



# **Biological Assessment for the Proposed Issuance and Reissuance of the 2021 Nationwide Permits**

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# **Biological Assessment for the Proposed Issuance and Reissuance of the 2021 Nationwide Permits**

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## 1.0 Proposed Action

### 1.1 Introduction

Section 404(e) of the Clean Water Act provides the statutory authority for the Secretary of the Army, after notice and opportunity for public hearing, to issue general permits on a nationwide or regional basis for any category of activities involving discharges of dredged or fill material into waters of the United States for a period of no more than five years after the date of issuance (33 U.S.C. § 1344 (e)). Nationwide permits (NWP) are a type of general permit issued by the Chief of Engineers and are designed to regulate with little, if any, delay or paperwork certain activities in federally jurisdictional waters and wetlands that have no more than minimal adverse environmental impacts (see 33 CFR 330.1(b)). The categories of activities authorized by NWP must be similar in nature, cause only minimal adverse environmental effects when performed separately, and have only minimal cumulative adverse effect on the environment (see 33 U.S.C. § 1344(e)(1)). Nationwide permits can be issued for a period of no more than 5 years (33 U.S.C. 1344(e)(2)), and the U.S. Army Corps of Engineers (Corps) has the authority to modify or revoke the NWP before they expire. Nationwide permits can also be issued to authorize categories of activities pursuant to Section 10 of the Rivers and Harbors Act of 1899, as long as those activities are substantially similar in nature and cause only minimal individual and cumulative environmental impacts (see 33 CFR 322.2(f)).

This biological assessment has been prepared for the issuance or reissuance of the NWP, which is a rulemaking activity under the Administrative Procedure Act (5 U.S.C. 553). This biological assessment does not address activity-specific NWP authorizations or NWP authorizations where regional programmatic Endangered Species Act (ESA) section 7 consultations may be used for ESA-compliance for individual activities authorized by NWP.

The U.S. Fish and Wildlife Service's (U.S. FWS) and National Marine Fisheries Service's (NMFS) regulations for ESA section 7 consultations at 50 CFR 402.12(f) identify the items that may be included in biological assessments:

- (1) The results of an on-site inspection of the area affected by the action to determine if listed or proposed species are present or occur seasonally.
- (2) The views of recognized experts on the species at issue.
- (3) A review of the literature and other information.

(4) An analysis of the effects of the action on the species and habitat, including consideration of cumulative effects, and the results of any related studies.

(5) An analysis of alternate actions considered by the Federal agency for the proposed action.

This biological assessment does not include items 1, 2, and 5 because the issuance or reissuance of the NWP through the rulemaking process does not include any specific sites in which proposed NWP activities are expected to occur. Alternatives are not considered in this biological assessment because alternatives to issuing or reissuing the NWP are considered during the rulemaking process. This biological assessment includes a general discussion of cumulative effects, and discusses studies that examined cumulative effects to endangered and threatened species and their critical habitats.

## ***1.2 Description of the Proposed Action***

The proposed action is the issuance and reissuance of NWP to authorize various categories of activities under Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403) and Section 404 of the Clean Water Act (33 U.S.C. 1344). The NWP are issued by Corps Headquarters to authorize activities across the country that result in no more than minimal individual and cumulative adverse environmental effects. The issuance and reissuance of the NWP is a rulemaking activity subject to the Administrative Procedure Act.

After Corps Headquarters issues or reissues the NWP, Corps division engineers may add regional conditions to one or more NWP to restrict or prohibit their use in a particular region (e.g., a Corps district, state, county, watershed or other geographic region). For specific activities authorized by NWP, Corps district engineers may add conditions to the NWP authorization to avoid or minimize adverse environmental effects or require compensatory mitigation to offset losses of waters of the United States. A district engineer may also assert discretionary authority and require an individual permit for the proposed activity, if he or she determines the proposed activity will result in more than minimal individual and cumulative adverse environmental effects, after considering mitigation proposed by the applicant to reduce those adverse environmental effects.

On September 15, 2020, the Corps proposed to reissue 52 existing nationwide permits (NWP) and issue five new NWP (see 85 FR 57298). The Corps also proposed to reissue the 32 general conditions that apply to those NWP. The purpose of the NWP Program is to regulate with little, if any, delay or paperwork certain activities having

minimal impacts (33 CFR 330.1(b)). The Corps issues NWP's under the authorities of Section 404(e) of the Clean Water Act (33 U.S.C. 1344) and Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403).

The purpose of this biological assessment is to evaluate the potential effects of the proposed action (i.e., the issuance or reissuance of the NWP's through the rulemaking process) on listed and proposed species and designated and proposed critical habitat and determine whether any such species or habitat are likely to be adversely affected by this proposed action. This biological assessment will be used to determine whether formal section 7 consultation or a conference is necessary for this proposed action.

### ***1.3 Activities Not Included in the Proposed Action***

The proposed action does not include individual, site-specific activities authorized by the NWP's after the final NWP's are issued by Corps Headquarters through the rulemaking process and those NWP's go into effect. Endangered Species Act compliance for individual, site-specific activities authorized by NWP's is addressed through NWP general condition 18 and 33 CFR 330.4(f), and through activity-specific section 7 consultations or the use of regional programmatic section 7 consultations.

The proposed action does not include activities authorized by other types of Department of the Army (DA) permits, including standard individual permits, letters of permission, regional general permits, and programmatic general permits. In addition, the proposed action does not include unauthorized activities, including activities that fall within any of the categories of activities that could be authorized by the proposed NWP's, but would not be authorized by any of those NWP's because the project proponent did not comply with NWP general condition 18, endangered species, plus any other applicable NWP general condition, regional condition, or case-specific condition. Actions to resolve unauthorized activities are separate and independent from this proposed action and would likely involve ESA section 7 consultation with the U.S. FWS and/or NMFS when necessary for corrective actions undertaken to resolve unauthorized activities.

### ***1.4 Action Area***

The action area for this biological assessment consists of the land and waters in the United States, its territories, and its possessions (which includes American Samoa, Baker Island, Guam, Howland Island, Jarvis Island, Johnston Atoll, Midway Islands, Navassa Island, the Commonwealth of the Northern Mariana Islands, Palmyra Atoll,

Puerto Rico, the U.S. Virgin Islands, and Wake Island). The action area includes marine and estuarine waters out to the limits of the territorial seas of the United States, its territories and its possessions. The action area also includes federal waters on the outer continental shelf, where the Corps regulates the construction of artificial islands, installations, and other devices on the seabed, to the seaward limit of the outer continental shelf.

## **2.0 The Corps' Nationwide Permit Program**

### **2.1 Background**

Under its regulatory program, the Corps administers three laws: Section 404 of the Clean Water Act (33 U.S.C. 1344), Section 9 and 10 of the Rivers and Harbors Act of 1899 ((33 U.S.C. 401 and 403), and Section 103 of the Marine Protection, Research, and Sanctuaries Act of 1972, as amended (33 U.S.C. 1413). Under Section 404 of the Clean Water Act, DA authorization is required to discharge dredged or fill material into waters of the United States. Under Section 9 of the Rivers and Harbors Act of 1899, DA authorization is required to construct dams or dikes across navigable waters of the United States. The obstruction or alteration of a navigable water of the United States requires DA authorization under Section 10 of the Rivers and Harbors Act of 1899. Under Section 103 of the Marine Protection, Research, and Sanctuaries Act of 1972, as amended, DA authorization is required to transport dredged material for disposal into ocean waters.

Nationwide permits (NWP) are a type of general permit issued by the Chief of Engineers and are designed to regulate with little, if any, delay or paperwork certain activities having minimal impacts. The NWP are proposed, issued, modified, reissued, and revoked from time to time after an opportunity for public notice and comment. Proposed NWP or modifications to or reissuance of existing NWP will be adopted only after the Corps gives notice and allows the public an opportunity to comment on and request a public hearing regarding the proposals. The Corps gives full consideration to all comments received prior to reaching a final decision.

Nationwide permits may be issued under the Corps Regulatory Program's two primary statutory authorities: Section 404 of the Clean Water Act and/or Section 10 of the Rivers and Harbors Act of 1899. The proposed 2021 NWP authorize activities under Section 404 of the Clean Water Act and Section 10 of the Rivers and Harbors Act of 1899. None of the proposed NWP authorize activities under Section 103 of the Marine Protection, Research, and Sanctuaries Act of 1972, as amended.

Nationwide permits were first issued by the Corps in 1977 (42 FR 37122) to authorize categories of activities that have minimal adverse effects on the aquatic environment, and streamline the authorization process for those minor activities. The Corps has issued or reissued NWP in 1982 (47 FR 31794), 1984 (49 FR 39478), 1986 (51 FR 41206), 1991 (56 FR 59110), 1995 (60 FR 38650), 1996 (61 FR 65874), 2000 (65 FR 12818), 2002 (67 FR 2020), 2007 (72 FR 11092), 2012 (77 FR 10184), and 2017 (82 FR 1860).

Similar to the evaluations the Corps conducts for permit applications for site-specific activity-specific standard individual permits, during the rulemaking process for the issuance or reissuance of the NWP, the Corps considers: (1) the potential environmental effects of the issuance or reissuance of the NWP and general conditions under the National Environmental Policy Act; and (2) the public interest factors required by the Corps' regulations at 33 CFR 320.4(a)(1) and (2). For those NWP that authorize discharges of dredged or fill material into waters of the United States, the Corps conducts the analyses required by the Clean Water Act Section 404(b)(1) Guidelines at 40 CFR Part 230. The Corps completes these evaluations before it issues or reissues NWP. As a result of completing these analyses at the nationwide level prior to specific activities being authorized by NWP, prospective NWP users realize a more streamlined process for specific activities authorized by the NWP.

The convenience and time savings associated with the NWP encourages users of the NWP to minimize their proposed impacts to waters of the United States and design their projects within the scope of the NWP rather than apply for individual permits for activities which could result in greater adverse impacts to the aquatic environment. The minimization encouraged by the issuance of an NWP, as well as compensatory mitigation that may be required for specific activities authorized by an NWP, helps reduce adverse environmental effects to jurisdictional waters and wetlands, as well as listed species, species proposed for listing, designated critical habitat, and critical habitat proposed for such designation under U.S. FWS and NMFS jurisdiction. Designing proposed projects to minimize impacts such that they meet the requirements of an NWP is not a reflection or indication of statutory or regulatory non-compliance.

The authority to issue NWP was delegated to the Chief of Engineers by the Assistant Secretary of the Army (Civil Works). The current regulations for implementing the NWP Program were issued on November 22, 1991 (56 FR 59110). Those regulations also contain procedures where Corps divisions and district engineers can modify, suspend, or revoke NWP. Section 330.4(f) of the Corps' regulations addresses compliance of the NWP Program with the ESA:

(f) *Endangered species.* No activity is authorized by any NWP if that activity is likely to jeopardize the continued existence of a threatened or endangered species as listed or proposed for listing under the Federal Endangered Species Act (ESA), or to destroy or adversely modify the critical habitat of such species.

(1) Federal agencies should follow their own procedures for complying with the requirements of the ESA.

(2) Non-federal permittees shall notify the DE if any Federally listed (or proposed for listing) endangered or threatened species or critical habitat might be affected or is in the vicinity of the project. In such cases, the prospective permittee will not begin work under authority of the NWP until notified by the district engineer that the requirements of the Endangered Species Act have been satisfied and that the activity is authorized. If the DE determines that the activity may affect any Federally listed species or critical habitat, the DE must initiate section 7 consultation in accordance with the ESA. In such cases, the DE may:

(i) Initiate section 7 consultation and then, upon completion, authorize the activity under the NWP by adding, if appropriate, activity-specific conditions; or

(ii) Prior to or concurrent with section 7 consultation, assert discretionary authority (see 33 CFR 330.4(e)) and require an individual permit (see 33 CFR 330.5(d)).

(3) Prospective permittees are encouraged to obtain information on the location of threatened or endangered species and their critical habitats from the U.S. Fish and Wildlife Service, Endangered Species Office, and the National Marine Fisheries Service.

This biological assessment describes the framework in the NWP program for complying with ESA section 7(a)(2). This framework includes the NWP regulations at 33 CFR 330.4(f), NWP general condition 18, the pre-construction notification review process, and the authority of division and district engineers to modify, suspend, or revoke NWP authorizations on a regional or case-by-case basis (see 33 CFR 330.5(c) and (d), respectively).

## ***2.2 The Nationwide Permit Authorization Process***

A project proponent who wants to use one or more NWP(s) to fulfill the requirements for DA authorization for discharges of dredged or fill material into waters of the United States and/or structures or work in navigable waters of the United States must comply with all applicable terms and conditions of the appropriate NWP(s), including any regional conditions imposed by the division engineer and any activity-specific conditions imposed by the district engineer. If the project proponent does not fully comply with all of the applicable terms and conditions of the NWP(s), the activity is not authorized by

NWP (see 33 CFR 330.1(c)) and he or she may be subject to an enforcement action undertaken by the district engineer under the provisions of 33 CFR part 326, if and when the Corps learns about that unauthorized activity.

Some NWPs require the project proponent to submit a PCN prior to commencing the activity authorized by an NWP. Other NWPs do not require pre-construction notification. For the proposed 2021 NWPs, which were published in the *Federal Register* on September 15, 2020 (85 FR 57298) for a 60-day comment period, 23 of the proposed NWPs require PCNs for all activities, 14 NWPs require PCNs for some activities, and 20 NWPs do not require PCNs. For those NWPs that do not require PCNs, NWP general conditions such as general condition 18 for endangered species require PCNs for certain activities. For non-federal permittees, NWP general condition 18 requires project proponents to submit pre-construction notifications if any listed species (or species proposed for listing) or designated critical habitat (or critical habitat proposed for such designation) might be affected or is in the vicinity of the project, or if the project is located in designated critical habitat. In such cases, the project proponent is not authorized to begin work on the activity until notified by the district engineer that the requirements of the ESA have been satisfied and that the activity is authorized. The requirements for a complete NWP PCN are listed in paragraph (b) of the “Pre-Construction Notification” general condition (general condition 32).

Many project proponents submit NWP verification requests to Corps districts even though the terms and conditions of the applicable NWPs do not require PCNs, because they seek written confirmation from the Corps that their proposed activities are authorized by NWPs (see 33 CFR 330.6(a)(1)). Such requests for written confirmations from the Corps for NWP activities that do not require PCNs may also be required by state and local government agencies, as conditions of their own authorizations (e.g., local building permits) to conduct those activities in accordance with state laws and local ordinances. These voluntary PCNs provide district engineers an opportunity to determine whether proposed NWP activities may affect listed species (or species proposed for listing) or designated critical habitat (or critical habitat proposed for such designation) and thus require ESA section 7 consultation with the U.S. FWS or NMFS, as appropriate.

After a Corps district receives an NWP PCN or a voluntary written request for an NWP verification, it is reviewed by the district engineer. The district engineer will determine whether the proposed activity qualifies for NWP authorization, and whether the proposed activity may affect listed species or designated critical habitat and thus require ESA section 7 consultation. In accordance with 50 CFR 402.10, the district engineer will confer with the U.S. FWS or NMFS on any proposed NWP activity which is likely to

jeopardize the continued existence of any proposed species or result in the destruction or adverse modification of proposed critical habitat. When determining whether the proposed NWP activity will have “no effect” on listed species or designated critical habitat, or “may affect” listed species or designated critical habitat, the district engineer applies the current ESA section 7 consultation regulations issued by the U.S. FWS and NMFS at 50 CFR part 402.

For non-federal permittees, NWP general condition 18 requires non-federal project proponents to submit PCNs if any ESA listed species (or species proposed for listing) or designated critical habitat (or critical habitat proposed for such designation) might be affected or is in the vicinity of the project, or if the project is located in designated critical habitat or in critical habitat proposed for such designation. In such cases, the non-federal project proponent is not authorized to begin work on the activity until notified by the district engineer that the requirements of the ESA have been satisfied and that the activity is authorized (see 33 CFR 330.4(f)(2) and paragraph (c) of NWP general condition 18).

If the district engineer determines the proposed NWP activity may affect listed species or designated critical habitat, the Corps will notify the project proponent that ESA Section 7 consultation is required (if the project proponent is a non-federal entity) and that the project proponent cannot begin the proposed activity until he or she is notified by the Corps that the requirements of section 7 have been fulfilled. If the district engineer determines that an ESA section 7 conference is required for a proposed NWP activity that may affect species proposed for listing or critical habitat proposed for such designation, he or she will notify the project proponent (if the project proponent is a non-federal entity) and the project proponent cannot begin the proposed activity until notified by the Corps that the requirements of section 7 have been fulfilled.

After ESA section 7 consultation has been completed, the district engineer will add activity-specific conditions to the NWP authorization that are necessary to comply with the ESA and are reasonably enforceable by the Corps (see 33 CFR 325.4(a)). These activity-specific conditions may include mitigation measures that the permittee would be required to implement to avoid the likelihood of adverse effects to listed species or critical habitat, and were necessary to obtain written concurrence from the U.S. FWS or NMFS. For NWP activities requiring formal section 7 consultation, activity-specific conditions added to the NWP authorization may also include reasonable and prudent measures and terms and conditions in an incidental take statement in a biological opinion that apply to the activity authorized by an NWP. The permittee must comply with these activity-specific conditions, as well as any other activity-specific conditions added

to the NWP authorization by the district engineer, plus any applicable NWP general conditions and regional conditions, in order for the NWP authorization to remain valid.

Federal permittees are required to follow their own procedures for compliance with ESA section 7 (see paragraph (b) of NWP general condition 18 and 33 CFR 330.4(f)(1)), and if the proposed NWP activity otherwise requires submittal of a PCN to the Corps, the federal agency's PCN must include documentation demonstrating compliance with the ESA (see paragraph (b)(7) of NWP general condition 32). If the project proponent is a federal agency, the Corps will review that agency's documentation of ESA Section 7 compliance and may accept that compliance for the purposes of the NWP authorization and compliance with general condition 18 and 33 CFR 330.4(f). If the Corps determines that the federal agency's section 7 compliance is not sufficient for the purposes of the NWP's compliance with the ESA, the Corps may request that the federal agency conduct additional ESA section 7 consultation for the proposed NWP activity or take the lead for that section 7 consultation.

If the project proponent does not comply with the requirements of NWP general condition 18, or any other NWP general condition, the activity is not authorized by NWP. If the project proponent does not comply with all applicable terms and conditions of the NWP(s), it is an unauthorized activity and may be subject to a federal enforcement action. If an activity involves unauthorized discharges of dredged or fill material into waters of the United States, an enforcement action may be pursued by the U.S. Environmental Protection Agency (U.S. EPA) or the Corps. For unauthorized structures or work in navigable waters subject to Section 10 of the Rivers and Harbors Act of 1899, and for investigations of non-compliance of activities permitted under Section 404 of the Clean Water Act and/or Section 10 of the Rivers and Harbors Act of 1899, the Corps has the lead for those enforcement actions.

In the Corps Regulatory Program's automated information system (ORM2), the Corps collects data on all individual permit applications, all NWP PCNs, all voluntary requests for NWP verifications where the NWP or general conditions do not require PCNs, and all verifications of activities authorized by regional general permits. For all written NWP verifications issued by Corps districts, district staff record the authorized impacts and required compensatory mitigation in ORM2, as well as information on all consultations conducted under section 7 of the ESA. Every year, the Corps evaluates approximately 35,000 NWP PCNs and requests for NWP verifications for activities that do not require PCNs, and provides written verifications for those activities when district engineers determine those activities result in no more than minimal adverse environmental effects. During the evaluation process, district engineers assess potential impacts to listed species and critical habitat and conduct section 7 consultations whenever they

determine proposed NWP activities “may affect” listed species or critical habitat. District engineers will exercise discretionary authority and require individual permits when proposed NWP activities will result in more than minimal adverse environmental effects. In ORM2, the Corps tracks whether ESA section 7 compliance was achieved through formal consultations, informal consultations, or through the use of regional programmatic consultations.

Each year, for thousands of NWP activities, the Corps conducts ESA section 7 consultations with the U.S. FWS and NMFS for activities authorized by NWPs or uses regional programmatic consultations to comply with ESA section 7(a)(2). These section 7 consultations and the use of regional programmatic consultations are tracked in ORM2. During the period of March 19, 2017, to October 20, 2020, Corps districts conducted 1,294 formal consultations and 8,233 informal consultations under NWP PCNs where the Corps verified that the proposed activities were authorized by NWP. During that time period, the Corps also used regional programmatic consultations for 21,677 NWP verifications to comply with ESA section 7. Therefore, each year an average of 8,700 formal, informal, and programmatic ESA section 7 consultations are conducted between the Corps and the U.S. FWS and/or NMFS in response to NWP PCNs, including those activities that required PCNs under paragraph (c) of general condition 18. For a linear project authorized by NWPs 12 or 14, where the district engineer determines that one or more crossings of waters of the United States that require Corps authorization “may affect” listed species or designated critical habitat, the district engineer initiates a single section 7 consultation with the U.S. FWS and/or NMFS for all of those crossings that he or she determines “may affect” listed species or designated critical habitat. The number of section 7 consultations provided above represents the number of NWP PCNs that required some form of ESA section 7 consultation, not the number of single and complete projects authorized by NWP that may be included in a single PCN. A single NWP PCN may include more than one single and complete project, especially if it is for a linear project such as a utility line or road with multiple separate and distant crossings of jurisdictional waters and wetlands from its point of origin to its terminal point. Therefore, when counting NWP 12 and 14 verifications instead of single and complete projects qualifying for NWP authorization, plus verifications for all other NWPs, approximately 40% of the 21,600 written verifications issued by Corps districts annually that involved formal, informal, or programmatic ESA section 7 consultations.

