan Mountain	<i>Hedyotis purpurea</i> var. <i>montana</i>	E	Tennessee	Dicot
Chaffseed, American	<i>Schwalbea americana</i>	E	Tennessee	Dicot
Clover, Leafy Prairie	<i>Dalea foliosa</i>	E	Tennessee	Dicot
Ground-plum, Guthrie's	<i>Astragalus bibullatus</i>	E	Tennessee	Dicot
Pitcher-plant, Green	<i>Sarracenia oreophila</i>	E	Tennessee	Dicot
Rock-cress, Braun's	<i>Arabis perstellata</i> E. L. Braun var. <i>ampla</i> Rollins	E	Tennessee	Dicot
Sandwort, Cumberland	<i>Arenaria cumberlandensis</i>	E	Tennessee	Dicot
Goldenrod, Blue Ridge	<i>Solidago spithamaea</i>	T	Tennessee	Dicot
Potato-bean, Price's	<i>Apios priceana</i>	T	Tennessee	Dicot
Rosemary, Cumberland	<i>Conradina verticillata</i>	T	Tennessee	Dicot
Skullcap, Large-flowered	<i>Scutellaria montana</i>	T	Tennessee	Dicot
Spiraea, Virginia	<i>Spiraea virginiana</i>	T	Tennessee	Dicot

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Fern, American hart's-tongue	<i>Asplenium scolopendrium</i> <i>var. americanum</i>	T	Tennessee	Ferns
Chucky Madtom	<i>Noturus crypticus</i>	E	Tennessee	Fish
Cumberland darter	<i>Etheostoma susanae</i>	E	Tennessee	Fish
Darter, Amber	<i>Percina antesella</i>	E	Tennessee	Fish
Darter, Bluemask (=jewel)	<i>Etheostoma</i> sp.	E	Tennessee	Fish
Darter, Boulder	<i>Etheostoma wapiti</i>	E	Tennessee	Fish
Darter, Duskytail	<i>Etheostoma percnurum</i>	E	Tennessee	Fish
Laurel dace	<i>Chrosomus aylori</i>	E	Tennessee	Fish
Logperch, Conasauga	<i>Percina jenkinsi</i>	E	Tennessee	Fish
Madtom, Pygmy	<i>Noturus stanauli</i>	E	Tennessee	Fish
Madtom, Smoky	<i>Noturus baileyi</i>	E	Tennessee	Fish
Shiner, Palezone	<i>Notropis albizonatus</i>	E	Tennessee	Fish
Sturgeon, Pallid	<i>Scaphirhynchus albus</i>	E	Tennessee	Fish
Chub, Slender	<i>Erimystax cahni</i>	T	Tennessee	Fish
Chub, Spotfin	<i>Erimonax monachus</i>	T	Tennessee	Fish
Dace, Blackside	<i>Phoxinus cumberlandensis</i>	T	Tennessee	Fish
Darter, Slackwater	<i>Etheostoma boschungii</i>	T	Tennessee	Fish
Darter, Snail	<i>Percina tanasi</i>	T	Tennessee	Fish
Madtom, Yellowfin	<i>Noturus flavipinnis</i>	T	Tennessee	Fish
Shiner, Blue	<i>Cyprinella caerulea</i>	T	Tennessee	Fish

INVNAME	SCINAME	Status	STATE NAME	Taxon
Marstonia, Royal (=Royal Snail)	<i>Pyrgulopsis ogmorhapse</i>	E	Tennessee	Gastropod
Riversnail, Anthony's	<i>Athearnia anthonyi</i>	E	Tennessee	Gastropod
Snail, Painted Snake Coiled Forest	<i>Anguispira picta</i>	T	Tennessee	Gastropod
Lichen, Rock Gnome	<i>Gymnoderma lineare</i>	E	Tennessee	Lichen
Bat, Gray	<i>Myotis grisescens</i>	E	Tennessee	Mammal
Bat, Indiana	<i>Myotis sodalis</i>	E	Tennessee	Mammal
Squirrel, Carolina Northern Flying	<i>Glaucomys sabrinus coloratus</i>	E	Tennessee	Mammal
Grass, Tennessee Yellow-eyed	<i>Xyris tennesseensis</i>	E	Tennessee	Monocot
Pogonia, Small Whorled	<i>Isotria medeoloides</i>	T	Tennessee	Monocot
Salamander, Barton Springs	<i>Eurycea sosorum</i>	E	Texas	Amphibian
Salamander, Texas Blind	<i>Typhlomolge rathbuni</i>	E	Texas	Amphibian
Toad, Houston	<i>Bufo houstonensis</i>	E	Texas	Amphibian
Salamander, San Marcos	<i>Eurycea nana</i>	T	Texas	Amphibian
Harvestman, Bee Creek Cave	<i>Texella reddelli</i>	E	Texas	Arachnid
Harvestman, Bone Cave	<i>Texella reyesi</i>	E	Texas	Arachnid
Harvestman, Cokendolpher Cave	<i>Texella cokendolpheri</i>	E	Texas	Arachnid
Meshweaver, Braken Bat Cave	<i>Cicurina venii</i>	E	Texas	Arachnid
Meshweaver, Government Canyon Bat Cave	<i>Cicurina vespera</i>	E	Texas	Arachnid
Meshweaver, Madla's Cave	<i>Cicurina madla</i>	E	Texas	Arachnid
Meshweaver, Robber Baron Cave	<i>Cicurina baronia</i>	E	Texas	Arachnid

