



Billing Code 4333–15

DEPARTMENT OF THE INTERIOR

Fish and Wildlife Service

[FWS–R1–ES–2019–N163; FXES11130100000C4–201–FF01E00000]

Endangered and Threatened Wildlife and Plants; Initiation of 5-Year Status

Reviews for 129 Species in Oregon, Washington, Idaho, Hawaii, Montana, California, and Nevada

AGENCY: Fish and Wildlife Service, Interior.

ACTION: Notice of initiation of reviews; request for information.

SUMMARY: We, the U.S. Fish and Wildlife Service, are initiating 5-year status reviews for 129 species in Oregon, Washington, Idaho, Hawaii, Montana, California, and Nevada under the Endangered Species Act of 1973. A 5-year status review is based on the best scientific and commercial data available at the time of the review; therefore, we are requesting submission of any new information on these species that has become available since the last reviews.

DATES: To ensure consideration in our reviews, we are requesting submission of new information no later than **[INSERT DATE 60 DAYS AFTER THE DATE OF PUBLICATION IN THE *FEDERAL REGISTER*]**. However, we will continue to accept new information about any species at any time.

ADDRESSES: *Submitting Information on Species:*

- **Gentner’s fritillary:**
 - *U.S. mail:* State Supervisor, Attention: 5-Year Review, U.S. Fish and Wildlife Service, Oregon Fish and Wildlife Office, 2600 SE 98th Ave., Suite 100, Portland, OR 97266; or
 - *Email:* fw1ofwo@fws.gov.

- **Bull trout, MacFarlane’s four-o’clock, and slickspot peppergrass:**
 - *U.S. mail:* Project Leader, Attention: 5-Year Review, U.S. Fish and Wildlife Service, Idaho Fish and Wildlife Office, 1387 S. Vinnell Way, Suite 368, Boise, ID 83709; or
 - *Email:* ifwo@fws.gov.
- **Any of the 125 species occurring in Hawaii:**
 - *U.S. mail:* Field Supervisor, Attention: 5-Year Review, U.S. Fish and Wildlife Service, Pacific Islands Fish and Wildlife Office, 300 Ala Moana Blvd., Room 3-122, Honolulu, HI 96850; or
 - *Email:* pifwo_admin@fws.gov.

FOR FURTHER INFORMATION CONTACT: Individuals who are hearing impaired or speech impaired may call the Federal Relay Service at 800–877–8339 for TTY assistance. For information about the various species, contact the following people.

- **Gentner’s fritillary:** Jeff Dillon, Oregon Fish and Wildlife Office, 503–231–6179.
- **Bull trout, MacFarlane’s four-o’clock, and slickspot peppergrass:** Kathleen Hendricks, Idaho Fish and Wildlife Office, 208–378–5243.
- **Any of the 125 species occurring in Hawaii:** Megan Laut, Pacific Islands Fish and Wildlife Office, 808–792–9400.

SUPPLEMENTARY INFORMATION:

Why Do We Conduct 5-Year Status Reviews?

Under the Endangered Species Act of 1973, as amended (Act; 16 U.S.C. 1531, *et seq.*), we maintain lists of endangered and threatened wildlife and plant species (referred to as the List) in the Code of Federal Regulations (CFR) at 50 CFR 17.11 (for wildlife) and 17.12 (for plants).

Section 4(c)(2) of the Act requires us to review each listed species' status at least once every 5 years. For additional information about 5-year status reviews, refer to our factsheet at <http://www.fws.gov/endangered/what-we-do/recovery-overview.html>.

What Information Do We Consider in Our Review?

A 5-year status review considers all new information available at the time of the review. In conducting these reviews, we consider the best scientific and commercial data that have become available since the listing determination or most recent status reviews, such as:

- A. Species biology, including but not limited to population trends, distribution, abundance, demographics, and genetics;
- B. Habitat conditions, including but not limited to amount, distribution, and suitability;
- C. Conservation measures that have been implemented that benefit the species;
- D. Threat status and trends in relation to the five listing factors (as defined in section 4(a)(1) of the Act); and
- E. Other new information, data, or corrections, including but not limited to taxonomic or nomenclatural changes, identification of erroneous information contained in the List, and improved analytical methods.