The locations of NWP activities where the Corps conducted ESA section 7 consultations with the U.S. FWS and/or NMFS or utilized existing regional programmatic consultations for NWP verifications issued during the period of March 19, 2017, to October 20, 2020, are shown in Figures 2-1 and 2-2. The locations of these NWP activities, and the type of

section 7 consultation conducted are tracked in ORM2, and data from ORM2 were used to generate these maps. Figure 2-1 shows the locations of NWP activities with ESA section 7 consultations for listed species under the jurisdiction of the U.S. FWS.

**Figure 2-1. Locations of NWP activities by the Corps from March 19, 2017, to October 20, 2020, where ESA section 7 consultations (formal, informal, and programmatic) were conducted with the U.S. FWS for those NWP activities.**

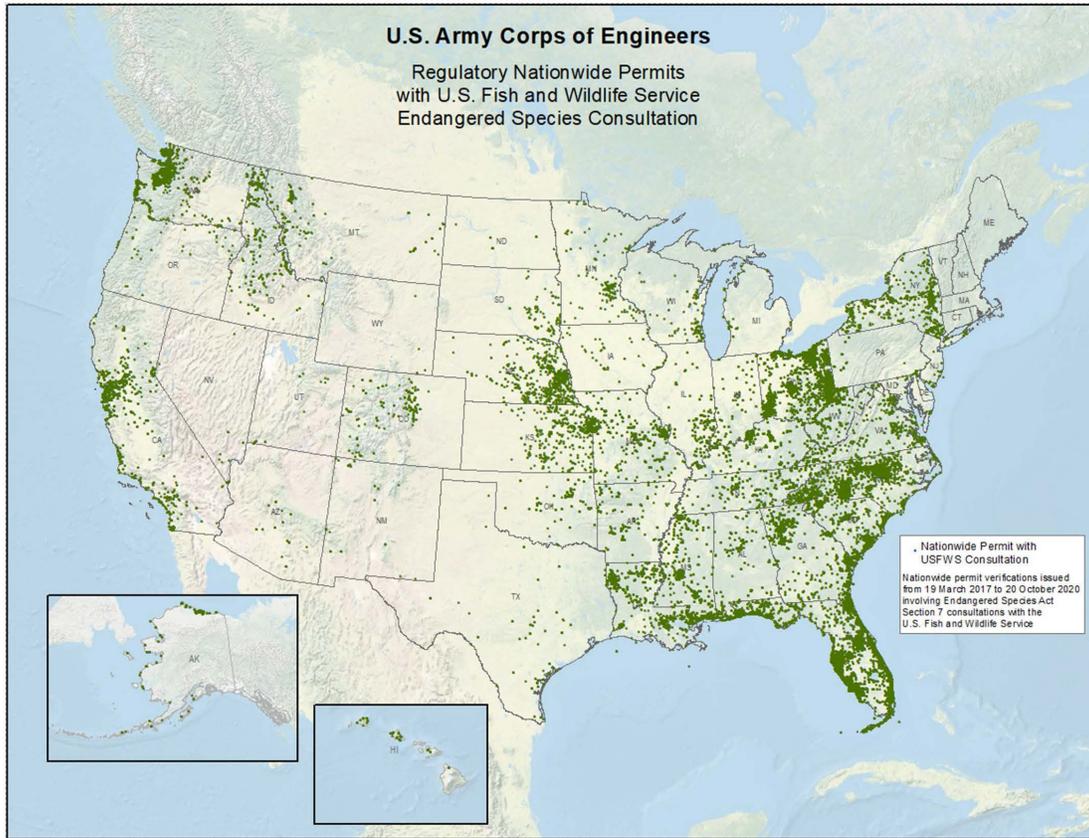
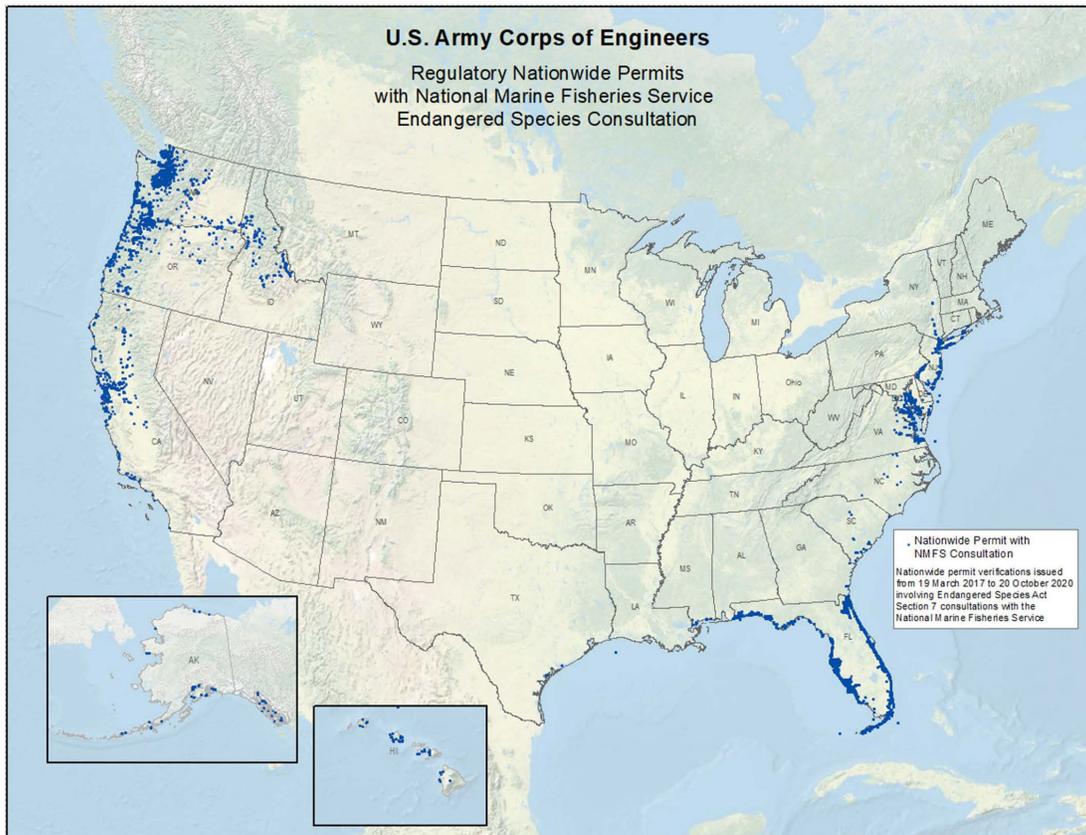


Figure 2-2 shows the locations of NWP activities with ESA section 7 consultations for listed species under the jurisdiction of the NMFS.

**Figure 2-2. Locations of NWP activities by the Corps from March 19, 2017, to October 20, 2020, where ESA section 7 consultations (formal, informal, and programmatic) were conducted with the NMFS for those NWP activities.**



In a study on ESA section 7 consultations tracked by the U.S. FWS, Malcom and Li (2015) found that during the period of 2008 to 2015, the Corps conducted the most formal and informal section 7 consultations, far exceeding the numbers of section 7 consultations conducted by other federal agencies. Malcom and Li (2015) analyzed 88,290 ESA section 7 consultations completed between federal agencies and U.S. FWS between January 2008 and April 2015. They did not analyze ESA section 7 consultations between federal agencies and the NMFS. Malcom and Li (2015) found that most ESA section 7 consultations with the U.S. FWS occurred with the Corps (>15,000 ESA section 7 consultations during that time period), with substantially lower numbers of ESA section 7 consultations between the U.S. FWS and the Federal Highway Administration, Department of Housing and Urban Development, Federal Communications Commission, Federal Energy Regulatory Commission, the U.S.

Environmental Protection Agency, and the Federal Emergency Management Agency. They also determined that development activities prompted the most ESA section 7 consultations, and found large numbers of section 7 consultations for transportation projects. Other categories of activities that prompted numerous section 7 consultations were federal actions involving communications towers, bridges, oil or gas development, other activities, stream/waterbody impacts, agriculture, transmission lines, and forestry activities. They found that only four percent of ESA section 7 consultations were for habitat restoration activities or other conservation actions. Malcom and Li (2015) concluded that listed species benefit from federal agencies modifying their proposed actions so that they do not adversely affect listed species (so that section 7 consultation requirements can be fulfilled through informal consultations), and that these modifications also benefit entities regulated by federal action agencies through time savings realized through the informal consultation process.

The Corps' data on ESA section 7 consultations for activities verified as being authorized by NWPs between March 19, 2017, and October 20, 2020, reveals patterns similar to the patterns observed by Malcom and Li (2015). The vast majority of NWP activities verified by the Corps during that time period (approximately 8,300 activities per year) relied on informal consultations and regional programmatic consultations. A relatively smaller number of NWP activities verified by Corps districts during that time period (approximately 360 activities per year) required formal section 7 consultation.

The number of species listed under the ESA varies substantially from one geographic area to another geographic area in the United States (Evans et al. 2016, Flather et al. 2008). A number of studies (e.g., Evans et al. 2016, Flather et al. 2008, Flather et al. 1998) have identified "hotspots" for endangered and threatened species. They define "hotspots" as regions where ESA-listed species are concentrated.

Evans et al. (2016) examined ESA-listed species occurrences in the United States in data maintained by NatureServe and associated natural heritage programs. They found listed species hotspots in Hawaii, the southern Appalachian mountains, peninsular Florida, coastal areas of Southeast and eastern states, the Mediterranean-climate regions of California, and the Cascade and lowland mixed forests of the Pacific Northwest. These hotspots were consistent with hotspots identified in previous studies (Evans et al. 2016). They also identified the development of new listed species hotspots in the interior highlands and plateau region of southern Missouri, northern Arkansas, western Kentucky, and southern Illinois and Indiana. Evans et al.(2016) observed that 54 percent of the land area has no listed species, according to NatureServe's database. As the U.S. FWS has processed a large backlog of listing decisions in recent years, additional hotspots of listed species are emerging in the southern Great Basin and the Ouachita and Boston mountains of Western Arkansas and eastern Oklahoma (Evans et al. 2016).

In a study published in 2008, Flather et al. (2008) found that in the United States, the areas with high concentrations of listed species occur in the southern Appalachian region, coastal areas (especially the Atlantic and Gulf coasts), the arid Southwest, and the Florida peninsula. They also concluded that additions of listed species tend to occur in existing hotspots for listed species.

Flather et al. (1998) concluded that the distribution of listed species in the continental United States is not homogeneous, and they identified 12 geographic areas where listed species are concentrated. Those geographic areas were based on the Soil Conservation Service's (now the Natural Resources Conservation Service) land resources classification system (SCS 1981). The 12 geographic areas identified by Flather et al. (1998) as being listed species hotspots are:

- Arizona Basin and Range
- Atlantic Coast Flatwoods
- Colorado and Green River Plateaus
- Eastern Gulf Coast Flatwoods
- Gulf Coast Marsh and Prairie
- Mid-Atlantic and Northern Coastal Plain
- Northern California Mountains and Valleys
- Northern Pacific Coast Range and Valleys
- Peninsular Florida
- Southern Appalachians
- Sonoran Basin and Range
- Southern California Mountains and Valleys

Flather et al. (1998) observed that wetlands are an important habitat for listed species, and that some of the listed species hotspots they identified (Atlantic Coast Flatwoods; Eastern Gulf Coast Flatwoods; Northern California Mountains and Valleys) were associated with wetland habitats. They also concluded that the largest number of listed aquatic species occurred in the Southern Appalachians region, as well as the Gulf Coast Marsh and Prairie and Northern Pacific Coast Range and Valleys major land resources areas.

Because listed species in the United States tend to be concentrated in specific geographic regions, not all activities that may be authorized by the NWP's have the potential to affect listed species and designated critical habitat. Numerous NWP activities occur outside of these listed species hotspots and these NWP activities may have no likelihood of affecting any listed species or designated critical habitat and therefore do not trigger the PCN requirement in paragraph (c) of general condition 18.

The Corps is not aware of any incidences where effects to listed species or designated critical habitat may have occurred as a result of an NWP activity without the district engineer initiating formal or informal ESA section 7(a)(2) consultation or determining that the NWP activity was covered by a regional programmatic ESA section 7 consultation. Non-federal permittees must comply with paragraph (c) of NWP general condition 18 and 33 CFR 330.4(f)(2) and submit a pre-construction notification to the district engineer if any listed species (or species proposed for listing) or designated critical habitat (or critical habitat proposed for such designation) might be affected or is in the vicinity of a proposed NWP activity, or if a proposed NWP activity is located in designated critical habitat (or critical habitat proposed for such designation). If a non-federal permittee does not comply with paragraph (a) of NWP general condition 18, that activity is not authorized by NWP. In addition, authorization of an activity by an NWP does not authorize the “take” of a threatened or endangered species as defined under the ESA. An exemption from the “take” prohibitions in ESA section 9 can be obtained through an incidental take statement in a biological opinion issued under ESA section 7 or an incidental take permit issued by the U.S. FWS or NMFS under section 10(a)(1)(B) of the ESA. If a project proponent “takes” listed species while conducting an activity without an exemption from the ESA section 9 prohibition, the U.S. FWS and NMFS have authority under Section 11 of the ESA to take action to address unexempted “take” of endangered or threatened species.

Activities that do not comply with all the general conditions and special conditions applicable to the NWPs (including general condition 18) and are not authorized under any other DA authorization are undertaken without Corps authorization and the Corps bears no responsibility for those activities except for potential enforcement actions. If there is no NWP authorization or other DA authorization for an activity, the Corps does not have liability under the ESA because the Corps does not have a federal action under section 7 of the Act. Additionally, as stated above, the NWPs, at the time of issuance, do not authorize any “take” of endangered or threatened species. The term “incidental take” is defined at 50 CFR 402.02 as “takings that result from, but are not the purpose of, carrying out an otherwise lawful activity conducted by the Federal agency or applicant.” For a lawfully conducted activity (e.g., a proposed activity requiring federal authorization where ESA section 7 consultation is completed and the federal authorization is issued before the project proponent undertakes the authorized activity), an incidental take statement can provide an exemption from the “take” prohibitions in section 9 of the ESA. For non-federal entities, obtaining an ESA section 10(a)(1)(B) incidental take permit is another approach for addressing the “take” prohibitions in section 9 of the ESA. If the project proponent does not have an NWP authorization, the Corps may take action under its enforcement procedures at 33 CFR part 326 to address violations of Section 404 of the Clean Water Act and/or Section 10 of the Rivers and

Harbors Act of 1899. If the unauthorized activity results in a “take” of listed species, then he or she may also be subject to penalties, enforcement actions, and other actions by the U.S. FWS or NMFS under section 11 of the ESA.

The U.S. FWS and NMFS usually do not enter into ESA section 7 consultations for applicants that seek after-the-fact authorizations, including NWP authorizations, for activities that have already been completed. However, the U.S. FWS and NMFS may consult on uncompleted portions of an activity if the uncompleted portion may affect listed species or critical habitat. They may also consult on future actions or alternatives that may alter the environmental baseline in the vicinity of the completed activity, such as restoration of the affected site, the implementation of conservation measures, or both. The definition of “effects of the action” at 50 CFR 402.02 and other provisions of 50 CFR part 402 refer to the “proposed action” when discussing the ESA section 7 consultation process with Federal action agencies.

If a project proponent completes an activity without first obtaining a required Corps authorization the activity may not qualify for incidental take coverage under the ESA. The U.S. FWS and NMFS define “incidental take” at 50 CFR 402.02 as “takings that result from, but are not the purpose of, carrying out an otherwise lawful activity conducted by the Federal agency or applicant.” A “lawful activity” would have the required authorization from the federal permitting authority. If the U.S. FWS or NMFS consult on uncompleted portions of an activity, restoration of the affected site, and/or the implementation of conservation measures, and if the section 7 consultation results in the issuance of a biological opinion with an incidental take statement, the U.S. FWS or NMFS might write the incidental take statement so that it does not address any “take” of endangered or threatened species that may have occurred before the issuance of the Corps authorization.

### ***2.3 Nationwide Permit Regional Conditions***

Regional conditions are added to the NWPs by division engineers in accordance with the procedures at 33 CFR 330.5(c), to ensure that the NWPs authorize only those regulated activities that have no more than minimal individual and cumulative adverse environmental effects within a geographic region, such as a Corps district, state, county, or watershed. Division engineers have the authority to add regional conditions to an NWP that requires the project proponent to submit a PCN prior to commencing the NWP activity when pre-construction notification is not required under the national terms and conditions for the NWP. Regional conditions imposed by division engineers may add PCN requirements to one or more NWPs, including PCN requirements specifically

intended to facilitate compliance with section 7 of the ESA by providing district engineers with the opportunity to evaluate additional NWP activities and determine whether they may affect listed species or designated critical habitats.

Examples of regional conditions added to the NWPs by division engineers include:

- Restricting the types of waters of the United States where the NWPs may be used (e.g., fens, bogs, bottomland hardwood forests, etc.) or prohibiting the use of some or all of the NWPs in those types of waters or in specific watersheds.
- Restricting or prohibiting the use of NWPs in an area covered by a Special Area Management Plan, where regional general permits are issued to authorize activities consistent with that plan that have only minimal adverse environmental effects.
- Revoking certain NWPs in a watershed or other type of geographic area (e.g., a state or county).
- Adding PCN requirements to NWPs to require notification for all activities or lowering PCN thresholds, in certain watersheds or other types of geographic areas, or in certain types of waters of the United States.
- Reducing NWP acreage limits in certain types of waters of the United States (e.g., streams) or specific waterbodies, or in specific watersheds or other types of geographic regions.
- Restricting activities authorized by NWPs to certain times of the year in a particular waterbody, to minimize the adverse effects of those activities on fish or shellfish spawning, wildlife nesting, or other ecologically cyclical events.
- Conditions necessary to facilitate compliance with the “Endangered Species” general condition, to appropriately enhance protection of listed species or critical habitat under the Endangered Species Act.
- Conditions necessary to facilitate compliance with the “Tribal Rights” general condition, to appropriately enhance protection of tribal trust resources, including natural and cultural resources and Indian lands.
- Conditions necessary to ensure that NWP activities have no more than minimal adverse effects to Essential Fish Habitat.

Regional conditions may only further restrict the national terms and conditions of an NWP. The division engineer must issue a public notice and solicit comments on the proposed regional conditions or the proposed suspension or revocation of NWPs (see 33 CFR 330.5(c)). The division engineer must prepare a supplemental document (see 33 CFR 330.5(c)(1)(iii)) to add regional conditions to the NWPs. The supplemental document must address comments received in response to the district public notice that invited public comment on proposed regional conditions. The supplemental document must also discuss any coordination that occurred with the U.S. FWS and NMFS to determine whether regional conditions need to be added to the NWPs to address ESA section 7 compliance, including compliance with general condition 18 and 33 CFR 330.4(f). The supplemental document must also include a statement of findings,

concluding that the use of the NWP in the region will result in no more than minimal individual and cumulative adverse environmental effects. The regional conditions for the protection of listed species and designated critical habitat (e.g., PCN requirements to ensure compliance with paragraph (c) of NWP general condition 18) should be approved before the NWP goes into effect. Once the division engineer has approved the regional conditions, or the suspension or revocation of one or more NWPs, the affected Corps district(s) issues another public notice to make interested agencies and members of the public aware of the division engineer's addition of regional conditions to the NWPs and which NWPs (if any) are suspended or revoked in the affected Corps district(s).

During the rulemaking process for issuing or reissuing the NWPs, Corps districts coordinate with regional and field offices of the U.S. FWS and NMFS to discuss whether new or modified regional conditions should be imposed on the NWPs to improve protection of listed species and designated critical habitat and ensure that the NWPs only authorize activities with no more than minimal individual and cumulative adverse environmental effects. Regional conditions must comply with the Corps' regulations at 33 CFR 325.4 for adding permit conditions to DA authorizations. The Corps decides whether suggested regional conditions identified during this coordination are appropriate for the NWPs. During this coordination, other tools, such as additional regional programmatic consultations or standard local operating procedures, might be developed by the Corps, FWS, and NMFS to facilitate compliance with the ESA while streamlining the process for authorizing activities under the NWPs. Section 7 consultation on regional conditions occurs only when a Corps district makes a "may affect" determination for proposed regional conditions and initiates formal or informal section 7 consultation with the U.S. FWS and/or NMFS, depending on the species that may be affected. Otherwise, the Corps district coordinates the regional conditions with the U.S. FWS and/or NMFS. Regional conditions, standard local operating procedures, coordination agreements, and regional programmatic consultations developed by the Corps, FWS, and NMFS are important tools for protecting listed species and critical habitat and helping to tailor the NWP program to address specific species, their habitats, and the stressors that affect those species.