INVNAME	SCINAME	Status	STATE NAME	Taxon
Pseudoscorpion, Tooth Cave	<i>Tartarocreagris texana</i>	E	Texas	Arachnid
Spider, Government Canyon Bat Cave	<i>Neoleptoneta microps</i>	E	Texas	Arachnid
Spider, Tooth Cave	<i>Leptoneta myopica</i>	E	Texas	Arachnid
Crane, Mississippi Sandhill	<i>Grus canadensis pulla</i>	E	Texas	Bird
Crane, Whooping	<i>Grus americana</i>	E	Texas	Bird
Curlew, Eskimo	<i>Numenius borealis</i>	E	Texas	Bird
Falcon, Northern Aplomado	<i>Falco femoralis septentrionalis</i>	E	Texas	Bird
Flycatcher, Southwestern Willow	<i>Empidonax traillii extimus</i>	E	Texas	Bird
Prairie-chicken, Attwater's Greater	<i>Tympanuchus cupido attwateri</i>	E	Texas	Bird
Tern, Interior (population) Least	<i>Sterna antillarum</i>	E	Texas	Bird
Vireo, Black-capped	<i>Vireo atricapilla</i>	E	Texas	Bird
Warbler (=Wood), Golden-cheeked	<i>Dendroica chrysoparia</i>	E	Texas	Bird
Woodpecker, Red-cockaded	<i>Picooides borealis</i>	E	Texas	Bird
Plover, Piping	<i>Charadrius melodus</i>	E/T	Texas	Bird
Owl, Mexican Spotted	<i>Strix occidentalis lucida</i>	T	Texas	Bird
Amphipod, Peck's Cave	<i>Stygobromus (=Stygonectes) pecki</i>	E	Texas	Crustacean
Ambrosia, South Texas	<i>Ambrosia cheiranthifolia</i>	E	Texas	Dicot
Ayenia, Texas	<i>Ayenia limitaris</i>	E	Texas	Dicot
Bladderpod, White	<i>Lesquerella pallida</i>	E	Texas	Dicot
Bladderpod, Zapata	<i>Lesquerella thamnophila</i>	E	Texas	Dicot
Cactus, Black Lace	<i>Echinocereus reichenbachii var. albertii</i>	E	Texas	Dicot
Cactus, Nellie Cory	<i>Coryphantha minima</i>	E	Texas	Dicot

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Cactus, Sneed Pincushion	<i>Coryphantha sneedii</i> var. <i>sneedii</i>	E	Texas	Dicot
Cactus, Star	<i>Astrophytum asterias</i>	E	Texas	Dicot
Cactus, Tobusch Fishhook	<i>Ancistrocactus tobuschii</i>	E	Texas	Dicot
Cat's-eye, Terlingua Creek	<i>Cryptantha crassipes</i>	E	Texas	Dicot
Dawn-flower, Texas Prairie (=Texas Bitterweed)	<i>Hymenoxys texana</i>	E	Texas	Dicot
Dogweed, Ashy	<i>Thymophylla tephroleuca</i>	E	Texas	Dicot
Frankenia, Johnston's	<i>Frankenia johnstonii</i>	E	Texas	Dicot
Manioc, Walker's	<i>Manihot walkerae</i>	E	Texas	Dicot
Phlox, Texas Trailing	<i>Phlox nivalis</i> ssp. <i>texensis</i>	E	Texas	Dicot
Pitaya, Davis' Green	<i>Echinocereus viridiflorus</i> var. <i>davisii</i>	E	Texas	Dicot
Poppy-mallow, Texas	<i>Callirhoe scabriuscula</i>	E	Texas	Dicot
Rush-pea, Slender	<i>Hoffmannseggia tenella</i>	E	Texas	Dicot
Sand-verbena, Large-fruited	<i>Abronia macrocarpa</i>	E	Texas	Dicot
Snowbells, Texas	<i>Styrax texanus</i>	E	Texas	Dicot
Cactus, Bunched Cory	<i>Coryphantha ramillosa</i>	T	Texas	Dicot
Cactus, Chisos Mountain Hedgehog	<i>Echinocereus chisoensis</i> var. <i>chisoensis</i>	T	Texas	Dicot
Cactus, Lloyd's Mariposa	<i>Echinomastus mariposensis</i>	T	Texas	Dicot
Fruit, Earth (=geocarpon)	<i>Geocarpon minimum</i>	T	Texas	Dicot
Oak, Hinckley	<i>Quercus hinckleyi</i>	T	Texas	Dicot
Sunflower, Pecos	<i>Helianthus paradoxus</i>	T	Texas	Dicot
Darter, Fountain	<i>Etheostoma fonticola</i>	E	Texas	Fish