Any new information will be considered during the 5-year status review and will also be useful in evaluating the ongoing recovery programs for these species.

Which Species Are Under Review?

This notice announces our active review of the 129 species listed in the table below.

Common Name	Scientific Name	Status	Known Range of Species Occurrence	Final Listing Rule and Publication Date
ANIMALS				
<i>Birds</i>				
Millerbird, Nihoa	<i>Acrocephalus familiaris kingi</i>	Endangered	Hawaii	32 FR 4001, 3/11/1967.
Duck, Laysan	<i>Anas laysanensis</i>	Endangered	Hawaii	32 FR 4001, 3/11/1967.
Akekee	<i>Loxops caeruleirostris</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
Akikiki	<i>Oreomystis bairdi</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
Petrel, Hawaiian	<i>Pterodroma sandwichensis</i>	Endangered	Hawaii	32 FR 4001, 3/11/1967.
Finch, Laysan	<i>Telespyza cantans</i>	Endangered	Hawaii	32 FR 4001, 3/11/1967.
Finch, Nihoa	<i>Telespyza ultima</i>	Endangered	Hawaii	32 FR 4001, 3/11/1967.
<i>Fishes</i>				
Trout, bull (coterminous U.S. distinct population segment)	<i>Salvelinus confluentus</i>	Threatened	Washington, Oregon, Idaho, Nevada, Montana	64 FR 58910, 11/01/1999.
<i>Snails</i>				
Snail, Newcomb's	<i>Erinna newcombi</i>	Threatened	Hawaii	65 FR 4162, 1/26/2000.
<i>Arachnids</i>				
Spider, Kauai cave wolf or pee pee maka ole	<i>Adelocosa anops</i>	Endangered	Hawaii	65 FR 2348, 1/14/2000.
<i>Crustaceans</i>				
Amphipod, Kauai cave	<i>Spelaeorchestia koloana</i>	Endangered	Hawaii	65 FR 2348, 1/14/2000.
<i>Insects</i>				
Fly, Hawaiian picture-wing	<i>Drosophila musaphilia</i>	Endangered	Hawaii	71 FR 26835, 5/9/2006.

Common Name	Scientific Name	Status	Known Range of Species Occurrence	Final Listing Rule and Publication Date
Fly, Hawaiian picture-wing	<i>Drosophila sharpi</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
PLANTS				
<i>Flowering Plants</i>				
No common name	<i>Amaranthus brownii</i>	Endangered	Hawaii	61 FR 43178, 8/21/1996.
Painiu	<i>Astelia waialealae</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
Olulu	<i>Brighamia insignis</i>	Endangered	Hawaii	59 FR 9304, 2/25/1994.
Awikiwiki	<i>Canavalia napaliensis</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
Papala	<i>Charpentiera densiflora</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
Haha	<i>Cyanea asarifolia</i>	Endangered	Hawaii	59 FR 9304, 2/25/1994.
Haha	<i>Cyanea dolichopoda</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
Haha	<i>Cyanea eleleensis</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
Haha	<i>Cyanea kolekoleensis</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
Haha	<i>Cyanea kuhlhewa</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
Haha	<i>Cyanea recta</i>	Threatened	Hawaii	61 FR 53070, 10/10/1996.
Haha	<i>Cyanea remyi</i>	Endangered	Hawaii	61 FR 53070, 10/10/1996.
Haha	<i>Cyanea rivularis</i>	Endangered	Hawaii	61 FR 53070, 10/10/1996.
No common name	<i>Cyanea undulata</i>	Endangered	Hawaii	56 FR 47695, 9/20/1991.
Mapele	<i>Cyrtandra cyaneoides</i>	Endangered	Hawaii	61 FR 53070, 10/10/1996.
Haiwale	<i>Cyrtandra limahuliensis</i>	Threatened	Hawaii	59 FR 9304, 2/25/1994.
Haiwale	<i>Cyrtandra oenobarba</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
Haiwale	<i>Cyrtandra paliku</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.