#### ***2.4 Nationwide Permit Case-Specific Conditions***

A Corps district engineer has the authority to modify, suspend, or revoke an NWP authorization for a specific activity. An NWP authorization may be modified by adding case-specific conditions, such as compensatory mitigation requirements, to ensure that the activity results in minimal individual and cumulative adverse effects on the aquatic

environment. Permit conditions, including conditions added to NWP authorizations by district engineers, must comply with the requirements of 33 CFR 325.4. If a proposed NWP activity will result in more than minimal individual and cumulative adverse effects on the aquatic environment or would otherwise be contrary to the public interest, and those adverse effects cannot be reduced to the minimal level by compensatory mitigation, the district engineer will revoke the NWP authorization and instruct the project proponent on how to apply for a standard individual permit. An NWP authorization may be suspended while the district engineer determines whether conditions can be added to the NWP to ensure the minimal adverse effects requirement is satisfied.

If the district engineer conducted ESA section 7 consultation for the proposed NWP activity, he or she will add permit conditions to the NWP authorization to ensure compliance with section 7 of the ESA (see 33 CFR 325.4(a)(1)). If the district engineer conducted informal ESA section 7 consultation with the U.S. FWS and/or NMFS, and received a written concurrence from the U.S. FWS and/or NMFS, he or she will add conditions to the NWP authorization that are necessary to ensure that the authorized activity is not likely to adversely affect listed species and/or designated critical habitat.

If the district engineer conducted formal ESA section 7 consultation with the U.S. FWS and/or NMFS, and received a biological opinion from the U.S. FWS and/or NMFS that concluded that the proposed activity is not likely to jeopardize the continued existence of listed species or is not likely to adversely modify or destroy designated critical habitat, he or she will add conditions to the NWP authorization that are necessary to comply with ESA section 7(a)(2), including any terms and conditions in the incidental take statement for reasonable and prudent measures that apply to the activity authorized by NWP.

If the district engineer conducted formal ESA section 7 consultation with the U.S. FWS and/or NMFS, and received a biological opinion from the U.S. FWS and/or NMFS that concluded that the proposed activity is likely to jeopardize the continued existence of listed species or is likely to adversely modify or destroy designated critical habitat, he or she may exercise discretionary authority and require an individual permit for the proposed activity. Alternatively, the district engineer may ask the project proponent whether she or he would agree to modify his or her project to conform with any reasonable and prudent alternatives identified in the jeopardy/adverse modification biological opinion. If the project proponent agrees to implement a reasonable and prudent alternative, the district engineer will add conditions to the NWP authorization that are necessary to comply with ESA section 7(a)(2), including any terms and conditions in the incidental take statement for reasonable and prudent measures that apply to the activity authorized by NWP.

## ***2.5 Consideration of Cumulative Effects for Nationwide Permit Activities***

When Corps Headquarters issues an NWP after completing the rulemaking process under the Administrative Procedure Act, it issues a national decision document that fulfills the requirements of the National Environmental Policy Act and the Corps' public interest review at 33 CFR 320.4. In the national decision document, Corps Headquarters evaluates, at a national scale, the individual and cumulative adverse environmental effects expected to result from the activities authorized by the NWP in order to ensure the requirements of the Corps' public interest review and section 404(e) of the CWA are satisfied. For those NWPs that authorize discharges of dredged or fill material into waters of the United States, Corps Headquarters also conducts a Clean Water Act Section 404(b)(1) Guidelines analysis. In the national decision document, Corps Headquarters considers the mitigation measures required by many of the NWP general conditions, as well as the ability of division and district engineers to modify, suspend, or revoke NWP authorizations on a regional and case-specific basis to help ensure that the NWPs authorize only those activities that result in no more than minimal individual and cumulative adverse environmental effects and comply with other federal laws, including the ESA.

In the national decision document for each NWP, the Corps evaluates the cumulative effects expected to be caused by NWP activities during the 5-year period the NWP is expected to be in effect. The Corps' regulations do not define the term "cumulative impact." The Council on Environmental Quality's current National Environmental Policy Act (NEPA) regulations (85 FR 43304) removed the 1978 definition of "cumulative impact" that was at 40 CFR 1508.7. The 2020 Council on Environmental Quality's NEPA regulations define the term "effects or impacts" at 40 CFR 1508.1(g), and that definition does not separate effects or impacts into categories such as "direct," "indirect," or "cumulative." "Effects or impacts" are defined as "changes to the human environment from the proposed action or alternatives that are reasonably foreseeable and have a reasonably close causal relationship to the proposed action or alternatives, including those effects that occur at the same time and place as the proposed action or alternatives and may include effects that are later in time or farther removed in distance from the proposed action or alternatives."

For the purposes of the NWPs, the effects or impacts of activities authorized by NWPs includes the effects or impacts caused by individual NWP activities, and the effects or impacts caused by all NWP activities during the 5-year period the NWPs issued through a particular rulemaking action are expected to be in effect. For the purposes of NEPA, the effects or impacts of the NWPs issued through rulemaking that are reasonably

foreseeable and have a reasonably close causal relationship to the activities authorized by NWP are evaluated against the affected environment to determine whether the issuance of those NWPs will result in a significant impact on the quality of the human environment. For the purposes of Section 404(e) of the Clean Water Act, the effects or impacts of the NWPs issued through the rulemaking process are evaluated, including the individual and cumulative adverse environmental effects caused by those NWP activities during the period they are expected to be in effect, are evaluated against the current environmental setting (i.e., the environmental baseline) to determine whether those cumulative adverse environmental effects are more than minimal. The national decision document for each NWP estimates the number of times the NWP is expected to be used during the 5-year period it is anticipated to be in effect, as well as the estimated acreage of permanent and temporary impacts to waters of the United States and the estimated acreage of compensatory mitigation required by district engineers during that 5-year period.

For those NWPs that authorize discharges of dredged or fill material into waters of the United States, the Clean Water Act Section 404(b)(1) Guidelines promulgated by the U.S. EPA prescribe an approach for assessing the issuance of a general permit (see 40 CFR 230.7) evaluating the potential individual and cumulative impacts of the category of activities to be regulated under a general permit. Section 230.7(b)(3) specifically addresses cumulative impacts, and requires the permitting authority to predict cumulative effects by estimating the number of individual discharge activities likely to be regulated under a general permit until its expiration, including repetitions of individual discharge activities at a single location.

For the Corps' decision on whether to issue a permit, the public interest review regulations at 33 CFR 320.4(a)(1) require the decision-maker for the Corps to evaluate the probable impacts, including cumulative impacts, of the proposed activity and its intended use on the public interest. The Corps' regulations at 33 CFR parts 320 to 332 for implementing Section 10 of the Rivers and Harbors Act of 1899, Section 404 of the Clean Water Act, and its other permitting authorities do not define the term "cumulative impact."

The regulations at 50 CFR part 402 issued by the U.S. FWS and NMFS for the ESA section 7(a)(2) consultation process prescribe how cumulative effects are to be defined and considered for the purposes of ESA section 7 consultations with federal agencies, when those federal agencies determine their proposed actions may affect listed species or designated critical habitat and initiate section 7 consultation. Section 402.02 of those regulations defines the term "cumulative effects" as "those effects of future State or private activities, not involving Federal activities, that are reasonably certain to occur

within the action area of the Federal action subject to consultation.” The Corps does not have the authority to impose and enforce permit conditions on future federal and private activities that do not require DA authorization, to protect listed species or designated critical habitat. The U.S. FWS’s and NMFS’s definition of “cumulative effects” and the categories of activities that contribute to cumulative effects to listed species and designated critical habitat are discussed in more detail in section 4.2 of this biological assessment.

As stated above, the Corps’ regulations do not define “cumulative effects” for the purposes of the NWP and other general permits. Duinker et al. (2013) examined a number of definitions of “cumulative effect” and concluded that even though the environmental assessment literature contains a number of definitions of “cumulative effect” and the concept of cumulative effects is complex, a concise definition is insufficient to guide the practice of assessing cumulative effects. However, there are some concise definitions that are helpful for implementing the NWP program. For example, the National Research Council (NRC) (1986) defined “cumulative effects” as the on-going degradation of ecological systems caused by repeated perturbations or disturbances. MacDonald (2000) defines “cumulative effects” as the result of the combined effects of multiple activities that occur in a particular area that persist over time. Cumulative effects are caused by the interaction of multiple activities in a landscape unit, such as a watershed or ecoregion (Gosselink and Lee 1989).

The definitions provided in the environmental assessment literature can be applied along with the definitions in the current CEQ NEPA regulations and the U.S. EPA’s 404(b)(1) Guidelines to help guide the Corps’ practice of assessing cumulative effects in the NWP program. For the NWPs, cumulative effects result from the use of an NWP in a geographic region (national or regional) or for a specific NWP activity over the 5-year period the NWP is in effect. Cumulative effects in the NWP program do not include the environmental effects caused by activities the Corps does not regulate under Section 404 of the Clean Water Act and/or Section 10 of the Rivers and Harbors Act. There are a wide range of activities that are not regulated by the Corps that directly or indirectly affect the Nation’s aquatic resources, listed species that utilize those aquatic resources, and designated critical habitat within those aquatic resources. Those activities include land use changes, water withdrawal from rivers, damages to marine benthic habitats during fish trawling activities, invasive alien species, overexploitation of species, and pollution (MEA 2005b).

The individual and cumulative environmental effects of NWP activities are evaluated by assessing the direct and indirect effects that those activities have on the current environmental setting. The current environmental setting is the product of the cumulative or aggregated effects of human activities that have persisted over time, as

well as the natural processes that have influenced, and continue to influence, the structure, functions, and dynamics of ecosystems. All ecosystems, including ecosystems that provide habitat used by endangered or threatened species, have been significantly changed by human activities (MEA 2005b). For thousands of years, human communities have altered landscapes and ecosystems to serve their needs, such as food, safety, and commerce, and made trade-offs by increasing certain ecosystem functions and services while reducing other ecosystem functions and services (Karieva et al. 2007). Since humans have altered aquatic and terrestrial environments in numerous, substantial ways for thousands of years (e.g., Evans and Davis 2018, Ellis 2015), the current environmental setting or environmental baseline includes the modifications that human activities made to aquatic and terrestrial ecosystems and the ecological functions and services they provide. The current environmental setting is the baseline against which proposed NWP activities are evaluated to determine whether they will result in no more than minimal individual and cumulative adverse environmental effects during the 5-year period the NWPs are anticipated to be in effect.

The current environmental setting can vary substantially in different areas of the country and in different waterbodies. The current environmental setting is dependent in part on the degree to which past and present human activities have altered aquatic and terrestrial resources in a particular geographic area over time. The current environmental setting can range from highly developed/overexploited (e.g., urban areas, where human impacts to ecosystems are highest) to production systems (e.g., agricultural lands) to seminatural (e.g., parks) to near natural (e.g., wilderness areas, where human impacts to ecosystems are lowest) (van Andel and Aronson 2012). Human impacts on semi-natural ecosystems are less severe than human impacts to production ecosystems (van Andel and Aronson 2012).

During their reviews of NWP PCNs and voluntary requests for NWP verifications, district engineers assess cumulative adverse environmental effects at an appropriate regional scale. The district engineer uses his or her discretion to determine the appropriate regional scale for evaluating cumulative effects. The appropriate regional scale for evaluating cumulative effects may be a waterbody, watershed, county, state, or a Corps district. The appropriate regional scale is dependent, in part, on where the NWP activities are occurring. For example, for NWPs that authorize structures and/or work in navigable waters of the United States under Section 10 of the Rivers and Harbors Act of 1899, the appropriate geographic region for assessing cumulative effects may be a specific navigable waterbody. For NWPs that authorize discharges of dredged or fill material into non-tidal wetlands and streams, the appropriate geographic region for assessing cumulative effects may be a watershed, county, state, or Corps district. The direct individual adverse environmental effects caused by activities authorized by NWPs are evaluated within the project footprint, and the indirect individual adverse

environmental effects caused by activities authorized by NWP's are evaluated within the geographic area to which those indirect effects extend. Cumulative effects are the result of the accumulation of direct and indirect effects caused by multiple activities that persist over time in a particular geographic area (MacDonald 2000), such as a watershed or ecoregion (Gosselink and Lee 1989). Therefore, the geographic and temporal scales for cumulative effects analysis are larger than the analysis of the direct and indirect adverse environmental effects caused by specific activities.

In a specific watershed, Corps district, state, county, or other geographic area, Corps division or district engineers may determine that the cumulative adverse effects of activities authorized by a specific NWP are more than minimal. Division and district engineers will conduct more detailed assessments for geographic areas that are determined to be potentially subject to more than minimal cumulative adverse effects. Division and district engineers have the authority to modify, suspend, or revoke NWP's on a regional or case-specific basis and require individual permits in watersheds or other geographic areas where the cumulative adverse effects are determined to be more than minimal, or add conditions to the NWP either on a regional or case-by-case basis to require mitigation measures to ensure that the cumulative adverse effects are minimal. When a division or district engineer determines, using local or regional information, that a watershed or other geographic area is subject to more than minimal cumulative adverse effects due to the use of a specific NWP, he or she will use the revocation and modification procedure at 33 CFR 330.5. In reaching the final decision, the division or district engineer will compile information on the cumulative adverse effects and supplement the regional analyses he or she conducted when the NWP's were issued or reissued.

Compensatory mitigation required by district engineers for specific activities authorized by the NWP's will help reduce the contribution of those activities to the cumulative effects on the Nation's wetlands, streams, and other aquatic resources, by providing ecological functions to partially or fully replace some or all of the aquatic resource functions lost as a result of those activities. Compensatory mitigation required by district engineers to offset losses of jurisdictional waters and wetlands helps reduce the cumulative effects of activities authorized by the NWP's. Monitoring is required for all compensatory mitigation projects, to demonstrate whether the permittee-responsible mitigation project, mitigation bank, or in-lieu fee project is meeting its objectives and providing the intended aquatic resource structure and functions. If the compensatory mitigation project is not meeting its objectives, adaptive management will be required. Adaptive management may involve taking actions, such as site modifications, remediation, or design changes, to ensure the compensatory mitigation project meets its objectives (see 33 CFR 332.7(c)).

In a specific watershed, division or district engineers may determine that the cumulative adverse environmental effects of activities authorized by this NWP are more than minimal. Division and district engineers will conduct more detailed assessments for geographic areas that are determined to be potentially subject to more than minimal cumulative adverse environmental effects. Division and district engineers have the authority to require individual permits in watersheds or other geographic areas where the cumulative adverse environmental effects are determined to be more than minimal, or add conditions to the NWP either on a case-by-case or regional basis to require mitigation measures to ensure that the cumulative adverse environmental effects of these activities are no more than minimal. When a division or district engineer determines, using local or regional information, that a watershed or other geographic area is subject to more than minimal cumulative adverse environmental effects due to the use of an NWP, he or she will use the revocation and modification procedure at 33 CFR 330.5. In reaching the final decision, the division or district engineer will compile information on the cumulative adverse effects and supplement the information in the document.

### 3.0 Species List

Species lists were requested from the U.S. FWS and NMFS through letters dated November 23, 2020. The U.S. FWS responded to the Corps' request for a species list by sending an email on December 7, 2020, with a response letter and a spreadsheet with listed species, proposed species, designated critical habitat, and proposed critical habitat. The species list provided by the U.S. FWS is provided in Appendix A.

The NMFS responded to the Corps' request for a species list by sending an email on December 1, 2020, that pointed the Corps to the following web site: <https://www.fisheries.noaa.gov/species-directory/threatened-endangered>. In their email, the NMFS stated that their Office of Protected Resources has no proposed species. The Corps accessed this web site on December 13, 2020, and the species list from this website is provided in Appendix B.

## **4.0 Effects Analysis Under Section 7(a)(2) of the Endangered Species Act**

### ***4.1 Effects of the Proposed Action (i.e., the rulemaking to issue/reissue the Nationwide Permits)***

The NWP regulations at 33 CFR 330.4(f) and NWP general condition 18, endangered species, ensure that all activities authorized by NWPs comply with section 7 of the Endangered Species Act (ESA). Those regulations and general condition 18 require non-federal permittees to submit PCNs for any activity that might affect listed species (or species proposed for listing) or designated critical habitat (or critical habitat proposed for such designation). The district engineer then evaluates the PCN and makes an effect determination for the proposed NWP activity for the purposes of ESA section 7. The Corps established the “might affect” threshold in 33 CFR 330.4(f)(2) and paragraph (c) of general condition 18 because it is more stringent than the “may affect” threshold for section 7 consultation in the U.S. FWS’s and NMFS’s ESA section 7 consultation regulations at 50 CFR part 402. The word “might” is defined as having “less probability or possibility” than the word “may” (Merriam-Webster’s Collegiate Dictionary, 10th edition). Since “might” has a lower probability of occurring, it is below the threshold (i.e., “may affect”) that triggers the requirement for ESA section 7 consultation for a proposed federal action.

The only activities that are immediately authorized by NWP are those activities that do not meet the “might affect” threshold of general condition 18 and that are not located in designated critical habitat (or critical habitat proposed for such designation) or that are being undertaken by another Federal agency and have already undergone ESA section 7 consultation. Non-federal permittees must submit a pre-construction notification to the district engineer if any listed species (or species proposed for listing) or designated critical habitat (or critical habitat proposed for such designation) might be affected or is in the vicinity of the proposed NWP activity, or if the proposed NWP activity is located in designated critical habitat (or critical habitat proposed for such designation), and cannot begin work on the activity until notified by the district engineer that the requirements of the ESA have been satisfied and that the activity is authorized by NWP (see paragraph (c) of general condition 18). Federal agencies must and will follow their own procedures for complying with the requirements of the ESA, and if pre-construction notification is required for the proposed NWP activity, the federal permittee must provide the district engineer with the appropriate documentation to demonstrate compliance with those requirements (see paragraph (b) of general condition 18). The district engineer will verify that the appropriate documentation has been submitted by the federal permittee,

and if the appropriate documentation has not been submitted, additional ESA section 7 consultation may be necessary for the proposed NWP activity and the respective federal agency would be responsible for fulfilling its obligation under section 7 of the ESA.

If a non-federal project proponent proposing an activity that might affect a listed species (or a species proposed for listing) or designated critical habitat (or critical habitat proposed for such designation), is in the vicinity of a listed species (or a species proposed for listing) or designated critical habitat (or critical habitat proposed for such designation), or is located in designated critical habitat (or critical habitat proposed for such designation) does not submit the required PCN in compliance with 33 CFR 330.4(f)(2) and general condition 18, then the activity is not authorized by NWP. In such situations, it is an unauthorized activity and the Corps district will determine an appropriate course of action under its regulations at 33 CFR part 326 to respond to the unauthorized activity, if and when the Corps learns about that unauthorized activity.

If a PCN is submitted, the Corps district will evaluate the PCN and will either make a “no effect” determination or a “may affect” determination. If the district engineer makes a “may affect” determination, she or he will notify the non-federal applicant and the activity is not authorized by NWP until ESA Section 7 consultation has been completed.

The only activities that are immediately authorized by NWPs are activities proposed by non-federal entities that do not meet the “might affect” threshold of general condition 18 and that are not located in designated critical habitat (or critical habitat proposed for such designation) and activities that are being undertaken by another Federal agency and have already undergone ESA section 7 consultation. This “might affect” standard ensures that immediately authorized activities will have “no effect” under Section 7 of the ESA and its implementing regulations at 50 CFR part 402. In addition, NWP general condition 18 and 33 CFR 330.4(f) provide that NWPs cannot be used to authorize activities that are likely to jeopardize the continued existence of a species proposed for listing as threatened or endangered or will destroy or adversely modify critical habitat proposed for designation. Therefore, the issuance or reissuance of NWPs does not require ESA section 7 consultation because no activities authorized by any NWPs “may affect” listed species or designated critical habitat without first completing activity-specific ESA Section 7 consultations with the U.S. FWS and NMFS, as required by general condition 18 and 33 CFR 330.4(f). Regional programmatic ESA section 7 consultations may also be used by district engineers to satisfy the requirements of the NWPs in general condition 18 and 33 CFR 330.4(f) if a proposed NWP activity is covered by that regional programmatic consultation.

In the May 11, 2015, issue of the Federal Register (80 FR 26832) the U.S. FWS and NMFS published a final rule that amended the incidental take statement provisions of the implementing regulations for ESA section 7 at 50 CFR part 402. That final rule went into effect on June 10, 2015. In that final rule, the U.S. FWS and NMFS defined two types of programmatic ESA section 7 consultations, and discussed the circumstances in which providing an incidental take statement with a biological opinion for a programmatic section 7 consultation is appropriate. The two types of programmatic section 7 consultations are: framework programmatic actions and mixed programmatic actions.

A framework programmatic action is federal action that approves a framework for the development of future actions that are authorized, funded, or carried out at a later time. A mixed programmatic action is a federal action that approves action(s) that will not be subject to further section 7 consultation, and approves a framework for the development of future actions that are authorized, funded, or carried out at a later time. Definitions of “framework programmatic action” and “mixed programmatic action” are provided at 50 CFR 402.02. In the preamble to the 2015 final rule, the U.S. FWS and NMFS stated that action agencies can seek to engage in section 7 consultation on programmatic actions to gain efficiencies in the section 7 consultation process (80 FR 26836).