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Gambusia, Big Bend	<i>Gambusia gaigei</i>	E	Texas	Fish
Gambusia, Clear Creek	<i>Gambusia heterochir</i>	E	Texas	Fish
Gambusia, Pecos	<i>Gambusia nobilis</i>	E	Texas	Fish
Gambusia, San Marcos	<i>Gambusia georgei</i>	E	Texas	Fish
Pupfish, Comanche Springs	<i>Cyprinodon elegans</i>	E	Texas	Fish
Pupfish, Leon Springs	<i>Cyprinodon bovinus</i>	E	Texas	Fish
Minnow, Devils River	<i>Dionda diaboli</i>	T	Texas	Fish
Shiner, Arkansas River	<i>Notropis girardi</i>	T	Texas	Fish
Snail, Pecos Assimineia	<i>Assimineia pecos</i>	E	Texas	Gastropod
Beetle, American Burying	<i>Nicrophorus americanus</i>	E	Texas	Insect
Beetle, Coffin Cave Mold	<i>Batrisodes texanus</i>	E	Texas	Insect
Beetle, Comal Springs Dryopid	<i>Stygoparnus comalensis</i>	E	Texas	Insect
Beetle, Comal Springs Riffle	<i>Heterelmis comalensis</i>	E	Texas	Insect
Beetle, Helotes Mold	<i>Batrisodes venyivi</i>	E	Texas	Insect
Beetle, Kretschmarr Cave Mold	<i>Texamaurops reddelli</i>	E	Texas	Insect
Beetle, Tooth Cave Ground	<i>Rhadine persephone</i>	E	Texas	Insect
Rhadine exilis (ncn)	<i>Rhadine exilis</i>	E	Texas	Insect
Rhadine infernalis (ncn)	<i>Rhadine infernalis</i>	E	Texas	Insect
Bat, Mexican Long-nosed	<i>Leptonycteris nivalis</i>	E	Texas	Mammal
Jaguarundi, Gulf Coast	<i>Herpailurus (=Felis) yagouaroundi cacomitli</i>	E	Texas	Mammal

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Manatee, West Indian	<i>Trichechus manatus</i>	E	Texas	Mammal
Ocelot	<i>Leopardus (=Felis) pardalis</i>	E	Texas	Mammal
Whale, Blue	<i>Balaenoptera musculus</i>	E	Texas	Mammal
Bear, Louisiana Black	<i>Ursus americanus luteolus</i>	T	Texas	Mammal
Ladies'-tresses, Navasota	<i>Spiranthes parksii</i>	E	Texas	Monocot
Pondweed, Little Aguja Creek	<i>Potamogeton clystocarpus</i>	E	Texas	Monocot
Wild-rice, Texas	<i>Zizania texana</i>	E	Texas	Monocot
Sea turtle, hawksbill	<i>Eretmochelys imbricata</i>	E	Texas	Reptile
Sea turtle, Kemp's ridley	<i>Lepidochelys kempii</i>	E	Texas	Reptile
Sea turtle, leatherback	<i>Dermochelys coriacea</i>	E	Texas	Reptile
Sea turtle, green	<i>Chelonia mydas</i>	E/T	Texas	Reptile
Sea turtle, loggerhead	<i>Caretta caretta</i>	E/T	Texas	Reptile
Condor, California	<i>Gymnogyps californianus</i>	E	Utah	Bird
Flycatcher, Southwestern Willow	<i>Empidonax traillii extimus</i>	E	Utah	Bird
Owl, Mexican Spotted	<i>Strix occidentalis lucida</i>	T	Utah	Bird
Bearclaw poppy, Dwarf	<i>Arctomecon humilis</i>	E	Utah	Dicot
Bladderpod, Kodachrome	<i>Lesquerella tumulosa</i>	E	Utah	Dicot
Buttercup, Autumn	<i>Ranunculus aestivalis</i> (= <i>acriiformis</i>)	E	Utah	Dicot
Cactus, San Rafael	<i>Pediocactus despainii</i>	E	Utah	Dicot
Cactus, Wright Fishhook	<i>Sclerocactus wrightiae</i>	E	Utah	Dicot