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No common name	<i>Delissea rhytidosperma</i>	Endangered	Hawaii	59 FR 9304, 2/25/1994.
Naenae	<i>Dubautia imbricata</i> ssp. <i>imbricata</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
Naenae	<i>Dubautia kalalauensis</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
Naenae	<i>Dubautia kenwoodii</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
Koholapehu	<i>Dubautia latifolia</i>	Endangered	Hawaii	57 FR 20580, 5/13/1992.
Naenae	<i>Dubautia pauciflorula</i>	Endangered	Hawaii	56 FR 47695, 9/20/1991.
Naenae	<i>Dubautia plantaginea</i> ssp. <i>magnifolia</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
Naenae	<i>Dubautia waialealae</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
Akoko	<i>Euphorbia eleanoriae</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
Akoko	<i>Euphorbia haeleeleana</i>	Endangered	Hawaii	61 FR 53108, 10/10/1996.
Akoko	<i>Euphorbia halemanui</i>	Endangered	Hawaii	57 FR 20850, 5/13/1992.
Akoko	<i>Euphorbia remyi</i> var. <i>kauaiensis</i>	Endangered	Hawaii	76 FR 15609, 5/5/2011.
Akoko	<i>Euphorbia remyi</i> var. <i>remyi</i>	Endangered	Hawaii	76 FR 15609, 5/5/2011.
Heau	<i>Exocarpos luteolus</i>	Endangered	Hawaii	59 FR 9304, 2/25/1994.
Fritillary, Gentner's	<i>Fritillaria gentneri</i>	Endangered	Oregon, California	64 FR 69195, 12/10/1999.
Nohoanu	<i>Geranium kauaiense</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
No common name	<i>Gouania meyenii</i>	Endangered	Hawaii	56 FR 55770, 10/29/1991.
No common name	<i>Hesperomannia lydgatei</i>	Endangered	Hawaii	56 FR 47695, 9/20/1991.
Kauai hau kuahiwi	<i>Hibiscadelphus</i>	Endangered	Hawaii	51 FR 15903,

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	<i>distans</i>			4/29/1986.
Hau kuahiwi	<i>Hibiscadelphus woodii</i>	Endangered	Hawaii	61 FR 53070, 10/10/1996.
Hibiscus, Clay's	<i>Hibiscus clayi</i>	Endangered	Hawaii	59 FR 9304, 2/25/1994.
Kokio keokeo	<i>Hibiscus waimeae</i> ssp. <i>hannerae</i>	Endangered	Hawaii	61 FR 53070, 10/10/1996.
Aupaka	<i>Isodendrion laurifolium</i>	Endangered	Hawaii	61 FR 53108, 10/10/1996.
No common name	<i>Kadua st.-johnii</i>	Endangered	Hawaii	56 FR 49639, 9/30/1991.
No common name	<i>Keysseria erici</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
No common name	<i>Keysseria helenae</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
Koki`o	<i>Kokia kauaiensis</i>	Endangered	Hawaii	61 FR 53070, 10/10/1996.
Kamakahala	<i>Labordia helleri</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
Kamakahala	<i>Labordia lydgatei</i>	Endangered	Hawaii	56 FR 47695, 9/20/1991.
Kamakahala	<i>Labordia pumila</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
Kamakahala	<i>Labordia tinifolia</i> var. <i>wahiawaensis</i>	Endangered	Hawaii	61 FR 53070, 10/10/1996.
Peppergrass, Slickspot	<i>Lepidium papilliferum</i>	Threatened	Idaho	81 FR 55058, 8/17/2016.
Nehe	<i>Lipochaeta fauriei</i>	Endangered	Hawaii	59 FR 9304, 2/25/1994.
Nehe	<i>Lipochaeta micrantha</i>	Endangered	Hawaii	59 FR 9304, 2/25/1994.
Nehe	<i>Lipochaeta waimeaensis</i>	Endangered	Hawaii	59 FR 9304, 2/25/1994.
No common name	<i>Lobelia niihauensis</i>	Endangered	Hawaii	56 FR 55770, 10/29/1991.
Lehua makanoe	<i>Lysimachia daphnoides</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.