The 2015 amendments to 50 CFR part 402 also address the circumstances when incidental take statements will be provided in biological opinions for programmatic actions. In the final rule, the U.S. FWS and NMFS stated that since a framework programmatic action does not authorize any federal action to proceed, no take is anticipated to result from the framework programmatic action itself, and, therefore, the U.S. FWS and NMFS are not required to provide an incidental take statement in a biological opinion for a framework programmatic action (see 80 FR 26835). The U.S. FWS and NMFS acknowledged that adoption of a framework action by the federal action agency would not, by itself, result in any anticipated take of listed species (see 80 FR 26836). Therefore, the U.S. FWS and NMFS determined that it is appropriate not to provide an incidental take statement at the program level; any take that may occur when future actions are implemented under the framework action would be addressed through activity-specific ESA section 7 consultations. For a national framework programmatic action, anticipated take from future actions could also be addressed through incidental take statements in regional programmatic section 7 consultations. In the preamble to the 2015 final rule, the U.S. FWS and NMFS identified the Corps’ NWP program as an example of a framework action at a national scale that can address ESA section 7 consultation requirements at a later time as appropriate, as specific activities are authorized, funded, or carried out (see 80 FR 26835).

The U.S. FWS's and NMFS's regulations at 50 CFR 402.14(a) require each Federal agency to review its actions at the earliest possible time to determine whether a proposed action may affect listed species or critical habitat. This requirement applies to framework actions, including framework actions that occur at a national scale. If the federal agency determines its proposed action may affect listed species or critical habitat, formal consultation is required unless the U.S. FWS and/or NMFS provide written concurrence that the proposed action is not likely to adversely affect any listed species or critical habitat. However, if the federal agency determines that its proposed action, including any framework action, will have no effect on listed species or critical habitat, ESA section 7 consultation is not required. The ESA section 7 consultation regulations at 50 CFR 402.14(a) state that the Director of the U.S. FWS or NMFS may request a federal agency to enter into consultation if he or she identifies any action of that agency that may affect listed species or critical habitat and for which there has been no consultation. When such a request is made, the Director shall forward to the federal agency a written explanation of the basis for the request. Section 402.14(a) provides a mechanism whereby the NMFS or U.S. FWS can provide their disagreement with a federal agency's "no effect" determination for the purposes of ESA section 7 for a proposed federal action, including a framework programmatic action. A framework programmatic action is federal action that approves a framework for the development of future actions that are authorized, funded, or carried out at a later time (50 CFR 402.02 and 80 FR 26841).

In the August 27, 2019, issue of the Federal Register (84 FR 44976) the U.S. FWS and NMFS published a final rule that amended their regulations for interagency cooperation under Section 7 of the ESA. That final rule went into effect on October 28, 2019. With respect to making effects determinations for proposed federal actions, such as activities authorized by NWP, the U.S. FWS and NMFS made two important changes to 50 CFR part 402: (a) introducing the term "consequences" to help define what is an effect under ESA section 7, and (b) emphasizing that to be considered an "effect of the action" under section 7 consultation, the consequences caused by the action would not occur but for the proposed action and must be reasonably certain to occur (see 84 FR 44977). Further clarification of "activities that are reasonably certain to occur" and "consequences caused by the proposed action" were provided by the FWS and NMFS in rule text added at 50 CFR 402.17(a) and (b), respectively. When the Corps district receives a pre-construction notification for a proposed NWP activity, it is responsible for applying the definition of "effect of the action" to the proposed NWP activity and to determine the consequences caused by the proposed action and which activities are reasonably certain to occur. The district engineer determines whether the proposed NWP activity "may affect" listed species or designated critical habitat and initiates formal or informal section 7 consultation unless she or he determines the proposed NWP

activity will have “no effect” on listed species or designated critical habitat. As a general rule, the district engineer documents his or her “no effect” determination in writing for every pre-construction notification that the district engineer receives and responds to.

Applying the 2019 amendments to the ESA section 7 regulations to the NWP program, consequences to listed species and designated critical habitat caused by proposed NWP activities must be reasonably certain to occur. In the preamble to their final rule, the U.S. FWS and NMFS stated that for a “consequence or an activity to be considered reasonably certain to occur, the determination must be based on clear and substantial information” (see 84 FR 44977). The U.S. FWS and NMFS explained that “clear and substantial” means that there has to be a firm basis for supporting a conclusion that a consequence of a federal action is reasonably certain to occur. The determination that a consequence is reasonably certain to occur should not be based on speculation or conjecture, and the information used to make that determination should have a “degree of certitude” (see 84 FR 44977). The Corps will apply these considerations when evaluating PCNs for proposed NWP activities.

The final rule issued by the FWS and NMFS on August 27, 2019 (84 FR 44976) also provided further discussion of programmatic ESA section 7 consultations, including framework programmatic actions. In the preamble to that final rule, the U.S. FWS and NMFS stated that ESA section 7 provides significant flexibility for federal agency compliance with the ESA. Furthermore, the U.S. FWS and NMFS acknowledged that while federal action agencies have an obligation to consult on programs that are considered agency actions that may affect listed species or designated critical habitat, “many types of programmatic consultation would be considered an optional form of section 7 compliance to, for example, address a collection of agency actions that would otherwise be subject to individual consultation.” (See 84 FR 44996.)

The NWP program has been structured, through the requirements of NWP general condition 18 and 33 CFR 330.4(f) to focus ESA section 7 compliance at the activity-specific and regional scales. Each year, Corps districts initiate thousands of formal and informal ESA section 7 consultations for specific NWP activities (see Tables 5.1 and 5.2.), and many Corps districts have worked with the U.S. FWS and NMFS to develop formal and informal regional programmatic consultations (see Appendix C for lists of current and pending formal and informal ESA section 7 regional programmatic consultations, as well as coordination procedures, and other tools that are currently being used for proposed NWP activities, or are in development). Focusing ESA section 7 compliance at the activity-specific scale and regional programmatic scale is more efficient for the permittees, the Corps, and the U.S. FWS and NMFS because it is at the activity-specific and regional scales that informal consultation written concurrences and

biological opinions with incidental take statements are completed for proposed NWP activities.

For a proposed NWP activity that may affect listed species or designated critical habitat a biological opinion with an incidental take statement is needed for the NWP activity to go forward, unless the U.S. FWS or NMFS issued a written concurrence that the proposed NWP activity is not likely to adversely affect listed species or designated critical habitat. It is through activity-specific ESA section 7 consultations and regional programmatic ESA section 7 consultations that effective protection of listed species and their designated critical habitat is achieved.

After applying the U.S. FWS's and NMFS's current ESA section 7 regulations at 50 CFR part 402 to the NWP rulemaking process, the Corps determined that the issuance or reissuance of the NWPs has "no effect" on listed species or designated critical habitat, and that the ESA section 7 compliance is most effectively achieved by applying the requirements of general condition 18 and 33 CFR 330.4(f) to specific proposed NWP activities that are identified after the NWPs are issued and go into effect. Compliance with the requirements of ESA section 7 can also be achieved by district engineers applying appropriate formal or informal regional programmatic ESA section 7 consultations that have been developed by Corps districts with regional offices of the U.S. FWS and NMFS.

Section 7(a)(2) of the ESA requires each federal agency to ensure, through consultation with the Services, that "any action authorized, funded, or carried out" by that agency "is not likely to jeopardize the continued existence of listed species or adversely modify designated critical habitat." (See 16 U.S.C. 1536(a)(2).) Accordingly, the Services' section 7 regulations specify that an action agency must ensure that the action "it authorizes," including authorization by permit, does not cause jeopardy or adverse modification. (See 50 CFR 402.01(a) and 402.02). Thus, in assessing application of ESA section 7 to NWPs issued or reissued by the Corps, the proper focus is on the nature and extent of the specific activities "authorized" by the NWPs and the timing of that authorization.

The issuance or reissuance of the NWPs by the Chief of Engineers imposes express limitations on activities authorized by those NWPs. These limitations are imposed by the NWP terms and conditions, including the general conditions that apply to all NWPs regardless of whether pre-construction notification is required. With respect to listed species and designated critical habitat, general condition 18 expressly prohibits any activity "which 'may affect' a listed species or critical habitat, unless section 7 consultation addressing the effects of the proposed activity has been completed."

General condition 18 also states that if an activity “might affect” a listed species (or a species proposed for listing) or designated critical habitat (or critical habitat proposed for such designation), a non-federal applicant must submit a PCN and “shall not begin work on the activity until notified by the district engineer that the requirements of the ESA have been satisfied and that the activity is authorized.” In addition, 33 CFR 330.4(f)(2) imposes a PCN requirement for proposed NWP activities by non-federal permittees where listed species (or species proposed for listing) or critical habitat might be affected or are in the vicinity of the proposed NWP activity. Section 330.4(f)(2) also prohibits those permittees from beginning the NWP activity until notified by the district engineer that the requirements of the ESA have been satisfied and that the activity is authorized. Permit applicants that are Federal agencies must and will follow their own requirements for complying with the ESA (see 33 CFR 330.4(f)(1)).

Thus, because no NWP can or does authorize an activity that may affect a listed species or designated critical habitat absent an activity-specific ESA section 7 consultation or applicable regional programmatic ESA section 7 consultation, and because any activity that may affect a listed species or designated critical habitat must undergo an activity-specific consultation or be in compliance with a regional programmatic ESA section 7 consultation before the district engineer can verify that the activity is authorized by NWP, the issuance or reissuance of NWPs has “no effect” on listed species or designated critical habitat. Accordingly, the action being “authorized” by the Corps (i.e., the issuance or re-issuance of the NWPs themselves) has no effect on listed species or designated critical habitat.

To help ensure protection of listed species and designated critical habitat, as well as species proposed for listing and critical habitat proposed for such designation, general condition 18 and 33 CFR 330.4(f) establish a more stringent threshold than the threshold set forth in the Services’ ESA section 7 regulations for initiation of section 7 consultation. Specifically, while section 7 consultation must be initiated for any activity that “may affect” listed species or designated critical habitat, for non-federal permittees general condition 18 requires submission of a PCN to the Corps if “any listed species (or species proposed for listing) or designated critical habitat (or critical habitat proposed for such designation) might be affected or is in the vicinity of the activity, or if the activity is located in designated critical habitat (or critical habitat proposed for such designation)” and prohibits work until “notified by the district engineer that the requirements of the ESA have been satisfied and that the activity is authorized.” (See paragraph (c) of general condition 18.) The PCN must “include the name(s) of the endangered or threatened species that might be affected by the proposed work or that utilize the designated critical habitat that might be affected by the proposed work.” (See paragraph (b)(7) of the “Pre-Construction Notification” general condition.) Paragraph (f)

of general condition 18 notes that information on the location of listed species and their critical habitat can be obtained from the U.S. FWS and NMFS directly or from their web sites.

General condition 18 makes it clear to project proponents that an NWP does not authorize the “take” of an endangered or threatened species. Paragraph (e) of general condition 18 also states that a separate authorization (i.e., an ESA section 10 permit or a biological opinion with an “incidental take statement”) is required to take a listed species. In addition, paragraph (a) of general condition 18 states that no activity is authorized by NWP which is likely to “directly or indirectly jeopardize the continued existence of a threatened or endangered species or a species proposed for such designation” or “which will directly or indirectly destroy or adversely modify the designated critical habitat of such species or critical habitat proposed for such designation.” Such activities would require district engineers to exercise their discretionary authority and subject the proposed activity to the individual permit review process, because an activity that would jeopardize the continued existence of a listed species, or a species proposed for listing, or that would destroy or adversely modify the critical habitat of such species would not result in no more than minimal adverse environmental effects and thus cannot be authorized by NWP.

The Corps’ NWP regulations at 33 CFR 330.1(c) state that an “activity is authorized under an NWP only if that activity and the permittee satisfy all of the NWP’s terms and conditions.” Thus, if a project proponent moves forward with an activity that “might affect” an ESA listed species without complying with the PCN or other requirements of general condition 18, the activity is not authorized under the CWA. In this case, the project proponent could be subject to enforcement action and penalties under the CWA. In addition, if the unauthorized activity results in a “take” of listed species as defined by the ESA and its implementing regulations, then he or she could be subject to penalties, enforcement actions, and other actions by the FWS or NMFS under section 11 of the ESA.

Based on the fact that NWP issuance or reissuance has no effect on listed species or critical habitat and any proposed NWP activity that “may affect” listed species or critical habitat will undergo an activity-specific or regional programmatic ESA section 7 consultation, there is no requirement that the Corps undertake programmatic consultation for the NWP program. The national programmatic consultations conducted in the past for the NWP program were voluntary consultations. Regional programmatic consultation can be conducted by Corps districts and regional or local offices of the U.S. FWS and/or NMFS to provide further assurance against potential adverse effects on listed species or designated critical habitat, and assure other benefits to listed species

or designated critical habitat, such as through the establishment of additional procedures, regional NWP conditions, activity-specific NWP conditions, or other safeguards that may be employed by Corps district offices based on further discussions between the Corps and the U.S. FWS and NMFS.

## **4.2 Cumulative Effects Under the Endangered Species Act**

The U.S. FWS's and NMFS's regulations at 50 CFR 402.02 define "cumulative effects" for the purposes of ESA section 7 as follows:

Cumulative effects are those effects of future State or private activities, not involving Federal activities, that are reasonably certain to occur within the action area of the Federal action subject to consultation. [50 CFR 402.02]

This definition focuses on future state or private actions within an action area that are not part of a federal action that may require ESA section 7 consultation. These future state or private actions are not under federal control or responsibility, and are outside the federal agency's authority to control potential effects to listed species or designated critical habitat. Since these future state or private actions are not involved with the federal action, any potential "take" of listed species that may result from these state or private actions may require separate authorization from the U.S. FWS or NMFS through the ESA section 10(a)(1)(B) incidental take permit process.

Future federal actions (including reviews of NWP PCNs by district engineers after the 2021 NWPs are issued and go into effect) that are unrelated to the proposed action (i.e., the rulemaking process for the issuance or reissuance of the 2020 NWPs) are not considered in this biological assessment because they would require separate consultation under section 7(a)(2) of the ESA if a district engineer reviews a PCN and determines that the proposed NWP activity may affect listed species or designated critical habitat.

As discussed in this biological assessment, the action area for the rulemaking to issue or reissue the NWPs includes the land and water areas of the United States, including waters of the United States within those land and water areas. The action area also includes federal waters on the outer continental shelf. Future state, tribal, or private actions that do not require Corps authorization are likely to contribute to ESA cumulative effects as defined at 50 CFR 402.02.

Discharges of dredged or fill material into waters of the United States and structures or work in navigable waters of the United States that are authorized by DA permits such as the NWPs are but a small subset of the many human activities that have been identified

as contributing to the decline of species and warranting their listing as endangered or threatened species to be protected under the ESA. These other human activities include land use changes, water withdrawal from rivers, damages to benthic habitats in oceans and estuaries caused by trawling by fishers, introductions of invasive alien species, overexploitation of species, and pollution (MEA 2005b), including point source pollution regulated under Section 402 of the Clean Water Act and non-point source pollution.

The decline of species that leads to their being listed as endangered or threatened under the Endangered Species Act is a cumulative effects problem because there are a multitude of anthropogenic factors responsible for that decline (NRC 1986, Odum 1982). Lawler et al. (2002) reviewed recovery plans for listed species and found that these recovery plans identified a total of 59 threats to listed species. Land use and land cover changes are the main cause of the loss of biodiversity (Vitousek et al. 1997). The decline of a species that leads to its status as endangered or threatened is usually caused by multiple factors rather than a single factor (Wilcove et al. 1998, Venter et al. 2006, Czech and Krausman 1997, Richter et al. 1997). It is difficult to determine the relative contribution of each cause of species decline or endangerment (Czech and Krausman 1997). For example, for fish species, the number of factors affecting their status ranged from 1 to 15, with an average of 4.5 threats. Over 40 percent of fish species were endangered or threatened as a result of 5 or more factors, and less than 7 percent of fish species were identified as imperiled because of a single factor. During the past few hundred years, human activities have increased species extinction rates by around 1,000 times the Earth's background extinction rates (MEA 2005b).

The primary threats that have caused species to become listed as endangered or threatened under the ESA are habitat loss and degradation, invasive species and other species, pollution, overharvesting and overhunting, transient human disturbances, and climate/natural disasters (Evans et al. 2016). According to the Millennium Ecosystem Assessment (2005b), the main causes of species declines worldwide to prompt listing as endangered or threatened are habitat loss and degradation, introduction of species, overexploitation, disease, and climate change. In a global examination of vertebrate species, Hoffman et al. (2010) concluded that the main drivers of biodiversity loss are agricultural expansion, logging, invasive alien species, and logging. According to Lawler et al. (2002), the most common threats to listed species are resource extraction/exploitation, exotic species, construction activities, and changes to habitat dynamics.

Habitat degradation also includes changes in habitat quality caused by habitat fragmentation and pollution. Habitat fragmentation can occur in rivers, and is characterized by disruption of a river's natural flow regime by dams, inter-basin water transfers, or water withdrawals and affects 90 percent of the world's river water volume

(MEA 2005b). Invasive alien species are a major cause of species endangerment in freshwater habitats (MEA 2005b). Losses of biological diversity are directly caused by habitat modifications, including land use changes, alteration of river and stream flows, water withdrawals from rivers, losses of coral reefs, and alteration of the sea bed caused by trawling (MEA 2005b). Other direct causes of losses of biodiversity include pollution, invasive species, species overexploitation, climate change, and disease (MEA 2005b). The vast majority of these drivers for species declines or factors leading to species being listed as endangered or threatened are caused by activities that the Corps has no authority to regulate. While some land use changes or habitat losses or degradation may be due to NWP activities that authorize discharges of dredged or fill material into waters of the United States, many of these land use changes or habitat losses occur in areas that are not waters of the United States. Land use changes in uplands can have indirect effects on aquatic resources and the species that inhabit those aquatic resources through watershed cumulative effects that degrade aquatic habitats (Reid 1993).

There are often multiple factors interacting with each other to reduce biodiversity, instead of single factors working alone (Brook et al. 2008, MEA 2005b, Wilcove et al. 1998, Venter et al. 2006, Czech and Krausman 1997, Richter et al. 1997, Collen et al. 2013, and Lawler et al. 2002). Lawler et al. (2002) estimated that most listed species (approximately 85%) are affected by at least four of nine general categories of threats, which include: resource use, exotic species, construction (e.g., roads, commercial, urban/suburban development, utilities), changes to habitat dynamics, agriculture, interactions with non-exotic species, pollution, water diversions, and other factors such as climate change, inbreeding depression, and catastrophic events. It is difficult to determine the relative contribution of each cause of species decline or endangerment (Czech and Krausman 1997). Most threats to listed species identified in recovery plans have been occurring for long periods of time (Lawler et al. 2002).

Brook et al. (2008) determined that habitat destruction and overexploitation are the major causes of species declines, with habitat degradation, climate change, pollution, diseases, and invasive species also being important contributing causes of species declines. They also said that interacting processes and stochastic processes lead to species extinction, and that focusing on managing primary threats to species is unlikely to be effective in preventing extinctions. Brook et al. (2008) recommended that the conservation of species needs to shift focus from addressing single threat drivers to addressing synergistic interactions of multiple threat drivers.

Collen et al. (2013) examined global patterns of threats to freshwater species, and found that the primary threats to these species are habitat loss and degradation, water pollution, and overexploitation. The main drivers of habitat loss and degradation were agricultural, urbanization, infrastructure development, and logging activities in

watersheds (Collen et al. 2013). Dudgeon et al. (2005) identified five categories of threats to freshwater biodiversity: overexploitation of aquatic organisms, water pollution, flow alteration, habitat destruction or degradation; and invasion by exotic species, and these threats are worsened by global-scale environmental changes (e.g., nitrogen deposition and climate change). Dudgeon et al. (2005) recognized that protection of freshwater biodiversity requires control over the upstream drainage area to be effective, including uplands and riparian areas.

Flather et al. (1998) provided a comprehensive list of human activities and environmental changes that contribute to species becoming listed as endangered or threatened under the ESA. These human activities include: agricultural activities, bank modification, boating, river and stream channel modification, climate change, collecting activities, commercial exploitation, environmental contaminants, use of fertilizers, fire suppression, forest alteration, forest clearing, gas/oil development, geothermal development, grazing, groundwater drawdown, harassment/vandalism/indiscriminate killing, use of heavy equipment (e.g., construction, logging, military), application of herbicides, construction and expansion of highways/railroads, hiking/camping, incidental killing, introduction of exotic species, off-road vehicles, oil spills, passage barriers (e.g., dams, locks, gates), application of pesticides, poaching, recreational areas, reservoir development, residential development activities, industrial development activities, rock climbing, shoreline modification, spelunking, sport hunting/fishing, subsistence hunting/fishing, surface drainage, surface mines, transmission lines/towers, underground mines, water diversion, and wetland filling. Some of these activities may be regulated by the Corps under Section 404 of the Clean Water Act and Section 10 of the Rivers and Harbors Act and some of these activities may be authorized by NWP's, but a substantial majority of these activities are not regulated by the Corps. They may be regulated by other federal agencies, or state or local government agencies, or not regulated by any government agency.