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Milk-vetch, Holmgren	<i>Astragalus holmgreniorum</i>	E	Utah	Dicot
Milk-vetch, Shivwits	<i>Astragalus ampullarioides</i>	E	Utah	Dicot
Phacelia, Clay	<i>Phacelia argillacea</i>	E	Utah	Dicot
Reed-mustard, Barneby	<i>Schoenocrambe barnebyi</i>	E	Utah	Dicot
Reed-mustard, Shrubby	<i>Schoenocrambe suffrutescens</i>	E	Utah	Dicot
Ridge-cress (=Pepper-cress), Barneby	<i>Lepidium barnebyanum</i>	E	Utah	Dicot
Cactus, Colorado hookless	<i>Sclerocactus glaucus</i>	T	Utah	Dicot
Cactus, Pariette	<i>Sclerocactus brevispinus</i>	T	Utah	Dicot
Cactus, Siler Pincushion	<i>Pediocactus (=Echinocactus, =Utahia) sileri</i>	T	Utah	Dicot
Cactus, Uinta Basin hookless	<i>Sclerocactus wetlandicus</i>	T	Utah	Dicot
Cactus, Winkler	<i>Pediocactus winkleri</i>	T	Utah	Dicot
Cycladenia, Jones	<i>Cycladenia jonesii (=humilis)</i>	T	Utah	Dicot
Milk-vetch, Deseret	<i>Astragalus desereticus</i>	T	Utah	Dicot
Milk-vetch, Heliotrope	<i>Astragalus montii</i>	T	Utah	Dicot
Milkweed, Welsh's	<i>Asclepias welshii</i>	T	Utah	Dicot
Primrose, Maguire	<i>Primula maguirei</i>	T	Utah	Dicot
Reed-mustard, Clay	<i>Schoenocrambe argillacea</i>	T	Utah	Dicot
Townsendia, Last Chance	<i>Townsendia aprica</i>	T	Utah	Dicot
Chub, Bonytail	<i>Gila elegans</i>	E	Utah	Fish
Chub, Humpback	<i>Gila cypha</i>	E	Utah	Fish
Chub, Virgin River	<i>Gila seminuda (=robusta)</i>	E	Utah	Fish
Squawfish, Colorado	<i>Ptychocheilus lucius</i>	E	Utah	Fish

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Sucker, June	<i>Chasmistes liorus</i>	E	Utah	Fish
Sucker, Razorback	<i>Xyrauchen texanus</i>	E	Utah	Fish
Woundfin	<i>Plagopterus argentissimus</i>	E	Utah	Fish
Trout, Lahontan Cutthroat	<i>Oncorhynchus clarki henshawi</i>	T	Utah	Fish
Ambersnail, Kanab	<i>Oxyloma haydeni kanabensis</i>	E	Utah	Gastropod
Ferret, Black-footed	<i>Mustela nigripes</i>	E	Utah	Mammal
Gray Wolf	<i>Canis lupus</i>	E	Utah	Mammal
Lynx, Canada	<i>Lynx canadensis</i>	T	Utah	Mammal
Prairie Dog, Utah	<i>Cynomys parvidens</i>	T	Utah	Mammal
Ladies'-tresses, Ute	<i>Spiranthes diluvialis</i>	T	Utah	Monocot
Sedge, Navajo	<i>Carex specuicola</i>	T	Utah	Monocot
Tortoise, Desert	<i>Gopherus agassizii</i>	T	Utah	Reptile
Mussel, Dwarf Wedge	<i>Alasmidonta heterodon</i>	E	Vermont	Bivalve
Milk-vetch, Jesup's	<i>Astragalus robbinsii var. jesupi</i>	E	Vermont	Dicot
Bat, Indiana	<i>Myotis sodalis</i>	E	Vermont	Mammal
Whale, Blue	<i>Balaenoptera musculus</i>	E	Vermont	Mammal
Lynx, Canada	<i>Lynx canadensis</i>	T	Vermont	Mammal
Bulrush, Northeastern (=Barbed Bristle)	<i>Scirpus ancistrochaetus</i>	E	Vermont	Monocot
Pogonia, Small Whorled	<i>Isotria medeoloides</i>	T	Vermont	Monocot
Coral, Elkhorn	<i>Acropora palmata</i>	T	Virgin Islands	Coral
Coral, Staghorn	<i>Acropora cervicornis</i>	T	Virgin Islands	Coral
Boxwood, Vahl's	<i>Buxus vahlii</i>	E	Virgin Islands	Dicot
Catesbaea Melanocarpa (ncn)	<i>Catesbaea melanocarpa</i>	E	Virgin Islands	Dicot
Lizard, St. Croix Ground	<i>Ameiva polops</i>	E	Virgin Islands	Reptile