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No common name	<i>Lysimachia filifolia</i>	Endangered	Hawaii	59 FR 9304, 2/25/1994.
No common name	<i>Lysimachia iniki</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
No common name	<i>Lysimachia pendens</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
No common name	<i>Lysimachia scopulensis</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
No common name	<i>Lysimachia venosa</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
Alani	<i>Melicope degeneri</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
Alani	<i>Melicope haupuensis</i>	Endangered	Hawaii	59 FR 9304, 2/25/1994.
Alani	<i>Melicope pallida</i>	Endangered	Hawaii	59 FR 9304, 2/25/1994.
Alani	<i>Melicope paniculata</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
Alani	<i>Melicope puberula</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
Alani	<i>Melicope quadrangularis</i>	Endangered	Hawaii	59 FR 9304, 2/25/1994.
Four-o'clock, MacFarlane's	<i>Mirabilis macfarlanei</i>	Threatened	Oregon, Idaho	44 FR 61912, 10/26/1979.
Kolea	<i>Myrsine knudsenii</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
Kolea	<i>Myrsine linearifolia</i>	Threatened	Hawaii	61 FR 53070, 10/10/1996.
Kolea	<i>Myrsine mezii</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
Aiea	<i>Nothocestrum peltatum</i>	Endangered	Hawaii	59 FR 9304, 2/25/1994.
Lau ehu	<i>Panicum niihauense</i>	Endangered	Hawaii	61 FR 53108, 10/10/1996.
No common name	<i>Phyllostegia knudsenii</i>	Endangered	Hawaii	61 FR 53070, 10/10/1996.
No common name	<i>Phyllostegia renovans</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
No common name	<i>Phyllostegia waimeae</i>	Endangered	Hawaii	59 FR 9304, 2/25/1994.

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No common name	<i>Phyllostegia wawrana</i>	Endangered	Hawaii	61 FR 53070, 10/10/1996.
Hoawa	<i>Pittosporum napaliense</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
Pilo kea lau lii	<i>Platydesma rostrata</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
Bluegrass, Mann's	<i>Poa mannii</i>	Endangered	Hawaii	59 FR 56330, 11/10/1994.
Bluegrass, Hawaiian	<i>Poa sandvicensis</i>	Endangered	Hawaii	57 FR 20580, 5/13/1992.
No common name	<i>Poa siphonoglossa</i>	Endangered	Hawaii	57 FR 20580, 5/13/1992.
No common name	<i>Polyscias bisattenuata</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
No common name	<i>Polyscias flynnii</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
No common name	<i>Polyscias racemosa</i>	Endangered	Hawaii	59 FR 9304, 2/25/1994.
Loulu	<i>Pritchardia hardyi</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
Loulu	<i>Pritchardia napaliensis</i>	Endangered	Hawaii	61 FR 53070, 10/10/1996.
Loulu	<i>Pritchardia remota</i>	Endangered	Hawaii	61 FR 43178, 8/21/1996.
Loulu	<i>Pritchardia viscosa</i>	Endangered	Hawaii	61 FR 53070, 10/10/1996.
Kopiko	<i>Psychotria grandiflora</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
Kopiko	<i>Psychotria hobdyi</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
Kaulu	<i>Pteralyxia kauaiensis</i>	Endangered	Hawaii	59 FR 9304, 2/25/1994.
No common name	<i>Remya kauaiensis</i>	Endangered	Hawaii	56 FR 1450, 1/14/1991.
No common name	<i>Remya montgomeryi</i>	Endangered	Hawaii	56 FR 1450, 1/14/1991.
Maolioli	<i>Schiedea apokremnos</i>	Endangered	Hawaii	56 FR 49639, 9/30/1991.
No common name	<i>Schiedea attenuata</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.