Wilcove et al. (1998) evaluated five categories of threats to species in the United States and conducted further analyses on the types of habitat destruction that caused species to be listed as endangered or threatened under the Endangered Species Act. The five categories of threats were habitat destruction, alien species, overharvest, pollution, and disease. Wilcove et al. (1998) focused on species under the jurisdiction of the U.S. Fish and Wildlife Service. More than half of the endangered and threatened species under the jurisdiction of the NMFS were listed after this study was published. Wilcove et al. (1998) found information on the threats to 1,880 species, out of a total of 2,490 species that were categorized as imperiled at that time. Habitat destruction and degradation was the most common threat, a factor for 85 percent of the imperiled species analyzed. The second most common threat was competition with non-native species, or predation by

those species. For aquatic animal species, pollution was the second most common cause of endangerment, after habitat loss (Wilcove et al. 1998).

To more closely examine the causes of habitat loss, Wilcove et al. (1998) analyzed U.S. Fish and Wildlife endangered species listing documents and identified 14 categories of habitat loss or degradation: agriculture; livestock grazing; mining and oil and gas extraction; logging; infrastructure development; road construction and maintenance; military activities; outdoor recreation; use of off-road vehicles; water development projects (e.g., water diversions, flood control facilities; drainage projects; aquaculture; navigation); dams, impoundments, and other water barriers; pollutants (e.g., sediment and mining pollutants); residential and commercial developments; and disruption of fire ecology. Many species were subject to more than one cause of endangerment (Wilcove et al. 1998). Agriculture was the leading cause of habitat destruction, affecting 38 percent of endangered species, followed by residential and commercial development (35 percent), water development (30 percent), and infrastructure development (17 percent). Habitat destruction caused by water development affected 91 percent of listed fish species and 99 percent of listed mussel species.

Richter et al. (1997) studied the factors that endanger freshwater animals. The most significant threats to those species are habitat destruction, habitat fragmentation, pollution, and exotic species. Richter et al. (1997) also looked at the stressors that are impeding the recovery of aquatic species at risk of extinction and found that changes in stream bed substrate composition (e.g., siltation), hydrologic alteration, interactions with other species, nutrient inputs, and habitat destruction were the most common factors. The major sources of stressors to aquatic species are agricultural land use, urban land use, energy generation industries (especially hydroelectric power), and exotic species (Richter et al. 1997). Agricultural activity was identified as having significant adverse effects on aquatic species through non-point source pollution (sediment and nutrients), interactions with exotic species, and water impoundments (Richter et al. 1997). Water impoundments cause changes in hydrology, as well as habitat destruction and fragmentation. Urban land use resulted in much less non-point source pollution than agricultural activities (Richter et al. 1997).

It should be noted that in these studies on species threats and endangerment, the categories of human activities are discussed in general terms, and may include activities in uplands as well as activities in jurisdictional and non-jurisdictional waters and wetlands. Climate change will also alter species distributions, and extinction may occur for those species that cannot adjust to the changes in climate (Starzmoski 2013).

There are a multitude of federal, non-federal, and private actions that affect listed species and designated critical habitat under the jurisdiction of the NMFS. Many of the threats to listed species and their critical habitat are the result of watershed-scale

processes, such as changes in land use that alters river and stream hydrology and non-point sources of pollution (e.g., sediments, nutrients, contaminants) that degrade water quality and structural habitat quality in rivers, wetlands, and other waterbodies and reduce their ability to support viable populations of endangered and threatened species. Activities that do not require federal authorization, such as the alteration or removal of riparian vegetation from non-wetland riparian areas, also have adverse cumulative effects on many listed species under the jurisdiction of the U.S. FWS or NMFS. The removal of riparian vegetation is only regulated by the Corps when the riparian area is a jurisdictional wetland and the removal of that riparian vegetation involves a discharge of dredged or fill material into waters of the United States. Landowners may remove vegetation from wetland riparian areas up to the river or stream bank without a section 404 permit if they do not disturb the soil to cause a regulated discharge of dredged material. Discharges of pollutants regulated under Section 402 of the Clean Water Act and authorized by the U.S. EPA or states with approved programs through National Pollutant Discharge Elimination System permits also degrade water quality. Non-point sources of pollutants that adversely affect water quality are generally not regulated under the Clean Water Act, but they may be addressed through the establishment of total daily maximum loads under Section 303 of the Clean Water Act.

The U.S. FWS and NMFS regulations for ESA section 7 require biological opinions to assess the status of listed species and critical habitat (including threats and trends), the environmental baseline of the action area, and cumulative effects (84 FR 44983). With respect to the Corps' NWP program, the environmental baseline includes the present effects of past activities authorized by previous iterations of the NWPs, from 1977 to 2017. As defined by 50 CFR 402.02, cumulative effects are the effects of future state or private activities, not involving Federal activities, that are reasonably certain to occur within the action area of the federal action subject to consultation. With respect to the Corps' NWP program, the ESA cumulative effects are caused by future state or private activities that do not require DA authorization, but are considered by the U.S. FWS and NMFS when they write their biological opinions for proposed federal actions.

The Corps is responsible for reviewing NWP PCNs, monitoring the use of the NWPs over time (including the cumulative effects caused by the use of those NWPs), and conducting ESA section 7 consultation for any proposed NWP activity that may affect listed species or designated critical habitat. As the agencies with primary responsibility for implementing the ESA, the U.S. FWS and NMFS are responsible for tracking cumulative impacts to listed species and designated critical habitat caused by actions by all federal agencies, as well as cumulative impacts that are caused by state or private actions. Therefore, the U.S. FWS and NMFS are responsible for evaluating and monitoring the actions of the Corps and other federal departments or agencies to determine whether the cumulative effects of federal agency actions are likely to

jeopardize the continued existence of listed species or adversely modify or destroy designated critical habitat. Those other federal agencies include other agencies in the Department of Defense as well as other federal departments and agencies such as the Department of Agriculture, Federal Emergency Management Agency, Department of Transportation, Federal Highway Administration, U.S. Environmental Protection Agency, the Federal Energy Regulatory Commission, the Department of Housing and Urban Development, and the Department of the Interior. The U.S. FWS and NMFS are also responsible for monitoring the effects of state and private actions and considering how those effects affect the status of listed species and designated critical habitat. As discussed in this section, there are a wide variety of federal, state, and private actions that may affect listed species and designated critical habitat and contribute to the decline of listed species and the habitats they utilize. The discharges of dredged or fill material into waters of the United States and structures and work in navigable waters of the United States authorized by the NWP are a small subset of those federal, state, and private actions.

With respect to the cumulative impacts caused by activities authorized by the NWP during the 5-year period the NWP are anticipated to be in effect, the Corps is responsible for tracking the number of times the NWP are used to authorize regulated activities, as well as the authorized impacts and any compensatory mitigation required by district engineers. For NWP activities that require PCNs or are reported to Corps districts through voluntary PCNs, the Corps tracks the use of these NWP, the authorized impacts, and the required compensatory mitigation. For NWP activities that do not require PCNs and are not reported to Corps districts through voluntary PCNs, the Corps estimates the number of times those non-PCN NWP may be used during the 5-year period the NWP are expected to be in effect. For those non-PCN activities, the Corps also estimates the impacts to waters of the United States. The Corps does not estimate the compensatory mitigation required for NWP activities that are not reported to the Corps, because compensatory mitigation is only required when a district engineer reviews a PCN and determines that compensatory mitigation is necessary to ensure that the proposed NWP activity will result in no more than minimal individual and cumulative adverse environmental effects and the district engineer adds conditions to the NWP authorization.

### **4.3 Conclusion**

Because of the framework described in section 2.0 of this biological assessment, the issuance or reissuance of NWP through the rulemaking process has no effect on listed

species and designated critical habitat. The rulemaking process to issue or reissue the NWP does not require ESA section 7 consultation because no activities authorized by any NWP “may affect” listed species or designated critical habitat without first completing activity-specific ESA Section 7 consultations with the U.S. FWS and/or NMFS, as required by general condition 18 and 33 CFR 330.4(f). Regional programmatic ESA section 7 consultations may also be used to satisfy the requirements of the NWP in general condition 18 and 33 CFR 330.4(f) if the district engineer determines a proposed NWP activity is covered by that regional programmatic consultation. Therefore, there is no requirement that the Corps undertake a national programmatic ESA section 7 consultation for the rulemaking conducted by Corps Headquarters to issue or reissue the NWP.

## 5.0 Endangered Species Act Consultations Under the 2017 Nationwide Permits

The tables in this section provide information on the number of formal and informal ESA section 7(a)(2) consultations that were conducted for activities authorized under the 2017 NWPs during the period of March 19, 2017, to October 25, 2020. These tables also provide the number of times regional programmatic section 7 consultations were used to provide ESA section 7 compliance for NWP activities verified during this time period. Table 5.1 lists the number of section 7 consultations for listed species under the jurisdiction of the U.S. Fish and Wildlife Service. Table 5.2 lists the number of section 7 consultations for listed species under the jurisdiction of the National Marine Fisheries Service. Regional programmatic consultations, coordination documents, and other tools that have been developed or are being developed by Corps districts and regional and field offices of the U.S. FWS and NMFS that were in effect as of November 2020, are listed in Appendix C.

**Table 5.1 – ESA Section 7 Consultations for Listed Species Under U.S. Fish and Wildlife Jurisdiction for Nationwide Permit Activities Verified Between March 19, 2017, to October 20, 2020**

Species Name	Formal	Informal	Programmatic
Acornshell, Southern ( <i>Epioblasma othcaloogensis</i> )		5	
Albatross, Short-Tailed ( <i>Phoebastria (=diomedea) albatrus</i> )		6	
Alligator, American ( <i>Alligator mississippiensis</i> )		1	1
Alopecurus, Sonoma ( <i>Alopecurus aequalis</i> var. <i>sonomensis</i> )	1	1	
Amaranth, Seabeach ( <i>Amaranthus pumilus</i> )	1	5	6
Ambrosia, San Diego ( <i>Ambrosia pumila</i> )	2		
Amphianthus, Little ( <i>Amphianthus pusillus</i> )	3	2	12
Amphipod, Illinois Cave ( <i>Gammarus acherondytes</i> )		1	
Arrowhead, Bunched ( <i>Sagittaria fasciculata</i> )		6	
Aster, Decurrent False ( <i>Boltonia decurrens</i> )	1	4	1
Aster, Georgia ( <i>Symphyotrichum georgianum</i> )		1	
Aster, Ruth's Golden ( <i>Pityopsis ruthii</i> )		1	
Avens, Spreading ( <i>Geum radiatum</i> )		10	
Bankclimber, Purple (Mussel) ( <i>Elliptoideus sloatianus</i> )	2	9	32

<b>Species Name</b>	<b>Formal</b>	<b>Informal</b>	<b>Programmatic</b>
Bat, Florida Bonneted ( <i>Eumops floridanus</i> )	40	179	138
Bat, Gray ( <i>Myotis grisescens</i> )	17	459	152
Bat, Hawaiian Hoary ( <i>Lasiurus cinereus semotus</i> )		19	
Bat, Indiana ( <i>Myotis sodalis</i> )	62	2,858	498
Bat, Mexican Long-Nosed ( <i>Leptonycteris nivalis</i> )		1	3
Bat, Northern Long-Eared ( <i>Myotis septentrionalis</i> )	67	3,682	5,096
Bat, Ozark Big-Eared ( <i>Corynorhinus (=plecotus) townsendii ingens</i> )		16	3
Bat, Virginia Big-Eared ( <i>Corynorhinus (=plecotus) townsendii virginianus</i> )		47	16
Beak, Palmate-Bracted Bird's ( <i>Cordylanthus palmatus</i> )	1	3	1
Beaked-Rush, Knieskern's ( <i>Rhynchospora knieskernii</i> )		1	
Bean, Choctaw ( <i>Villosa choctawensis</i> )	1	14	5
Bean, Cumberland (Pearlymussel) ( <i>Villosa trabalis</i> )		48	2
Bean, Purple ( <i>Villosa perpurpurea</i> )	3	26	2
Bean, Rayed ( <i>Villosa fabalis</i> )	6	155	2
Bear, American Black ( <i>Ursus americanus</i> )		1	5
Bear, Grizzly ( <i>Ursus arctos horribilis</i> )	1	13	5
Bear, Louisiana Black ( <i>Ursus americanus luteolus</i> )			17
Bear, Polar ( <i>Ursus maritimus</i> )		96	54
Bee, Anthricinan Yellow-Faced ( <i>Hylaeus anthracinus</i> )		1	
Bee, Assimulans Yellow-Faced ( <i>Hylaeus assimulans</i> )		1	
Bee, Easy Yellow-Faced ( <i>Hylaeus facilis</i> )		1	
Bee, Rusty Patched Bumble ( <i>Bombus affinis</i> )		9	1
Beetle, [No Common Name] ( <i>Rhadine exilis</i> )	1		
Beetle, [No Common Name] ( <i>Rhadine infernalis</i> )	1		
Beetle, American Burying ( <i>Nicrophorus americanus</i> )	2	103	8
Beetle, Casey's June ( <i>Dinacoma caseyi</i> )	2	1	
Beetle, Comal Springs Riffle ( <i>Heterelmis comalensis</i> )		2	
Beetle, Delta Green Ground ( <i>Elaphrus viridis</i> )	1		
Beetle, Hungerford's Crawling Water ( <i>Brychius hungerfordi</i> )	1		
Beetle, Northeastern Beach Tiger ( <i>Cicindela dorsalis dorsalis</i> )		7	
Beetle, Salt Creek Tiger ( <i>Cicindela nevadica lincolniana</i> )		8	3
Beetle, Valley Elderberry Longhorn ( <i>Desmocerus californicus dimorphus</i> )	20	16	1
Bird's-Beak, Soft ( <i>Cordylanthus mollis</i> ssp. <i>mollis</i> )	11	9	1
Bladderpod, Missouri ( <i>Physaria filiformis</i> )		4	3
Bladderpod, Short's ( <i>Physaria globosa</i> )	1	56	
Blossom, Green (Pearlymussel) ( <i>Epioblasma torulosa gubernaculum</i> )		9	1
Blossom, Tubercled (Pearlymussel) ( <i>Epioblasma torulosa torulosa</i> )		34	
Blossom, Turgid (Pearlymussel) ( <i>Epioblasma turgidula</i> )		3	

<b>Species Name</b>	<b>Formal</b>	<b>Informal</b>	<b>Programmatic</b>
Bluet, Roan Mountain ( <i>Hedyotis purpurea</i> var. <i>montana</i> )		2	
Boa, Puerto Rican ( <i>Epicrates inornatus</i> )		2	
Brodiaea, Chinese Camp ( <i>Brodiaea pallida</i> )		1	
Brodiaea, Thread-Leaved ( <i>Brodiaea filifolia</i> )	2		
Bulrush, Northeastern ( <i>Scirpus ancistrochaetus</i> )		1	
Bush-Clover, Prairie ( <i>Lespedeza leptostachya</i> )		1	
Butterfly, Callippe Silverspot ( <i>Speyeria callippe callippe</i> )	2		
Butterfly, El Segundo Blue ( <i>Euphilotes battoides allyni</i> )	1		
Butterfly, Fender's Blue ( <i>Icaricia icarioides fenderi</i> )	1		
Butterfly, Karner Blue ( <i>Lycaeides melissa samuelis</i> )		42	2
Butterfly, Lange's Metalmark ( <i>Apodemia mormo langei</i> )	1		
Butterfly, Miami Blue ( <i>Cyclargus (=hemiargus) thomasi bethunebakeri</i> )			2
Butterfly, Mission Blue ( <i>Icaricia icarioides missionensis</i> )		2	
Butterfly, Mitchell's Satyr ( <i>Neonympha mitchellii mitchellii</i> )		14	1
Butterfly, Oregon Silverspot ( <i>Speyeria zerene hippolyta</i> )			1
Butterfly, Quino Checkerspot ( <i>Euphydryas editha quino (=e. e. wrightii)</i> )	4		
Butterfly, San Bruno Elfin ( <i>Callophrys mossii bayensis</i> )		1	
Butterfly, Schaus Swallowtail ( <i>Heraclides aristodemus ponceanus</i> )			43
Butterfly, Smith's Blue ( <i>Euphilotes enoptes smithi</i> )		1	
Butterweed, Layne's ( <i>Senecio layneae</i> )	1		
Butterwort, Godfrey's ( <i>Pinguicula ionantha</i> )		1	
Button-Celery, San Diego ( <i>Eryngium aristulatum</i> var. <i>parishii</i> )	2		
Buttons, Mohr's Barbara'S ( <i>Marshallia mohrii</i> )			2
Cactus, Black Lace ( <i>Echinocereus reichenbachii</i> var. <i>albertii</i> )		8	
Cactus, Key Tree ( <i>Pilosocereus robinii</i> )			9
Cactus, Pima Pineapple ( <i>Coryphantha scheeri</i> var. <i>robustispina</i> )			3
Cactus, Siler Pincushion ( <i>Pediocactus (=echinocactus,=utahia) sileri</i> )		1	
Cactus, Tobusch Fishhook ( <i>Sclerocactus brevihamatus</i> ssp. <i>tobuschii</i> )	3	2	
Caddisfly, Sequatchie ( <i>Glyphopsyche sequatchie</i> )		1	
Campeloma, Slender ( <i>Campeloma decampi</i> )			1
Campion, Fringed ( <i>Silene polypetala</i> )		2	1
Caracara, Audubon's Crested ( <i>Polyborus plancus audubonii</i> )	6	42	20
Caribou, Woodland ( <i>Rangifer tarandus caribou</i> )			1
Catchfly, Spalding's ( <i>Silene spaldingii</i> )		2	2
Catspaw, White (Pearlymussel) ( <i>Epioblasma obliquata perobliqua</i> )		4	

<b>Species Name</b>	<b>Formal</b>	<b>Informal</b>	<b>Programmatic</b>
Cavefish, Ozark ( <i>Amblyopsis rosae</i> )		6	
Chaffseed, American ( <i>Schwalbea americana</i> )		4	16
Checker-Mallow, Keck's ( <i>Sidalcea keckii</i> )	1	1	
Checker-Mallow, Nelson's ( <i>Sidalcea nelsoniana</i> )	1	1	
Checkerspot, Taylor's (=Whulge) ( <i>Euphydryas editha taylori</i> )	1		
Chub, Bonytail ( <i>Gila elegans</i> )	9	13	3
Chub, Chihuahua ( <i>Gila nigrescens</i> )	1		
Chub, Headwater ( <i>Gila nigra</i> )	1		
Chub, Humpback ( <i>Gila cypha</i> )	9	11	2
Chub, Slender ( <i>Erimystax cahni</i> )		13	1
Chub, Spotfin ( <i>Erimonax monachus</i> )	3	34	2
Chub, Virgin River ( <i>Gila seminuda</i> (=robusta))		1	
Clarkia, Pismo ( <i>Clarkia speciosa</i> ssp. <i>immaculata</i> )		1	
Clover, Running Buffalo ( <i>Trifolium stoloniferum</i> )	4	285	10
Clover, Showy Indian ( <i>Trifolium amoenum</i> )		2	
Clubshell ( <i>Pleurobema clava</i> )	6	257	6
Clubshell, Ovate ( <i>Pleurobema perovatum</i> )		14	7
Clubshell, Southern ( <i>Pleurobema decisum</i> )		23	12
Combshell, Cumberlandian ( <i>Epioblasma brevidens</i> )	1	33	1
Combshell, Upland ( <i>Epioblasma metastriata</i> )		8	4
Condor, California ( <i>Gymnogyps californianus</i> )	1	1	
Coneflower, Smooth ( <i>Echinacea laevigata</i> )		21	8
Coot, Hawaiian ( <i>Fulica americana alai</i> )		13	1
Crane, Mississippi Sandhill ( <i>Grus canadensis pulla</i> )		13	64
Crane, Whooping ( <i>Grus americana</i> )	10	86	4
Crayfish, Big Sandy ( <i>Cambarus callainus</i> )	6	17	2
Crayfish, Guyandotte River ( <i>Cambarus veteranus</i> )		2	
Crayfish, Nashville ( <i>Orconectes shoupi</i> )	1	7	56
Cress, Kentucky Glade ( <i>Leavenworthia exigua laciniata</i> )	1	10	
Cress, Shale Barren Rock ( <i>Arabis serotina</i> )			1
Crocodile, American ( <i>Crocodylus acutus</i> )	2	13	623
Cuckoo, Yellow-Billed ( <i>Coccyzus americanus</i> )	12	92	18
Dace, Blackside ( <i>Phoxinus cumberlandensis</i> )	3	26	1
Dace, Laurel ( <i>Chrosomus saylori</i> )		2	
Daisy, Lakeside ( <i>Hymenoxys herbacea</i> )		22	
Daisy, Willamette ( <i>Erigeron decumbens</i> )	1		
Darter, Amber ( <i>Percina antesella</i> )		19	5
Darter, Bayou ( <i>Etheostoma rubrum</i> )		2	2
Darter, Bluemask ( <i>Etheostoma akatulo</i> )		6	
Darter, Candy ( <i>Etheostoma osburni</i> )		1	
Darter, Cherokee ( <i>Etheostoma scotti</i> )	1	46	30
Darter, Cumberland ( <i>Etheostoma susanae</i> )	2	8	
Darter, Diamond ( <i>Crystallaria cincotta</i> )		12	
Darter, Duskytail ( <i>Etheostoma percnurum</i> )		21	