INVNAME	SCINAME	Status	STATE NAME	Taxon
Salamander, Shenandoah	<i>Plethodon shenandoah</i>	E	Virginia	Amphibian
Spider, Spruce-fir Moss	<i>Microhexura montivaga</i>	E	Virginia	Arachnid
Woodpecker, Red-cockaded	<i>Picoides borealis</i>	E	Virginia	Bird
Plover, Piping	<i>Charadrius melodus</i>	E/T	Virginia	Bird
Tern, Roseate	<i>Sterna dougallii dougallii</i>	E/T	Virginia	Bird
Fanshell	<i>Cyprogenia stegaria</i>	E	Virginia	Bivalve
Mucket, Pink (Pearlymussel)	<i>Lampsilis abrupta</i>	E	Virginia	Bivalve
Mussel, Cumberland Combshell	<i>Epioblasma brevidens</i>	E	Virginia	Bivalve
Mussel, Dwarf Wedge	<i>Alasmidonta heterodon</i>	E	Virginia	Bivalve
Mussel, Fine-rayed Pigtoe	<i>Fusconaia cuneolus</i>	E	Virginia	Bivalve
Mussel, Oyster	<i>Epioblasma capsaeformis</i>	E	Virginia	Bivalve
Mussel, Rough Pigtoe	<i>Pleurobema plenum</i>	E	Virginia	Bivalve
Mussel, Shiny Pigtoe	<i>Fusconaia cor</i>	E	Virginia	Bivalve
Mussel, snuffbox	<i>Epioblasma triquetra</i>	E	Virginia	Bivalve
Pearlymussel, Appalachian Monkeyface	<i>Quadrula sparsa</i>	E	Virginia	Bivalve
Pearlymussel, Birdwing	<i>Lemiox rimosus</i>	E	Virginia	Bivalve
Pearlymussel, Cracking	<i>Hemistena lata</i>	E	Virginia	Bivalve
Pearlymussel, Cumberland Bean	<i>Villosa trabalis</i>	E	Virginia	Bivalve
Pearlymussel, Cumberland Monkeyface	<i>Quadrula intermedia</i>	E	Virginia	Bivalve
Pearlymussel, Dromedary	<i>Dromus dromas</i>	E	Virginia	Bivalve

INVNAME	SCINAME	Status	STATE NAME	Taxon
Pearlymussel, Green-blossom	<i>Epioblasma torulosa gubernaculum</i>	E	Virginia	Bivalve
Pearlymussel, Little-wing	<i>Pegias fabula</i>	E	Virginia	Bivalve
Purple Bean	<i>Villosa perpurpurea</i>	E	Virginia	Bivalve
Rabbitsfoot, Rough	<i>Quadrula cylindrica strigillata</i>	E	Virginia	Bivalve
Rayed Bean	<i>Villosa fabalis</i>	E	Virginia	Bivalve
Riffleshell, Tan	<i>Epioblasma florentina walkeri</i> (=E. walkeri)	E	Virginia	Bivalve
Sheepnose mussel	<i>Plethobasus cyphus</i>	E	Virginia	Bivalve
Spectaclecase mussel	<i>Cumberlandia monodonta</i>	E	Virginia	Bivalve
Spiny mussel, James River	<i>Pleurobema collina</i>	E	Virginia	Bivalve
Isopod, Lee County Cave	<i>Lirceus usdagalum</i>	E	Virginia	Crustacean
Isopod, Madison Cave	<i>Antrolana lira</i>	T	Virginia	Crustacean
Bittercress, Small-anthered	<i>Cardamine micranthera</i>	E	Virginia	Dicot
Chaffseed, American	<i>Schwalbea americana</i>	E	Virginia	Dicot
Coneflower, Smooth	<i>Echinacea laevigata</i>	E	Virginia	Dicot
Harperella	<i>Ptilimnium nodosum</i>	E	Virginia	Dicot
Mallow, Peter's Mountain	<i>Iliamna corei</i>	E	Virginia	Dicot
Rock-cress, Shale Barren	<i>Arabis serotina</i>	E	Virginia	Dicot
Sumac, Michaux's	<i>Rhus michauxii</i>	E	Virginia	Dicot
Sunflower, Schweinitz's	<i>Helianthus schweinitzii</i>	E	Virginia	Dicot
Amaranth, Seabeach	<i>Amaranthus punilus</i>	T	Virginia	Dicot
Birch, Virginia Round-leaf	<i>Betula uber</i>	T	Virginia	Dicot
Joint-vetch, Sensitive	<i>Aeschynomene virginica</i>	T	Virginia	Dicot