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No common name	<i>Schiedea helleri</i>	Endangered	Hawaii	61 FR 53070, 10/10/1996.
No common name	<i>Schiedea kauaiensis</i>	Endangered	Hawaii	61 FR 53108, 10/10/1996.
Kuawawaenohu	<i>Schiedea lychnoides</i>	Endangered	Hawaii	61 FR 53070, 10/10/1996.
No common name	<i>Schiedea membranacea</i>	Endangered	Hawaii	61 FR 53070, 10/10/1996.
No common name	<i>Schiedea spergulina</i> var. <i>leiopoda</i>	Endangered	Hawaii	59 FR 9304, 2/25/1994.
No common name	<i>Schiedea spergulina</i> var. <i>spergulina</i>	Threatened	Hawaii	59 FR 9304, 2/25/1994.
Laulihilihi	<i>Schiedea stellarioides</i>	Endangered	Hawaii	61 FR 53070, 10/10/1996.
No common name	<i>Schiedea verticillata</i>	Endangered	Hawaii	61 FR 43178, 8/21/1996.
No common name	<i>Schiedea viscosa</i>	Endangered	Hawaii	61 FR 53070, 10/10/1996.
Aiakeakua, popolo	<i>Solanum sandwicense</i>	Endangered	Hawaii	59 FR 9304, 2/25/1994.
No common name	<i>Stenogyne campanulata</i>	Endangered	Hawaii	57 FR 20580, 5/13/1992.
No common name	<i>Stenogyne kealiae</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
No common name	<i>Viola helenae</i>	Endangered	Hawaii	56 FR 47695, 9/20/1991.
Nani waialeale	<i>Viola kauaiensis</i> var. <i>wahiawaensis</i>	Endangered	Hawaii	61 FR 53070, 10/10/1996.
Iliau, dwarf	<i>Wilkesia hobdyi</i>	Endangered	Hawaii	57 FR 27859, 6/22/1992.
No common name	<i>Xylosma crenatum</i>	Endangered	Hawaii	57 FR 20580, 5/13/1992.
Ferns				
No common name	<i>Asplenium dielmannii</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
No common name	<i>Asplenium dielpallidum</i>	Endangered	Hawaii	59 FR 9304, 2/25/1994.

Common Name	Scientific Name	Status	Known Range of Species Occurrence	Final Listing Rule and Publication Date
No common name	<i>Doryopteris angelica</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
Aumakua, Palapalai	<i>Dryopteris crinalis</i> var. <i>podosorus</i>	Endangered	Hawaii	75 FR 18960, 4/13/2010.
Wawaeiole	<i>Huperzia nutans</i>	Endangered	Hawaii	59 FR 14482, 3/28/1994.

Request for New Information

To ensure that a 5-year status review is complete and based on the best available scientific and commercial information, we request new information from all sources. See **What Information Do We Consider in Our Review?** for specific criteria. If you submit information, please support it with documentation such as maps, references, methods used to gather and analyze the data, and/or copies of any pertinent publications, reports, or letters by knowledgeable sources.

If you wish to provide information for any species listed in the table, please submit your comments and materials to the appropriate contact in **ADDRESSES**.

Public Availability of Comments

Before including your address, phone number, email address, or other personal identifying information in your comment, you should be aware that your entire comment—including your personal identifying information—may be made publicly available at any time. While you can ask us in your comment to withhold your personal identifying information from public review, we cannot guarantee that we will be able to do so.

Comments and materials received will be available for public inspection, by appointment, during normal business hours at the offices to which the comments are submitted.

Completed and Active Reviews

A list of all completed and currently active 5-year status reviews addressing species for which our Regional Office has lead responsibility is available at <http://www.fws.gov/pacific/ecoservices/endangered/recovery/5year.html>.

Authority

This document is published under the authority of the Endangered Species Act of 1973, as amended (16 U.S.C. 1531, *et seq.*).

Mary M. Abrams,

Acting Regional Director,

U.S. Fish and Wildlife Service.

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