<b>Species Name</b>	<b>Formal</b>	<b>Informal</b>	<b>Programmatic</b>
Darter, Etowah ( <i>Etheostoma etowahae</i> )		20	4
Darter, Fountain ( <i>Etheostoma fonticola</i> )		3	
Darter, Goldline ( <i>Percina aurolineata</i> )	1	13	3
Darter, Kentucky Arrow ( <i>Etheostoma spilotum</i> )	1	2	
Darter, Niangua ( <i>Etheostoma nianguae</i> )	1	12	
Darter, Pearl ( <i>Percina aurora</i> )		3	55
Darter, Rush ( <i>Etheostoma phytophilum</i> )		1	5
Darter, Snail ( <i>Percina tanasi</i> )	3	15	
Darter, Trispot ( <i>Etheostoma trisella</i> )		2	1
Darter, Watercress ( <i>Etheostoma nuchale</i> )		1	
Darter, Yellowcheek ( <i>Etheostoma moorei</i> )	1	1	
Deer, Columbian White-Tailed ( <i>Odocoileus virginianus leucurus</i> )		6	2
Deer, Key ( <i>Odocoileus virginianus clavium</i> )		1	31
Desert-Parsley, Bradshaw's ( <i>Lomatium bradshawii</i> )	1		
Dragonfly, Hine's Emerald ( <i>Somatochlora hineana</i> )	1	5	
Dropwort, Canby's ( <i>Oxypolis canbyi</i> )			25
Duck, Hawaiian (=Koloa) ( <i>Anas wyvilliana</i> )		13	
Eagle, Bald ( <i>Haliaeetus leucocephalus</i> )		19	11
Ebonysnail, Round ( <i>Fusconaia rotulata</i> )		6	2
Eider, Spectacled ( <i>Somateria fischeri</i> )	1	99	54
Eider, Steller's ( <i>Polysticta stelleri</i> )	1	100	53
Elepaio, Oahu ( <i>Chasiempis ibidis</i> )		1	
Elktoe, Appalachian ( <i>Alasmidonta raveneliana</i> )	2	37	6
Elktoe, Cumberland ( <i>Alasmidonta atropurpurea</i> )	1	14	
Eye, Higgins (Pearlymussel) ( <i>Lampsilis higginsii</i> )	1	13	
Falcon, Northern Aplomado ( <i>Falco femoralis septentrionalis</i> )		9	
Fanshell ( <i>Cyprogenia stegaria</i> )	4	271	3
Fatmucket, Arkansas ( <i>Lampsilis powellii</i> )	2	22	1
Fern, Alabama Streak-Sorus ( <i>Thelypteris pilosa</i> var. <i>alabamensis</i> )			2
Fern, American Hart's-Tongue ( <i>Asplenium scolopendrium</i> var. <i>americanum</i> )		6	
Fiddleneck, Large-Flowered ( <i>Amsinckia grandiflora</i> )		1	1
Fleabane, Zuni ( <i>Erigeron rhizomatus</i> )		1	
Flower, Morefield's Leather ( <i>Clematis morefieldii</i> )		1	
Flycatcher, Southwestern Willow ( <i>Empidonax traillii extimus</i> )	13	45	
Four-O'Clock, Macfarlane's ( <i>Mirabilis macfarlanei</i> )		1	
Fox, San Joaquin Kit ( <i>Vulpes macrotis mutica</i> )	12	19	1
Frog, California Red-Legged ( <i>Rana draytonii</i> )	100	70	21
Frog, Chiricahua Leopard ( <i>Rana chiricahuensis</i> )	2	2	
Frog, Columbia Spotted ( <i>Rana luteiventris</i> )			1
Frog, Dusky Gopher ( <i>Rana sevosia</i> )		13	259

Species Name	Formal	Informal	Programmatic
Frog, Mountain Yellow-Legged ( <i>Rana muscosa</i> )		2	
Frog, Oregon Spotted ( <i>Rana pretiosa</i> )	2	4	2
Frog, Sierra Nevada Yellow-Legged ( <i>Rana sierrae</i> )	1	6	
Gallinule, Hawaiian Common ( <i>Gallinula galeata sandvicensis</i> )		4	
Gartersnake, Narrow-Headed ( <i>Thamnophis rufipunctatus</i> )	2	2	
Gartersnake, Northern Mexican ( <i>Thamnophis eques megalops</i> )	2	14	1
Gerardia, Sandplain ( <i>Agalinis acuta</i> )		3	
Gnatcatcher, Coastal California ( <i>Polioptila californica californica</i> )	26	16	1
Goby, Tidewater ( <i>Eucyclogobius newberryi</i> )	14	13	
Goldenrod, Blue Ridge ( <i>Solidago spithamea</i> )		1	
Goldenrod, Houghton's ( <i>Solidago houghtonii</i> )	1	3	
Goldenrod, Short's ( <i>Solidago shortii</i> )		1	
Goldfields, Burke's ( <i>Lasthenia burkei</i> )	14	1	3
Goldfields, Contra Costa ( <i>Lasthenia conjugens</i> )	3	1	1
Goose, Hawaiian ( <i>Branta (=nesochen) sandvicensis</i> )		6	
Gopher, Olympia Pocket ( <i>Thomomys mazama pugetensis</i> )		1	
Gopher, Tenino Pocket ( <i>Thomomys mazama tumuli</i> )		1	
Gopher, Yelm Pocket ( <i>Thomomys mazama yelmensis</i> )		1	
Grass, California Orcutt ( <i>Orcuttia californica</i> )	2		
Grass, Sacramento Orcutt ( <i>Orcuttia viscida</i> )	1		
Grass, Slender Orcutt ( <i>Orcuttia tenuis</i> )		2	
Grass, Tennessee Yellow-Eyed ( <i>Xyris tennesseensis</i> )		7	
Ground-Plum, Guthrie's (=Pyne'S) ( <i>Astragalus bibullatus</i> )		2	
Harperella ( <i>Ptilimnium nodosum</i> )		19	8
Heartleaf, Dwarf-Flowered ( <i>Hexastylis naniflora</i> )	3	32	97
Heelsplitter, Carolina ( <i>Lasmigona decorata</i> )	4	150	32
Heelsplitter, Inflated ( <i>Potamilus inflatus</i> )		10	63
Hellbender, Ozark ( <i>Cryptobranchus alleganiensis bishopi</i> )	1	16	1
Hornshell, Texas ( <i>Popenaias popeii</i> )		1	
Howellia, Water ( <i>Howellia aquatilis</i> )	1		1
Iris, Dwarf Lake ( <i>Iris lacustris</i> )	1	2	
Irisette, White ( <i>Sisyrinchium dichotomum</i> )		1	
Isopod, Madison Cave ( <i>Antrolana lira</i> )		1	1
Jaguarundi, Gulf Coast ( <i>Herpailurus (=felis) yagouaroundi cacomitli</i> )	1	6	
Jewelflower, California ( <i>Caulanthus californicus</i> )	1		
Joint-Vetch, Sensitive ( <i>Aeschynomene virginica</i> )		5	
Kidneyshell, Fluted ( <i>Ptychobranhus subtentum</i> )	1	36	3
Kidneyshell, Southern ( <i>Ptychobranhus jonesi</i> )	1	15	3
Kidneyshell, Triangular ( <i>Ptychobranhus greenii</i> )	1	12	12
Kite, Everglade Snail ( <i>Rostrhamus sociabilis plumbeus</i> )	3	56	18
Knot, Red ( <i>Calidris canutus rufa</i> )	9	241	255

<b>Species Name</b>	<b>Formal</b>	<b>Informal</b>	<b>Programmatic</b>
Ladies-Tresses, Navasota ( <i>Spiranthes parksii</i> )	2	2	
Ladies'-Tresses, Ute ( <i>Spiranthes diluvialis</i> )	2	16	
Lampmussel, Alabama ( <i>Lampsilis virescens</i> )	1	20	
Lance, Yellow ( <i>Elliptio lanceolata</i> )	14	66	31
Lark, Streaked Horned ( <i>Eremophila alpestris strigata</i> )	1	25	17
Lichen, Rock Gnome ( <i>Gymnoderma lineare</i> )		2	2
Lilliput, Pale (Pearlymussel) ( <i>Toxolasma cylindrellus</i> )	2	1	
Lily, Western ( <i>Lilium occidentale</i> )			1
Lion, Steller Sea ( <i>Eumetopias jubatus</i> )		2	
Lioplax, Cylindrical (Snail) ( <i>Lioplax cyclostomaformis</i> )	1	3	
Lizard, Blunt-Nosed Leopard ( <i>Gambelia silus</i> )	3	5	
Lizard, Coachella Valley Fringe-Toed ( <i>Uma inornata</i> )	4		
Logperch, Conasauga ( <i>Percina jenkinsi</i> )		2	
Logperch, Roanoke ( <i>Percina rex</i> )	6	89	1
Loosestrife, Rough-Leaved ( <i>Lysimachia asperulaefolia</i> )		3	
Lupine, Kincaid's ( <i>Lupinus sulphureus</i> ssp. <i>kincaidii</i> )	1		
Lynx, Canada ( <i>Lynx canadensis</i> )	9	29	16
Madtom, Carolina ( <i>Noturus furiosus</i> )			
Madtom, Neosho ( <i>Noturus placidus</i> )		7	
Madtom, Pygmy ( <i>Noturus stanauli</i> )		4	
Madtom, Scioto ( <i>Noturus trautmani</i> )		12	
Madtom, Yellowfin ( <i>Noturus flavipinnis</i> )		21	
Manaca, Palma De ( <i>Calyptronoma rivalis</i> )			1
Manatee, West Indian ( <i>Trichechus manatus</i> )	18	190	4,598
Mapleleaf, Winged ( <i>Quadrula fragosa</i> )		12	
Marstonia, Royal (Snail) ( <i>Pyrgulopsis ogmorhappe</i> )		3	
Massasauga, Eastern (=Rattlesnake) ( <i>Sistrurus catenatus</i> )	2	223	15
Meadowfoam, Butte County ( <i>Limnanthes floccosa</i> ssp. <i>californica</i> )	1	1	
Meadowfoam, Sebastopol ( <i>Limnanthes vinculans</i> )	14	1	3
Meadowrue, Cooley's ( <i>Thalictrum cooleyi</i> )		1	
Mesa-Mint, Otay ( <i>Pogogyne nudiuscula</i> )	2		
Meshweaver, Madla Cave ( <i>Cicurina madla</i> )		1	
Milk-Vetch, Braunton's ( <i>Astragalus brauntonii</i> )		1	
Milk-Vetch, Coachella Valley ( <i>Astragalus lentiginosus</i> var. <i>coachellae</i> )	4	1	
Milk-Vetch, Holmgren ( <i>Astragalus holmgreniorum</i> )		1	
Milk-Vetch, Ventura Marsh ( <i>Astragalus pycnostachyus</i> var. <i>lanosissimus</i> )		1	
Milkweed, Mead's ( <i>Asclepias meadii</i> )		17	2
Minnow, Devils River ( <i>Dionda diaboli</i> )	2		
Minnow, Loach ( <i>Tiaroga cobitis</i> )	3	1	
Minnow, Rio Grande Silvery ( <i>Hybognathus amarus</i> )	1		
Moccasinshell, Alabama ( <i>Medionidus acutissimus</i> )		13	11
Moccasinshell, Coosa ( <i>Medionidus parvulus</i> )		4	3

<b>Species Name</b>	<b>Formal</b>	<b>Informal</b>	<b>Programmatic</b>
Moccasinshell, Gulf ( <i>Medionidus penicillatus</i> )	4	8	31
Moccasinshell, Ochlockonee ( <i>Medionidus simpsonianus</i> )		2	1
Moccasinshell, Suwannee ( <i>Medionidus walkeri</i> )		2	
Monkeyface, Appalachian (Pearlymussel) ( <i>Quadrula sparsa</i> )		13	1
Monkeyface, Cumberland (Pearlymussel) ( <i>Quadrula intermedia</i> )		19	1
Monkey-Flower, Michigan ( <i>Mimulus michiganensis</i> )	1		
Monkshood, Northern Wild ( <i>Aconitum noveboracense</i> )		33	
Moorhen, Hawaiian Common ( <i>Gallinula chloropus sandvicensis</i> )		6	1
Moth, Blackburn's Sphinx ( <i>Manduca blackburni</i> )		3	
Moth, Kern Primrose Sphinx ( <i>Euproserpinus euterpe</i> )	2		
Mouse, Alabama Beach ( <i>Peromyscus polionotus ammobates</i> )	1	1	14
Mouse, Choctawhatchee Beach ( <i>Peromyscus polionotus allophrys</i> )	3	4	
Mouse, Key Largo Cotton ( <i>Peromyscus gossypinus allapaticola</i> )		1	21
Mouse, New Mexico Meadow Jumping ( <i>Zapus hudsonius luteus</i> )	1	7	
Mouse, Perdido Key Beach ( <i>Peromyscus polionotus trissyllepsis</i> )			8
Mouse, Preble's Meadow Jumping ( <i>Zapus hudsonius preblei</i> )	58	43	5
Mouse, Salt Marsh Harvest ( <i>Reithrodontomys raviventris</i> )	32	22	1
Mouse, Southeastern Beach ( <i>Peromyscus polionotus niveiventris</i> )		1	1
Mouse, St. Andrew Beach ( <i>Peromyscus polionotus peninsularis</i> )		3	
Mucket, Neosho ( <i>Lampsilis rafinesqueana</i> )		21	
Mucket, Orangenacre ( <i>Lampsilis perovalis</i> )		10	4
Mucket, Pink (Pearlymussel) ( <i>Lampsilis abrupta</i> )	8	293	6
Murrelet, Marbled ( <i>Brachyramphus marmoratus</i> )	14	159	972
Mussel, Oyster ( <i>Epioblasma capsaeformis</i> )		45	2
Mussel, Scaleshell ( <i>Leptodea leptodon</i> )		34	2
Mussel, Sheepnose ( <i>Plethobasus cyphus</i> )	9	322	10
Mussel, Snuffbox ( <i>Epioblasma triquetra</i> )	7	354	17
Mustard, Carter's ( <i>Warea carteri</i> )		1	
Name, No Common ( <i>Geocarpon minimum</i> )		15	3
Navarretia, Spreading ( <i>Navarretia fossalis</i> )	3		
Newt, Striped ( <i>Notophthalmus perstriatus</i> )			9
Ocelot ( <i>Leopardus (=felis) pardalis</i> )	1	5	
Orchid, Eastern Prairie Fringed ( <i>Platanthera leucophaea</i> )		111	5
Orchid, Western Prairie Fringed ( <i>Platanthera praeclara</i> )	3	12	1
Orchid, White Fringeless ( <i>Platanthera integrilabia</i> )		20	7

<b>Species Name</b>	<b>Formal</b>	<b>Informal</b>	<b>Programmatic</b>
Otter, Northern Sea ( <i>Enhydra lutris kenyoni</i> )		5	6
Otter, Southern Sea ( <i>Enhydra lutris nereis</i> )		12	
Owl, Mexican Spotted ( <i>Strix occidentalis lucida</i> )	4	12	
Owl, Northern Spotted ( <i>Strix occidentalis caurina</i> )	15	24	11
Paintbrush, Golden ( <i>Castilleja levisecta</i> )		1	
Panther, Florida ( <i>Puma (=felis) concolor coryi</i> )	12	28	93
Paw, Purple Cat's (=Purple Cat'S Paw Pearlymussel) ( <i>Epioblasma obliquata obliquata</i> )	1	34	
Pawpaw, Beautiful ( <i>Deeringothamnus pulchellus</i> )			1
Pearlshell, Louisiana ( <i>Margaritifera hembeli</i> )	1		2
Pearlymussel, Birdwing ( <i>Lemiox rimosus</i> )		21	1
Pearlymussel, Cracking ( <i>Hemistena lata</i> )		36	1
Pearlymussel, Curtis ( <i>Epioblasma florentina curtisii</i> )		4	
Pearlymussel, Dromedary ( <i>Dromus dromas</i> )		45	1
Pearlymussel, Littlewing ( <i>Pegias fabula</i> )		38	3
Pearlymussel, Slabside ( <i>Pleuroaia dolabelloides</i> )	2	29	4
Pebblesnail, Flat ( <i>Lepyrium showalteri</i> )		1	
Pelican, Brown ( <i>Pelecanus occidentalis</i> )		1	1
Penstemon, Blowout ( <i>Penstemon haydenii</i> )		1	
Pentachaeta, Lyon's ( <i>Pentachaeta lyonii</i> )	1		
Peppergrass, Slickspot ( <i>Lepidium papilliferum</i> )		2	
Petrel, Hawaiian ( <i>Pterodroma sandwichensis</i> )		8	
Pigeon, Puerto Rican Plain ( <i>Columba inornata wetmorei</i> )		1	
Pigtoe, Atlantic ( <i>Fusconaia masoni</i> )			
Pigtoe, Cumberland ( <i>Pleurobema gibberum</i> )		10	
Pigtoe, Dark ( <i>Pleurobema furvum</i> )		1	2
Pigtoe, Finerayed ( <i>Fusconaia cuneolus</i> )	2	62	2
Pigtoe, Fuzzy ( <i>Pleurobema strodeanum</i> )	1	15	5
Pigtoe, Georgia ( <i>Pleurobema hanleyianum</i> )		3	1
Pigtoe, Heavy ( <i>Pleurobema taitianum</i> )		1	
Pigtoe, Narrow ( <i>Fusconaia escambia</i> )		6	4
Pigtoe, Oval ( <i>Pleurobema pyriforme</i> )	4	12	33
Pigtoe, Rough ( <i>Pleurobema plenum</i> )	2	87	2
Pigtoe, Shiny ( <i>Fusconaia cor</i> )	1	49	4
Pigtoe, Southern ( <i>Pleurobema georgianum</i> )		8	8
Pigtoe, Tapered ( <i>Fusconaia burkei</i> )	1	7	1
Pikeminnow, Colorado (=Squawfish) ( <i>Ptychocheilus lucius</i> )	12	17	2
Pimpleback, Orangefoot (Pearlymussel) ( <i>Plethobasus cooperianus</i> )	1	81	
Pine, Whitebark ( <i>Pinus albicaulis</i> )	1	3	5
Pink, Ring (Mussel) ( <i>Obovaria retusa</i> )	1	69	
Pink, Swamp ( <i>Helonias bullata</i> )		5	
Pinkroot, Gentian ( <i>Spigelia gentianoides</i> )		1	

Species Name	Formal	Informal	Programmatic
Pitcher-Plant, Alabama Canebrake ( <i>Sarracenia rubra</i> ssp. <i>alabamensis</i> )		1	
Pitcher-Plant, Green ( <i>Sarracenia oreophila</i> )		1	
Pitcher-Plant, Mountain Sweet ( <i>Sarracenia rubra</i> ssp. <i>jonesii</i> )		39	1
Plant, Colorado Butterfly ( <i>Gaura neomexicana</i> var. <i>coloradensis</i> )	1	3	
Plover, Piping ( <i>Charadrius melodus</i> )	16	335	318
Plover, Western Snowy ( <i>Charadrius nivosus nivosus</i> )	6	39	853
Pocketbook, Fat ( <i>Potamilus capax</i> )	3	74	13
Pocketbook, Finelined ( <i>Lampsilis altilis</i> )	1	20	12
Pocketbook, Ouachita Rock ( <i>Arkansia wheeleri</i> )		16	
Pocketbook, Shinyrayed ( <i>Lampsilis subangulata</i> )	5	7	33
Pocketbook, Speckled ( <i>Lampsilis streckeri</i> )		2	
Pogonia, Small Whorled ( <i>Isotria medeoloides</i> )		47	
Polygala, Lewton's ( <i>Polygala lewtonii</i> )		1	
Pondberry ( <i>Lindera melissifolia</i> )	2	11	103
Potato-Bean, Price'S ( <i>Apios priceana</i> )	1	12	7
Prairie-Clover, Leafy ( <i>Dalea foliosa</i> )	1	7	
Prickly-Apple, Aboriginal ( <i>Harrisia (=cereus) aboriginum (=gracilis)</i> )			1
Pupfish, Desert ( <i>Cyprinodon macularius</i> )		1	
Quillwort, Black Spored ( <i>Isoetes melanospora</i> )		5	28
Quillwort, Louisiana ( <i>Isoetes louisianensis</i> )		19	138
Quillwort, Mat-Forming ( <i>Isoetes tegetiformans</i> )	1		1
Rabbit, Columbia Basin Pygmy ( <i>Brachylagus idahoensis</i> )			1
Rabbit, Lower Keys Marsh ( <i>Sylvilagus palustris hefneri</i> )		1	54
Rabbit, Riparian Brush ( <i>Sylvilagus bachmani riparius</i> )	1		
Rabbitsfoot ( <i>Quadrula cylindrica cylindrica</i> )	6	153	10
Rabbitsfoot, Rough ( <i>Quadrula cylindrica strigillata</i> )		51	2
Rail, California Clapper ( <i>Rallus longirostris obsoletus</i> )	32	32	1
Rail, Light-Footed Clapper ( <i>Rallus longirostris levipes</i> )	1	7	
Rail, Yuma Clapper ( <i>Rallus longirostris yumanensis</i> )		5	
Rat, Fresno Kangaroo ( <i>Dipodomys nitratoides exilis</i> )	3	4	
Rat, Giant Kangaroo ( <i>Dipodomys ingens</i> )	2		
Rat, Rice ( <i>Oryzomys palustris natator</i> )		1	26
Rat, San Bernardino Merriam's Kangaroo ( <i>Dipodomys merriami parvus</i> )	3	3	
Rat, Stephens' Kangaroo ( <i>Dipodomys stephensi</i> (incl. <i>d. cascus</i> ))	3	1	2
Rattleweed, Hairy ( <i>Baptisia arachnifera</i> )	2		7
Riffleshell, Northern ( <i>Epioblasma torulosa rangiana</i> )	4	81	2
Riffleshell, Tan ( <i>Epioblasma florentina walkeri (=e. walkeri)</i> )	1	9	3
Riversnail, Anthony's ( <i>Athearnia anthonyi</i> )		30	1