INVNAME	SCINAME	Status	STATE NAME	Taxon
Sneezeweed, Virginia	<i>Helenium virginicum</i>	T	Virginia	Dicot
Spiraea, Virginia	<i>Spiraea virginiana</i>	T	Virginia	Dicot
Darter, Duskytail	<i>Etheostoma percnurum</i>	E	Virginia	Fish
Logperch, Conasauga	<i>Percina jenkinsi</i>	E	Virginia	Fish
Logperch, Roanoke	<i>Percina rex</i>	E	Virginia	Fish
Sturgeon, Shortnose	<i>Acipenser brevirostrum</i>	E	Virginia	Fish
Chub, Slender	<i>Erimystax cahni</i>	T	Virginia	Fish
Chub, Spotfin	<i>Erimonax monachus</i>	T	Virginia	Fish
Dace, Blackside	<i>Phoxinus cumberlandensis</i>	T	Virginia	Fish
Madtom, Yellowfin	<i>Noturus flavipinnis</i>	T	Virginia	Fish
Snail, Virginia Fringed Mountain	<i>Polygyriscus virginianus</i>	E	Virginia	Gastropod
Butterfly, Mitchell's Satyr	<i>Neonympha mitchellii mitchellii</i>	E	Virginia	Insect
Beetle, Northeastern Beach Tiger	<i>Cicindela dorsalis dorsalis</i>	T	Virginia	Insect
Bat, Gray	<i>Myotis grisescens</i>	E	Virginia	Mammal
Bat, Indiana	<i>Myotis sodalis</i>	E	Virginia	Mammal
Bat, Ozark Big-eared	<i>Corynorhinus (=Plecotus) townsendii ingens</i>	E	Virginia	Mammal
Squirrel, Carolina Northern Flying	<i>Glaucomys sabrinus coloratus</i>	E	Virginia	Mammal
Squirrel, Delmarva Peninsula Fox	<i>Sciurus niger cinereus</i>	E	Virginia	Mammal
Squirrel, Virginia Northern Flying	<i>Glaucomys sabrinus fuscus</i>	E	Virginia	Mammal
Whale, Blue	<i>Balaenoptera musculus</i>	E	Virginia	Mammal
Bulrush, Northeastern (=Barbed Bristle)	<i>Scirpus ancistrochaetus</i>	E	Virginia	Monocot
Orchid, Eastern Prairie Fringed	<i>Platanthera leucophaea</i>	T	Virginia	Monocot

INVNAME	SCINAME	Status	STATE NAME	Taxon
Pink, Swamp	<i>Helonias bullata</i>	T	Virginia	Monocot
Pogonia, Small Whorled	<i>Isotria medeoloides</i>	T	Virginia	Monocot
Sea turtle, hawksbill	<i>Eretmochelys imbricata</i>	E	Virginia	Reptile
Sea turtle, Kemp's ridley	<i>Lepidochelys kempii</i>	E	Virginia	Reptile
Sea turtle, leatherback	<i>Dermochelys coriacea</i>	E	Virginia	Reptile
Sea turtle, green	<i>Chelonia mydas</i>	E/T	Virginia	Reptile
Sea turtle, loggerhead	<i>Caretta caretta</i>	E/T	Virginia	Reptile
Turtle, Bog	<i>Clemmys muhlenbergii</i>	T	Virginia	Reptile
Albatross, Short-tailed	<i>Phoebastria (=Diomedea) albatrus</i>	E	Washington	Bird
Murrelet, Marbled	<i>Brachyramphus marmoratus</i>	T	Washington	Bird
Owl, Northern Spotted	<i>Strix occidentalis caurina</i>	T	Washington	Bird
Plover, Western Snowy	<i>Charadrius alexandrinus nivosus</i>	T	Washington	Bird
Checker-mallow, Wenatchee Mountains	<i>Sidalcea oregana var. calva</i>	E	Washington	Dicot
Lomatium, Bradshaw's	<i>Lomatium bradshawii</i>	E	Washington	Dicot
Sandwort, Marsh	<i>Arenaria paludicola</i>	E	Washington	Dicot
Stickseed, Showy	<i>Hackelia venusta</i>	E	Washington	Dicot
Catchfly, Spalding's	<i>Silene spaldingii</i>	T	Washington	Dicot
Checker-mallow, Nelson's	<i>Sidalcea nelsoniana</i>	T	Washington	Dicot
Howellia, Water	<i>Howellia aquatilis</i>	T	Washington	Dicot

INVNAME	SCINAME	Status	STATE NAME	Taxon
Lupine, Kincaid's	<i>Lupinus sulphureus</i> (= <i>oreganus</i>) ssp. <i>kincaidii</i> (= <i>var. kincaidii</i>)	T	Washington	Dicot
Paintbrush, Golden	<i>Castilleja levisecta</i>	T	Washington	Dicot
Rockfish, Bocaccio	<i>Sebastes paucispinis</i>	E	Washington	Fish
Salmon, Sockeye	<i>Oncorhynchus</i> (=Salmo) <i>nerka</i>	E	Washington	Fish
Salmon, Chinook	<i>Oncorhynchus</i> (=Salmo) <i>tshawytscha</i>	E/T	Washington	Fish
Steelhead	<i>Oncorhynchus</i> (=Salmo) <i>mykiss</i>	E/T	Washington	Fish
Trout, Apache	<i>Oncorhynchus apache</i>	T	Washington	Fish
Trout, Bull	<i>Salvelinus confluentus</i>	T	Washington	Fish
Butterfly, Oregon Silverspot	<i>Speyeria zerene hippolyta</i>	T	Washington	Insect
Caribou, Woodland	<i>Rangifer tarandus caribou</i>	E	Washington	Mammal
Deer, Columbian White-tailed	<i>Odocoileus virginianus</i> <i>leucurus</i>	E	Washington	Mammal
Gray Wolf	<i>Canis lupus</i>	E	Washington	Mammal
Killer whale, Southern Resident DPS	<i>Orcinus orca</i>	E	Washington	Mammal
Rabbit, Pygmy	<i>Brachylagus idahoensis</i>	E	Washington	Mammal
Whale, Blue	<i>Balaenoptera musculus</i>	E	Washington	Mammal
Whale, Gray	<i>Eschrichtius robustus</i>	E	Washington	Mammal
Bear, Grizzly	<i>Ursus arctos horribilis</i>	T	Washington	Mammal
Lynx, Canada	<i>Lynx canadensis</i>	T	Washington	Mammal

INVNAME	SCINAME	Status	STATE NAME	Taxon
Ladies'-tresses, Ute	<i>Spiranthes diluvialis</i>	T	Washington	Monocot
Sea turtle, leatherback	<i>Dermochelys coriacea</i>	E	Washington	Reptile
Sea turtle, green	<i>Chelonia mydas</i>	E/T	Washington	Reptile
Salamander, Cheat Mountain	<i>Plethodon nettingi</i>	T	West Virginia	Amphibian
Fanshell	<i>Cyprogenia stegaria</i>	E	West Virginia	Bivalve
Mucket, Pink (Pearlymussel)	<i>Lampsilis abrupta</i>	E	West Virginia	Bivalve
Mussel, Clubshell	<i>Pleurobema clava</i>	E	West Virginia	Bivalve
Mussel, snuffbox	<i>Epioblasma triquetra</i>	E	West Virginia	Bivalve
Pearlymussel, Tubercled-blossom	<i>Epioblasma torulosa torulosa</i>	E	West Virginia	Bivalve
Riffleshell, Northern	<i>Epioblasma torulosa rangiana</i>	E	West Virginia	Bivalve
Spinymussel, James River	<i>Pleurobema collina</i>	E	West Virginia	Bivalve
Isopod, Madison Cave	<i>Antrolana lira</i>	T	West Virginia	Crustacean
Clover, Running Buffalo	<i>Trifolium stoloniferum</i>	E	West Virginia	Dicot
Harperella	<i>Ptilimnium nodosum</i>	E	West Virginia	Dicot
Rock-cress, Shale Barren	<i>Arabis serotina</i>	E	West Virginia	Dicot
Spiraea, Virginia	<i>Spiraea virginiana</i>	T	West Virginia	Dicot
Snail, Flat-spined Three-toothed	<i>Triodopsis platysayoides</i>	T	West Virginia	Gastropod
Bat, Indiana	<i>Myotis sodalis</i>	E	West Virginia	Mammal
Bat, Virginia Big-eared	<i>Corynorhinus (=Plecotus) townsendii virginianus</i>	E	West Virginia	Mammal