<b>Species Name</b>	<b>Formal</b>	<b>Informal</b>	<b>Programmatic</b>
Rock-Cress, Braun's ( <i>Arabis perstellata</i> )		28	
Rockcress, Georgia ( <i>Arabis georgiana</i> )		4	1
Rocksnail, Interrupted (=Georgia) ( <i>Leptoxis foremani</i> )		4	3
Rocksnail, Round ( <i>Leptoxis ampla</i> )	1	1	
Rosemary, Cumberland ( <i>Conradina verticillata</i> )		5	
Roseroot, Leedy's ( <i>Rhodiola integrifolia</i> ssp. <i>leedyi</i> )		1	
Rush-Pea, Slender ( <i>Hoffmannseggia tenella</i> )		1	
Sage-Grouse, Gunnison ( <i>Centrocercus minimus</i> )		12	1
Salamander, Austin Blind ( <i>Eurycea waterlooensis</i> )	2		
Salamander, Barton Springs ( <i>Eurycea sosorum</i> )	2		
Salamander, California Tiger ( <i>Ambystoma californiense</i> )	54	24	6
Salamander, Cheat Mountain ( <i>Plethodon nettingi</i> )			1
Salamander, Frosted Flatwoods ( <i>Ambystoma cingulatum</i> )	3	19	122
Salamander, Georgetown ( <i>Eurycea naufragia</i> )		1	
Salamander, Jemez Mountains ( <i>Plethodon neomexicanus</i> )	1	1	
Salamander, Jollyville Plateau ( <i>Eurycea tonkawae</i> )		1	
Salamander, Red Hills ( <i>Phaeognathus hubrichti</i> )		2	
Salamander, Reticulated Flatwoods ( <i>Ambystoma bishopi</i> )		4	3
Salamander, Salado ( <i>Eurycea chisholmensis</i> )	2		
Salamander, San Marcos ( <i>Eurycea nana</i> )		2	
Salamander, Santa Cruz Long-Toed ( <i>Ambystoma macrodactylum croceum</i> )		1	
Salamander, Texas Blind ( <i>Typhlomolge rathbuni</i> )		2	
Salmon, Chinook ( <i>Oncorhynchus</i> (=salmo) <i>tshawytscha</i> )			1
Sandshell, Southern ( <i>Hamiota australis</i> )	1	13	5
Sand-Verbena, Large-Fruited ( <i>Abronia macrocarpa</i> )	1		
Sandwort, Cumberland ( <i>Arenaria cumberlandensis</i> )		5	
Sandwort, Marsh ( <i>Arenaria paludicola</i> )		1	
Sawfish, Smalltooth ( <i>Pristis pectinata</i> )			1
Scrub-Jay, Florida ( <i>Aphelocoma coerulescens</i> )	14	65	52
Sculpin, Grotto ( <i>Cottus specus</i> )		1	
Seablite, California ( <i>Suaeda californica</i> )	1	1	
Seal, Hawaiian Monk ( <i>Monachus schauinslandi</i> )		1	
Sedge, Golden ( <i>Carex lutea</i> )		1	
Shearwater, Newell's Townsend'S ( <i>Puffinus auricularis newelli</i> )	1	8	
Sheep, Peninsular Bighorn ( <i>Ovis canadensis nelsoni</i> )		1	
Shiner, Arkansas River ( <i>Notropis girardi</i> )	1	7	
Shiner, Blue ( <i>Cyprinella caerulea</i> )		2	
Shiner, Cahaba ( <i>Notropis cahabae</i> )	1	2	
Shiner, Cape Fear ( <i>Notropis mekistocholas</i> )	6	19	3
Shiner, Palezone ( <i>Notropis albizonatus</i> )	2		
Shiner, Pecos Bluntnose ( <i>Notropis simus pecosensis</i> )		1	
Shiner, Topeka ( <i>Notropis topeka</i> (=tristis))	3	66	75

<b>Species Name</b>	<b>Formal</b>	<b>Informal</b>	<b>Programmatic</b>
Shrimp, California Freshwater ( <i>Syncaris pacifica</i> )	4	1	
Shrimp, Conservancy Fairy ( <i>Branchinecta conservatio</i> )		4	
Shrimp, Longhorn Fairy ( <i>Branchinecta longiantenna</i> )			1
Shrimp, Riverside Fairy ( <i>Streptocephalus woottoni</i> )	3		
Shrimp, San Diego Fairy ( <i>Branchinecta sandiegonensis</i> )	11	1	
Shrimp, Vernal Pool Fairy ( <i>Branchinecta lynchi</i> )	25	17	3
Shrimp, Vernal Pool Tadpole ( <i>Lepidurus packardi</i> )	21	16	
Silverside, Waccamaw ( <i>Menidia extensa</i> )			1
Skink, Bluetail Mole ( <i>Eumeces egregius lividus</i> )	2	5	
Skink, Sand ( <i>Neoseps reynoldsi</i> )	4	11	5
Skipper, Dakota ( <i>Hesperia dacotae</i> )		2	
Skipperling, Poweshiek ( <i>Oarisma poweshiek</i> )		1	
Skullcap, Large-Flowered ( <i>Scutellaria montana</i> )		11	
Slabshell, Chipola ( <i>Elliptio chipolaensis</i> )	1	2	
Smelt, Delta ( <i>Hypomesus transpacificus</i> )	33	27	3
Smelt, Longfin ( <i>Spirinchus thaleichthys</i> )		1	
Snail, Armored ( <i>Pyrgulopsis (=marstonia) pachyta</i> )			1
Snail, Bliss Rapids ( <i>Taylorconcha serpenticola</i> )	2	4	
Snail, Humped Tree ( <i>Partula gibba</i> )	1		
Snail, Morro Shoulderband (=Banded Dune) ( <i>Helminthoglypta walkeriana</i> )		1	
Snail, Noonday ( <i>Mesodon clarki nantahala</i> )			1
Snail, Snake River Physa ( <i>Physa natricina</i> )	1	16	
Snail, Stock Island Tree ( <i>Orthalicus reses</i> (not incl. <i>nesodryas</i> ))			19
Snail, Tulotoma ( <i>Tulotoma magnifica</i> )		1	
Snake, Atlantic Salt Marsh ( <i>Nerodia clarkii taeniata</i> )	2	2	4
Snake, Black Pine ( <i>Pituophis melanoleucus lodingi</i> )		12	128
Snake, Copperbelly Water ( <i>Nerodia erythrogaster neglecta</i> )		4	
Snake, Eastern Indigo ( <i>Drymarchon corais couperi</i> )	25	112	2,203
Snake, Giant Garter ( <i>Thamnophis gigas</i> )	32	24	
Snake, Lake Erie Water ( <i>Nerodia sipedon insularum</i> )		1	
Snake, Louisiana Pine ( <i>Pituophis ruthveni</i> )		4	6
Snake, San Francisco Garter ( <i>Thamnophis sirtalis tetrataenia</i> )	7	8	
Sneezeweed, Virginia ( <i>Helenium virginicum</i> )		4	
Sparrow, Cape Sable Seaside ( <i>Ammodramus maritimus mirabilis</i> )		2	
Sparrow, Florida Grasshopper ( <i>Ammodramus savannarum floridanus</i> )		13	5
Spectaclecase (Mussel) ( <i>Cumberlandia monodonta</i> )	2	150	2
Spider, Spruce-Fir Moss ( <i>Microhexura montivaga</i> )		17	2
Spikedace ( <i>Meda fulgida</i> )	3	1	
Spineflower, Robust ( <i>Chorizanthe robusta</i> var. <i>robusta</i> )		1	

<b>Species Name</b>	<b>Formal</b>	<b>Informal</b>	<b>Programmatic</b>
Spineflower, San Fernando Valley (Chorizanthe parryi var. fernandina)		1	
Spineflower, Slender-Horned (Dodecahema leptoceras)		1	
Spiny mussel, Altamaha (Elliptio spinosa)	2	2	6
Spiny mussel, James (Pleurobema collina)	1	41	
Spiny mussel, Tar River (Elliptio steinstansana)	1	53	20
Spiraea, Virginia (Spiraea virginiana)	1	28	
Spurge, Hoover's (Chamaesyce hooveri)		3	
Spurge, Telephus (Euphorbia telephioides)		1	
Squirrel, Carolina Northern Flying (Glaucomys sabrinus coloratus)		17	2
Squirrel, Northern Idaho Ground (Uroditellus brunneus)			1
Squirrel, Virginia Northern Flying (Glaucomys sabrinus fuscus)		1	
Steelhead (Oncorhynchus (=salmo) mykiss)			1
Stickleback, Unarmored Threespine (Gasterosteus aculeatus williamsoni)		1	
Stilt, Hawaiian (Himantopus mexicanus knudseni)		13	1
Stork, Wood (Mycteria americana)	27	133	3,288
Storm-Petrel, Band-Rumped (Oceanodroma castro)		5	
Sturgeon, Alabama (Scaphirhynchus suttkusi)		4	1
Sturgeon, Atlantic (Acipenser oxyrinchus oxyrinchus)			3
Sturgeon, Atlantic (Gulf Subspecies) (Acipenser oxyrinchus (=oxyrinchus) desotoi)	1	46	212
Sturgeon, Pallid (Scaphirhynchus albus)	6	96	157
Sturgeon, Shortnose (Acipenser brevirostrum)			1
Sturgeon, Shovelnose (Scaphirhynchus platyrhynchus)			3
Sturgeon, White (Acipenser transmontanus)			2
Sucker, June (Chasmistes liorus)	1		
Sucker, Lost River (Deltistes luxatus)		1	
Sucker, Razorback (Xyrauchen texanus)	14	19	3
Sucker, Santa Ana (Catostomus santaanae)	3	4	1
Sucker, Shortnose (Chasmistes brevirostris)		1	1
Sumac, Michaux's (Rhus michauxii)		90	34
Sunburst, Hartweg's Golden (Pseudobahia bahiifolia)		1	
Sunflower, San Mateo Woolly (Eriophyllum latilobum)	1	1	
Sunflower, Schweinitz's (Helianthus schweinitzii)	2	37	93
Sunflower, Whorled (Helianthus verticillatus)		1	1
Sunshine, Sonoma (Blennosperma bakeri)	15		3
Swiftlet, Mariana Gray (Aerodramus vanikorensis bartschi)	1		
Tarplant, Gaviota (Deinandra increscens ssp. villosa)	1		
Tarplant, Otay (Deinandra (=hemizonia) conjugens)	5	1	
Tarplant, Santa Cruz (Holocarpha macradenia)	1	1	
Tern, California Least (Sterna antillarum browni)	11	21	

<b>Species Name</b>	<b>Formal</b>	<b>Informal</b>	<b>Programmatic</b>
Tern, Least ( <i>Sterna antillarum</i> )	6	152	129
Tern, Roseate ( <i>Sterna dougallii dougallii</i> )		7	7
Thistle, La Graciosa ( <i>Cirsium loncholepis</i> )	1		
Thistle, Pitcher's ( <i>Cirsium pitcheri</i> )		20	
Thistle, Suisun ( <i>Cirsium hydrophilum</i> var. <i>hydrophilum</i> )	2	3	1
Thornmint, San Diego ( <i>Acanthomintha ilicifolia</i> )	1		
Threeridge, Fat (Mussel) ( <i>Amblema neislerii</i> )	1	7	1
Toad, Arroyo (=Arroyo Southwestern) ( <i>Anaxyrus californicus</i> )	8	7	
Toad, Houston ( <i>Bufo houstonensis</i> )	5	25	
Toad, Puerto Rican Crested ( <i>Peltophryne lemur</i> )			1
Toad, Yosemite ( <i>Anaxyrus canorus</i> )	6	2	
Topminnow, Gila (Incl. Yaqui) ( <i>Poeciliopsis occidentalis</i> )			1
Tortoise, Desert ( <i>Gopherus agassizii</i> )	8	7	5
Tortoise, Gopher ( <i>Gopherus polyphemus</i> )	16	33	381
Trillium, Relict ( <i>Trillium reliquum</i> )	1	16	16
Trout, Apache ( <i>Oncorhynchus apache</i> )			1
Trout, Bull ( <i>Salvelinus confluentus</i> )	70	414	1,836
Trout, Gila ( <i>Oncorhynchus gilae</i> )		1	
Trout, Greenback Cutthroat ( <i>Oncorhynchus clarkii stomias</i> )		2	
Trout, Lahontan Cutthroat ( <i>Oncorhynchus clarkii henshawi</i> )	1	46	2
Turtle, Alabama Red-Bellied ( <i>Pseudemys alabamensis</i> )		17	127
Turtle, Bog ( <i>Clemmys muhlenbergii</i> )	1	68	43
Turtle, Flattened Musk ( <i>Sternotherus depressus</i> )		2	3
Turtle, Green Sea ( <i>Chelonia mydas</i> )	11	49	154
Turtle, Hawksbill Sea ( <i>Eretmochelys imbricata</i> )	6	29	62
Turtle, Kemp's Ridley Sea ( <i>Lepidochelys kempii</i> )	7	30	120
Turtle, Leatherback Sea ( <i>Dermochelys coriacea</i> )	11	35	126
Turtle, Loggerhead Sea ( <i>Caretta caretta</i> )	12	46	229
Turtle, Olive Ridley Sea ( <i>Lepidochelys olivacea</i> )		1	
Turtle, Ringed Map ( <i>Graptemys oculifera</i> )		13	77
Turtle, Yellow-Blotched Map ( <i>Graptemys flavimaculata</i> )		10	54
Vireo, Least Bell's ( <i>Vireo bellii pusillus</i> )	28	24	2
Warbler, Bachman's (=Wood) ( <i>Vermivora bachmanii</i> )			8
Warbler, Golden-Cheeked (=Wood) ( <i>Dendroica chrysoparia</i> )	20	5	
Warbler, Kirtland's ( <i>Setophaga kirtlandii</i> (= <i>dendroica kirtlandii</i> ))	1	107	2
Wartyback, White (Pearlymussel) ( <i>Plethobasus cicatricosus</i> )		3	
Watercress, Gambel's ( <i>Rorippa gambellii</i> )		1	
Waterdog, Black Warrior (=Sipsey Fork) ( <i>Necturus alabamensis</i> )		2	3

<b>Species Name</b>	<b>Formal</b>	<b>Informal</b>	<b>Programmatic</b>
Waterdog, Neuse River ( <i>Necturus lewisi</i> )			
Water-Plantain, Kral's ( <i>Sagittaria secundifolia</i> )		1	
Wedgemussel, Dwarf ( <i>Alasmidonta heterodon</i> )	14	173	27
Whipsnake, Alameda (=Striped Racer) ( <i>Masticophis lateralis euryxanthus</i> )	8	8	
Wild-Rice, Texas ( <i>Zizania texana</i> )		3	
Wolf, Gray ( <i>Canis lupus</i> )		7	1
Wolverine, North American ( <i>Gulo gulo luscus</i> )	1	16	15
Woodpecker, Ivory-Billed ( <i>Campephilus principalis</i> )			5
Woodpecker, Red-Cockaded ( <i>Picoides borealis</i> )	26	245	568
Woodrat, Key Largo ( <i>Neotoma floridana smalli</i> )		1	34
Woodrat, Riparian (=San Joaquin Valley) ( <i>Neotoma fuscipes riparia</i> )	1		
Woolly-Star, Santa Ana River ( <i>Eriastrum densifolium</i> ssp. <i>sanctorum</i> )	2	1	
Wooly-Threads, San Joaquin ( <i>Monolopia</i> (=lembertia) <i>congdonii</i> )	3		
Woundfin ( <i>Plagopterus argentissimus</i> )		2	
Xantus'smurrelet ( <i>Synthliboramphus hypoleucus</i> )			1
<b>Total</b>	<b>1,635</b>	<b>17,910</b>	<b>26,247</b>

**Table 5.2 – ESA Section 7 Consultations for Listed Species Under National Marine Fisheries Jurisdiction for Nationwide Permit Activities Verified Between March 19, 2017, to October 20, 2020**

<b>Species Name</b>	<b>Formal</b>	<b>Informal</b>	<b>Programmatic</b>
Abalone, Black ( <i>Haliotis cracherodii</i> )		3	
Beetle, Valley Elderberry Longhorn ( <i>Desmocerus californicus dimorphus</i> )	1		
Bocaccio ( <i>Sebastes paucispinis</i> )	27	53	865
Coral, Boulder Star ( <i>Orbicella franksi</i> )		1	16
Coral, Elkhorn ( <i>Acropora palmata</i> )	1	6	26
Coral, Lobed Star ( <i>Orbicella annularis</i> )		2	17
Coral, Mountainous Star ( <i>Orbicella faveolata</i> )	1	2	18
Coral, Pillar ( <i>Dendrogyra cylindrus</i> )		1	16
Coral, Rough Cactus ( <i>Mycetophyllia ferox</i> )		1	16
Coral, Staghorn ( <i>Acropora cervicornis</i> )	1	6	27
Cuckoo, Yellow-Billed ( <i>Coccyzus americanus</i> )	1		
Eulachon ( <i>Thaleichthys pacificus</i> )	18	32	1,005
Grouper, Nassau ( <i>Epinephelus striatus</i> )	5	39	497
Lion, Steller Sea ( <i>Eumetopias jubatus</i> )	3	76	1

<b>Species Name</b>	<b>Formal</b>	<b>Informal</b>	<b>Programmatic</b>
Manatee, West Indian ( <i>Trichechus manatus</i> )			2
Name, No Common ( <i>Acropora aculeus</i> )			1
Name, No Common ( <i>Acropora globiceps</i> )		2	24
Name, No Common ( <i>Acropora jacquelineae</i> )			2
Name, No Common ( <i>Acropora retusa</i> )		2	23
Name, No Common ( <i>Acropora speciosa</i> )			6
Name, No Common ( <i>Euphyllia paradivisa</i> )			1
Name, No Common ( <i>Isopora crateriformis</i> )			2
Name, No Common ( <i>Seriatopora aculeata</i> )		1	22
Ray, Giant Manta ( <i>Manta birostris</i> )	2	11	5
Rockfish, Canary ( <i>Sebastes pinniger</i> )	9	20	824
Rockfish, Yelloweye ( <i>Sebastes ruberrimus</i> )	25	53	101
Salmon, Chinook ( <i>Oncorhynchus (=salmo) tshawytscha</i> )	241	491	2,426
Salmon, Chum ( <i>Oncorhynchus keta</i> )	21	40	1,642
Salmon, Coho ( <i>Oncorhynchus (=salmo) kisutch</i> )	75	62	484
Salmon, Sockeye ( <i>Oncorhynchus (=salmo) nerka</i> )	15	29	67
Sawfish, Largetooth ( <i>Pristis pristis</i> )			19
Sawfish, Smalltooth ( <i>Pristis pectinata</i> )	189	139	2,783
Seagrass, Johnson's ( <i>Halophila johnsonii</i> )	10	8	123
Seal, Bearded ( <i>Erignathus barbatus nauticus</i> )		4	
Seal, Guadalupe Fur ( <i>Arctocephalus townsendi</i> )		1	
Seal, Hawaiian Monk ( <i>Monachus schauinslandi</i> )		15	48
Seal, Ringed ( <i>Phoca (=pusa) hispida hispida</i> )		8	
Seal, Spotted ( <i>Phoca largha</i> )		1	
Shark, Oceanic Whitetip ( <i>Carcharhinus longimanus</i> )		11	9
Shark, Scalloped Hammerhead ( <i>Sphyrna lewini</i> )	1	20	35
Smelt, Longfin ( <i>Spirinchus thaleichthys</i> )		1	
Steelhead ( <i>Oncorhynchus (=salmo) mykiss</i> )	278	558	2,192
Stork, Wood ( <i>Mycteria americana</i> )			2
Sturgeon, Adriatic ( <i>Acipenser naccarii</i> )			2
Sturgeon, Atlantic ( <i>Acipenser oxyrinchus oxyrinchus</i> )	19	188	697
Sturgeon, Atlantic (Gulf Subspecies) ( <i>Acipenser oxyrinchus (=oxyrhynchus) desotoi</i> )	8	23	434
Sturgeon, European ( <i>Acipenser sturio</i> )			1
Sturgeon, Green ( <i>Acipenser medirostris</i> )	40	163	1,017
Sturgeon, Shortnose ( <i>Acipenser brevirostrum</i> )	12	92	447
Turtle, Green Sea ( <i>Chelonia mydas</i> )	177	265	3,326
Turtle, Hawksbill Sea ( <i>Eretmochelys imbricata</i> )	69	164	1,948
Turtle, Kemp's Ridley Sea ( <i>Lepidochelys kempii</i> )	175	211	3,010
Turtle, Leatherback Sea ( <i>Dermochelys coriacea</i> )	73	211	2,041
Turtle, Loggerhead Sea ( <i>Caretta caretta</i> )	174	226	3,049
Turtle, Olive Ridley Sea ( <i>Lepidochelys olivacea</i> )	1	23	94
Whale, Beluga ( <i>Delphinapterus leucas</i> )	1	40	
Whale, Blue ( <i>Balaenoptera musculus</i> )	1	18	15
Whale, Bowhead ( <i>Balaena mysticetus</i> )		5	

<b>Species Name</b>	<b>Formal</b>	<b>Informal</b>	<b>Programmatic</b>
Whale, Bryde's ( <i>Balaenoptera edeni</i> )		12	
Whale, False Killer ( <i>Pseudorca crassidens</i> )		5	17
Whale, Finback ( <i>Balaenoptera physalus</i> )	3	70	22
Whale, Gray ( <i>Eschrichtius robustus</i> )		4	
Whale, Humpback ( <i>Megaptera novaeangliae</i> )	14	122	33
Whale, Killer ( <i>Orcinus orca</i> )	26	46	970
Whale, North Atlantic Right ( <i>Eubalaena glacialis</i> )	2	15	88
Whale, North Pacific Right ( <i>Eubalaena japonica</i> )	1	10	3
Whale, Sei ( <i>Balaenoptera borealis</i> )	1	15	15
Whale, Sperm ( <i>Physeter catodon</i> (=macrocephalus))	2	24	13
<b>Total</b>	<b>1,723</b>	<b>3,651</b>	<b>30,589</b>

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## **Appendix A. Species List Provided by the U.S. Fish and Wildlife Service**

The species list in Appendix A was generated by printing the spreadsheet provided by the U.S. Fish and Wildlife to the Corps in an email dated December 7, 2020. Table A.1 contains the listed and proposed species. Table A.2 contains designated and proposed critical habitat.