INVNAME	SCINAME	Status	STATE NAME	Taxon
Puma (=Cougar), Eastern	<i>Puma (=Felis) concolor (all subsp. except coryi)</i>	E	West Virginia	Mammal
Squirrel, Virginia Northern Flying	<i>Glaucomys sabrinus fuscus</i>	E	West Virginia	Mammal
Bulrush, Northeastern (=Barbed Bristle)	<i>Scirpus ancistrochaetus</i>	E	West Virginia	Monocot
Pogonia, Small Whorled	<i>Isotria medeoloides</i>	T	West Virginia	Monocot
Warbler (=Wood), Kirtland's	<i>Dendroica kirtlandii</i>	E	Wisconsin	Bird
Plover, Piping	<i>Charadrius melodus</i>	E/T	Wisconsin	Bird
Mussel, snuffbox	<i>Epioblasma triquetra</i>	E	Wisconsin	Bivalve
Mussel, Winged Mapleleaf	<i>Quadrula fragosa</i>	E	Wisconsin	Bivalve
Pearlymussel, Higgins' Eye	<i>Lampsilis higginsii</i>	E	Wisconsin	Bivalve
Sheepnose mussel	<i>Plethobasus cyphus</i>	E	Wisconsin	Bivalve
Spectaclecase mussel	<i>Cumberlandia monodonta</i>	E	Wisconsin	Bivalve
Clover, Prairie Bush	<i>Lespedeza leptostachya</i>	T	Wisconsin	Dicot
Locoweed, Fassett's	<i>Oxytropis campestris var. chartacea</i>	T	Wisconsin	Dicot
Milkweed, Mead's	<i>Asclepias meadii</i>	T	Wisconsin	Dicot
Monkshood, Northern Wild	<i>Aconitum noveboracense</i>	T	Wisconsin	Dicot
Thistle, Pitcher's	<i>Cirsium pitcheri</i>	T	Wisconsin	Dicot
Butterfly, Karner Blue	<i>Lycaeides melissa samuelis</i>	E	Wisconsin	Insect
Dragonfly, Hine's Emerald	<i>Somatochlora hineana</i>	E	Wisconsin	Insect
Gray Wolf	<i>Canis lupus</i>	E	Wisconsin	Mammal

INVNAME	SCINAME	Status	STATE NAME	Taxon
Lynx, Canada	<i>Lynx canadensis</i>	T	Wisconsin	Mammal
Iris, Dwarf Lake	<i>Iris lacustris</i>	T	Wisconsin	Monocot
Orchid, Eastern Prairie Fringed	<i>Platanthera leucophaea</i>	T	Wisconsin	Monocot
Toad, Wyoming	<i>Bufo baxteri</i> (=hemiophrys)	E	Wyoming	Amphibian
Crane, Whooping	<i>Grus americana</i>	E	Wyoming	Bird
Tern, Interior (population) Least	<i>Sterna antillarum</i>	E	Wyoming	Bird
Plover, Piping	<i>Charadrius melodus</i>	E/T	Wyoming	Bird
Penstemon, Blowout	<i>Penstemon haydenii</i>	E	Wyoming	Dicot
Butterfly Plant, Colorado	<i>Gaura neomexicana</i> var. <i>coloradensis</i>	T	Wyoming	Dicot
Yellowhead, Desert	<i>Yermo xanthocephalus</i>	T	Wyoming	Dicot
Chub, Bonytail	<i>Gila elegans</i>	E	Wyoming	Fish
Chub, Humpback	<i>Gila cypha</i>	E	Wyoming	Fish
Squawfish, Colorado	<i>Ptychocheilus lucius</i>	E	Wyoming	Fish
Sturgeon, Pallid	<i>Scaphirhynchus albus</i>	E	Wyoming	Fish
Sucker, Razorback	<i>Xyrauchen texanus</i>	E	Wyoming	Fish
Ferret, Black-footed	<i>Mustela nigripes</i>	E	Wyoming	Mammal
Lynx, Canada	<i>Lynx canadensis</i>	T	Wyoming	Mammal
Mouse, Preble's Meadow Jumping	<i>Zapus hudsonius preblei</i>	T	Wyoming	Mammal
Ladies'-tresses, Ute	<i>Spiranthes diluvialis</i>	T	Wyoming	Monocot
Orchid, Western Prairie Fringed	<i>Platanthera praeclara</i>	T	Wyoming	Monocot