## **Appendix B. Species List Provided by the National Marine Fisheries Service**

The species list in Appendix B was generated by printing the website identified by the NMFS in an email to the Corps dated December 1, 2020. The Corps accessed the website on December 13, 2020, and printed the attached species list.

## **Appendix C. Active and Pending Regional ESA Section 7 Consultation/Coordination Agreements Between Corps Districts and the U.S. Fish and Wildlife Service and the National Marine Fisheries Service**

Corps district office personnel meet with local representatives of the U.S. FWS and NMFS to establish or modify existing procedures, where necessary, to ensure that the Corps has the latest information regarding the existence and location of any threatened or endangered species or their critical habitat, including species proposed for listing or critical habitat proposed for such designation. Corps districts can also establish, through local procedures or other means, additional safeguards that ensure compliance with the ESA. Through formal ESA Section 7 consultation, or through other coordination with the FWS and/or the NMFS, as appropriate, the Corps establishes procedures to ensure that NWP activities will not jeopardize any threatened and endangered species or result in the destruction or adverse modification of designated critical habitat. Such procedures may result in the development of regional conditions added to the NWP by the division engineer, or in activity-specific conditions to be added to an NWP authorization by the district engineer.

Tables A-1 and A-2 list the active regional programmatic consultations and the regional ESA coordination agreements developed by the Corps districts and the regional and field offices of the U.S. FWS and NMFS as of November 2020. Table A-1 lists the active regional programmatic consultations and the regional ESA coordination agreements developed between Corps districts and the regional offices of the U.S. FWS. Table A-2 lists the active regional programmatic consultations and the regional ESA coordination agreements developed between Corps districts and the regional offices of the NMFS.

Tables A-3 and A-4 list the pending regional programmatic consultations and the regional ESA coordination agreements being developed by the Corps districts and the regional and field offices of the U.S. FWS and NMFS as of November 2020. Table A-3 lists the pending regional programmatic consultations and the regional ESA coordination agreements being developed between Corps districts and the regional offices of the U.S. FWS. Table A-4 lists the pending regional programmatic consultation being developed between a Corps district and a regional office of the NMFS.

**Appendix A – Species List Provided by the U.S. Fish and Wildlife Service on  
December 7, 2020**

**Appendix A.1 - Species List Provided by U.S. Fish and Wildlife Service on December 7, 2020**

<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Abronia macrocarpa</i>	Large-fruited sand-verbena	Endangered	US
<i>Abutilon eremitopetalum</i>	No common name	Endangered	US
<i>Abutilon menziesii</i>	Ko`oloa`ula	Endangered	US
<i>Abutilon sandwicense</i>	No common name	Endangered	US
<i>Acaena exigua</i>	Liliwai	Endangered	US
<i>Acanthomintha obovata ssp. duttonii</i>	San Mateo thornmint	Endangered	US
<i>Accipiter striatus venator</i>	Puerto Rican sharp-shinned hawk	Endangered	US
<i>Achatinella spp.</i>	Oahu tree snails	Endangered	US
<i>Achyranthes mutica</i>	No common name	Endangered	US
<i>Achyranthes splendens var. rotundata</i>	Round-leaved chaff-flower	Endangered	US
<i>Acrocephalus familiaris kingi</i>	Nihoa millerbird (old world warbler)	Endangered	US
<i>Acrocephalus luscini</i>	Nightingale reed warbler (old world warbler)	Endangered	US
<i>Adelocosa anops</i>	Kauai cave wolf or pe'e pe'e maka 'ole spider	Endangered	US
<i>Adenophorus periens</i>	Pendant kahi fern	Endangered	US
<i>Adiantum vivessii</i>	No common name	Endangered	US
<i>Aerodramus vanikorensis bartschi</i>	Mariana gray swiftlet	Endangered	US
<i>Agalinis acuta</i>	Sandplain gerardia	Endangered	US
<i>Agave eggersiana</i>	No common name	Endangered	US
<i>Agelaius xanthomus</i>	Yellow-shouldered blackbird	Endangered	US
<i>Akialoa stejnegeri</i>	Kauai akialoa (honeycreeper)	Endangered	US
<i>Alasmidonta atropurpurea</i>	Cumberland elktoe	Endangered	US
<i>Alasmidonta raveneliana</i>	Appalachian elktoe	Endangered	US
<i>Alectryon macrococcus</i>	Mahoe	Endangered	US
<i>Allium munzii</i>	Munz's onion	Endangered	US
<i>Alopecurus aequalis var. sonomensis</i>	Sonoma alopecurus	Endangered	US
<i>Amaranthus brownii</i>	No common name	Endangered	US
<i>Amazona vittata</i>	Puerto Rican parrot	Endangered	US
<i>Amblema neislerii</i>	Fat threeridge (mussel)	Endangered	US
<i>Ambrosia cheiranthifolia</i>	South Texas ambrosia	Endangered	US
<i>Ambystoma bishopi</i>	Reticulated flatwoods salamander	Endangered	US
<i>Ambystoma californiense</i>	California tiger Salamander	Endangered	US

**Appendix A.1 - Species List Provided by U.S. Fish and Wildlife Service on December 7, 2020**

<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Ambystoma macrodactylum croceum</i>	Santa Cruz long-toed salamander	Endangered	US
<i>Ameiva polops</i>	St. Croix ground lizard	Endangered	US
<i>Ammodramus maritimus mirabilis</i>	Cape Sable seaside sparrow	Endangered	US
<i>Ammodramus savannarum floridanus</i>	Florida grasshopper sparrow	Endangered	US
<i>Amorpha crenulata</i>	Crenulate lead-plant	Endangered	US
<i>Amsinckia grandiflora</i>	Large-flowered fiddleneck	Endangered	US
<i>Amsonia kearneyana</i>	Kearney's blue-star	Endangered	US
<i>Anaea troglodyta floralis</i>	Florida leafwing Butterfly	Endangered	US
<i>Anas laysanensis</i>	Laysan duck	Endangered	US
<i>Anas wyvilliana</i>	Hawaiian (=koloa) Duck	Endangered	US
<i>Anolis roosevelti</i>	Culebra Island giant anole	Endangered	US
<i>Antrobia culveri</i>	Tumbling Creek cavesnail	Endangered	US
<i>Aplodontia rufa nigra</i>	Point Arena mountain beaver	Endangered	US
<i>Apodemia mormo langei</i>	Lange's metalmark butterfly	Endangered	US
<i>Arabis hoffmannii</i>	Hoffmann's rock-cress	Endangered	US
<i>Arabis macdonaldiana</i>	McDonald's rock-cress	Endangered	US
<i>Arabis perstellata</i>	Braun's rock-cress	Endangered	US
<i>Arabis serotina</i>	Shale barren rock cress	Endangered	US
<i>Arctomecon humilis</i>	Dwarf Bear-poppy	Endangered	US
<i>Arctostaphylos confertiflora</i>	Santa Rosa Island manzanita	Endangered	US
<i>Arctostaphylos franciscana</i>	Franciscan manzanita	Endangered	US
<i>Arctostaphylos hookeri var. ravenii</i>	Presidio Manzanita	Endangered	US
<i>Arenaria cumberlandensis</i>	Cumberland sandwort	Endangered	US
<i>Arenaria paludicola</i>	Marsh Sandwort	Endangered	US
<i>Argemone pleiakantha ssp. pinnatisecta</i>	Sacramento prickly poppy	Endangered	US
<i>Argyroxiphium kauense</i>	Mauna Loa (=Ka'u) silversword	Endangered	US
<i>Argyroxiphium sandwicense ssp. sandwicense</i>	`Ahinahina	Endangered	US
<i>Aristida chaseae</i>	No common name	Endangered	US
<i>Aristida portoricensis</i>	Pelos del diablo	Endangered	US
<i>Arkansia wheeleri</i>	Ouachita rock pocketbook	Endangered	US
<i>Asimina tetramera</i>	Four-petal pawpaw	Endangered	US
<i>Asplenium dielerectum</i>	Asplenium-leaved diellia	Endangered	US

**Appendix A.1 - Species List Provided by U.S. Fish and Wildlife Service on December 7, 2020**

<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Asplenium dielfalcatum</i>	No common name	Endangered	US
<i>Asplenium diellaciniatum</i>	No common name	Endangered	US
<i>Asplenium dielmannii</i>	No common name	Endangered	US
<i>Asplenium dielpallidum</i>	No common name	Endangered	US
<i>Asplenium peruvianum var. insulare</i>	No common name	Endangered	US
<i>Asplenium unisorum</i>	No common name	Endangered	US
<i>Astelia waialealae</i>	Pa`iniu	Endangered	US
<i>Astragalus albens</i>	Cushenbury milk-vetch	Endangered	US
<i>Astragalus ampullarioides</i>	Shivwits milk-vetch	Endangered	US
<i>Astragalus applegatei</i>	Applegate's milk-vetch	Endangered	US
<i>Astragalus bibullatus</i>	Guthrie's (=Pyne's) ground-plum	Endangered	US
<i>Astragalus brauntonii</i>	Braunton's milk-vetch	Endangered	US
<i>Astragalus clarianus</i>	Clara Hunt's milk-vetch	Endangered	US
<i>Astragalus cremnophylax var. cremnophylax</i>	Sentry milk-vetch	Endangered	US
<i>Astragalus holmgreniorum</i>	Holmgren milk-vetch	Endangered	US
<i>Astragalus humillimus</i>	Mancos milk-vetch	Endangered	US
<i>Astragalus jaegerianus</i>	Lane Mountain milk-vetch	Endangered	US
<i>Astragalus lentiginosus var. coachellae</i>	Coachella Valley milk-vetch	Endangered	US
<i>Astragalus osterhoutii</i>	Osterhout milkvetch	Endangered	US
<i>Astragalus pycnostachyus var. lanosissimus</i>	Ventura Marsh Milk-vetch	Endangered	US
<i>Astragalus robbinsii var. jesupi</i>	Jesup's milk-vetch	Endangered	US
<i>Astragalus tener var. titi</i>	Coastal dunes milk-vetch	Endangered	US
<i>Astragalus tricarinatus</i>	Triple-ribbed milk-vetch	Endangered	US
<i>Athearnia anthonyi</i>	Anthony's riversnail	Endangered	US
<i>Atriplex coronata var. notatior</i>	San Jacinto Valley crownscale	Endangered	US
<i>Auerodendron pauciflorum</i>	No common name	Endangered	US
<i>Banara vanderbiltii</i>	Palo de ramon	Endangered	US
<i>Baptisia arachnifera</i>	Hairy rattleweed	Endangered	US
<i>Batrachoseps aridus</i>	Desert slender salamander	Endangered	US
<i>Batrisodes texanus</i>	Coffin Cave mold beetle	Endangered	US
<i>Batrisodes venyivi</i>	Helotes mold beetle	Endangered	US

**Appendix A.1 - Species List Provided by U.S. Fish and Wildlife Service on December 7, 2020**

<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Berberis nevinii</i>	Nevin's barberry	Endangered	US
<i>Berberis pinnata ssp. insularis</i>	Island Barberry	Endangered	US
<i>Bidens amplexans</i>	Ko`oko`olau	Endangered	US
<i>Bidens campylotheca ssp. pentamera</i>	Ko`oko`olau	Endangered	US
<i>Bidens campylotheca ssp. waihoiensis</i>	Ko`oko`olau	Endangered	US
<i>Bidens conjuncta</i>	Ko`oko`olau	Endangered	US
<i>Bidens hillebrandiana ssp. hillebrandiana</i>	kookoolau	Endangered	US
<i>Bidens micrantha ssp. ctenophylla</i>	Ko`oko`olau	Endangered	US
<i>Bidens micrantha ssp. kalealaha</i>	Ko`oko`olau	Endangered	US
<i>Bidens wiebkei</i>	Ko`oko`olau	Endangered	US
<i>Blennosperma bakeri</i>	Sonoma sunshine	Endangered	US
<i>Boloria acrocynema</i>	Uncompahgre fritillary butterfly	Endangered	US
<i>Bombus affinis</i>	Rusty patched bumble bee	Endangered	US
<i>Bonamia menziesii</i>	No common name	Endangered	US
<i>Brachylagus idahoensis</i>	Columbia Basin Pygmy Rabbit	Endangered	US
<i>Branchinecta conservatio</i>	Conservancy fairy shrimp	Endangered	US
<i>Branchinecta longiantenna</i>	Longhorn fairy shrimp	Endangered	US
<i>Branchinecta sandiegonensis</i>	San Diego fairy shrimp	Endangered	US
<i>Brickellia mosieri</i>	Florida brickell-bush	Endangered	US
<i>Brighamia insignis</i>	Olulu	Endangered	US
<i>Brighamia rockii</i>	Pua `ala	Endangered	US
<i>Bufo hemiophrys baxteri</i>	Wyoming Toad	Endangered	US
<i>Bufo houstonensis</i>	Houston toad	Endangered	US
<i>Buteo platypterus brunnescens</i>	Puerto Rican broad-winged hawk	Endangered	US
<i>Buxus vahlia</i>	Vahl's boxwood	Endangered	US
<i>Calamagrostis expansa</i>	Maui reedgrass	Endangered	US
<i>Calamagrostis hillebrandii</i>	Hillebrand's reedgrass	Endangered	US
<i>Callicarpa ampla</i>	Capa rosa	Endangered	US
<i>Callirhoe scabriuscula</i>	Texas poppy-mallow	Endangered	US
<i>Callophrys mossii bayensis</i>	San Bruno elfin butterfly	Endangered	US
<i>Calystegia stebbinsii</i>	Stebbins' morning-glory	Endangered	US
<i>Cambarus aculabrum</i>	Benton County cave crayfish	Endangered	US

**Appendix A.1 - Species List Provided by U.S. Fish and Wildlife Service on December 7, 2020**

<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Cambarus veteranus</i>	Guyandotte River crayfish	Endangered	US
<i>Cambarus zophonastes</i>	Hell Creek Cave crayfish	Endangered	US
<i>Campanula robinsiae</i>	Brooksville bellflower	Endangered	US
<i>Campeloma decampi</i>	Slender campeloma	Endangered	US
<i>Canavalia molokaiensis</i>	`Awikiwiki	Endangered	US
<i>Canavalia napaliensis</i>	`Awikiwiki	Endangered	US
<i>Canavalia pubescens</i>	`Awikiwiki	Endangered	US
<i>Canis rufus</i>	Red wolf	Endangered	US
<i>Caprimulgus noctitherus</i>	Puerto Rican nightjar	Endangered	US
<i>Cardamine micranthera</i>	Small-anthered bittercress	Endangered	US
<i>Carex albida</i>	White sedge	Endangered	US
<i>Carex lutea</i>	Golden sedge	Endangered	US
<i>Castilleja affinis ssp. neglecta</i>	Tiburon paintbrush	Endangered	US
<i>Castilleja mollis</i>	Soft-leaved paintbrush	Endangered	US
<i>Catesbaea melanocarpa</i>	No common name	Endangered	US
<i>Catostomus discobolus yarrowi</i>	Zuni bluehead Sucker	Endangered	US
<i>Caulanthus californicus</i>	California jewelflower	Endangered	US
<i>Ceanothus ferrisiae</i>	Coyote ceanothus	Endangered	US
<i>Ceanothus roderickii</i>	Pine Hill ceanothus	Endangered	US
<i>Cenchrus agrimonioides</i>	Kamanomano	Endangered	US
<i>Cercocarpus traskiae</i>	Catalina Island mountain-mahogany	Endangered	US
<i>Cereus eriophorus var. fragrans</i>	Fragrant prickly-apple	Endangered	US
<i>Chamaecrista glandulosa var. mirabilis</i>	No common name	Endangered	US
<i>Chamaecrista lineata keyensis</i>	Big Pine partridge pea	Endangered	US
<i>Chamaesyce deltoidea serpyllum</i>	Wedge spurge	Endangered	US
<i>Chamaesyce deltoidea ssp. deltoidea</i>	Deltoid spurge	Endangered	US
<i>Charpentiera densiflora</i>	Papala	Endangered	US
<i>Chasiempis ibidis</i>	Oahu elepaio	Endangered	US
<i>Chasmistes brevirostris</i>	Shortnose Sucker	Endangered	US
<i>Chasmistes cujus</i>	Cui-ui	Endangered	US
<i>Chasmistes liorus</i>	June sucker	Endangered	US
<i>Chelonia mydas</i>	Green sea turtle	Endangered	US
<i>Chionanthus pygmaeus</i>	Pygmy fringe-tree	Endangered	US

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Chorizanthe howellii</i>	Howell's spineflower	Endangered	US
<i>Chorizanthe orcuttiana</i>	Orcutt's spineflower	Endangered	US
<i>Chorizanthe pungens</i> var. <i>hartwegiana</i>	Ben Lomond spineflower	Endangered	US
<i>Chorizanthe robusta</i> var. <i>hartwegii</i>	Scotts Valley spineflower	Endangered	US
<i>Chorizanthe robusta</i> var. <i>robusta</i>	Robust spineflower	Endangered	US
<i>Chorizanthe valida</i>	Sonoma spineflower	Endangered	US
<i>Chromolaena frustrata</i>	Cape Sable Thoroughwort	Endangered	US
<i>Chrosomus saylori</i>	Laurel dace	Endangered	US
<i>Chrysopsis floridana</i>	Florida golden aster	Endangered	US
<i>Cicindela nevadica lincolniana</i>	Salt Creek Tiger beetle	Endangered	US
<i>Cicindela ohlone</i>	Ohlone tiger beetle	Endangered	US
<i>Cicindelidia floridana</i>	Miami tiger beetle	Endangered	US
<i>Cicurina baronia</i>	Robber Baron Cave Meshweaver	Endangered	US
<i>Cicurina madla</i>	Madla Cave Meshweaver	Endangered	US
<i>Cicurina venii</i>	Braken Bat Cave Meshweaver	Endangered	US
<i>Cicurina vespera</i>	Government Canyon Bat Cave Meshweaver	Endangered	US
<i>Cirsium fontinale</i> var. <i>fontinale</i>	Fountain thistle	Endangered	US
<i>Cirsium fontinale</i> var. <i>obispoense</i>	Chorro Creek bog thistle	Endangered	US
<i>Cirsium hydrophilum</i> var. <i>hydrophilum</i>	Suisun thistle	Endangered	US
<i>Cirsium loncholepis</i>	La Graciosa thistle	Endangered	US
<i>Cladonia perforata</i>	Florida perforate cladonia	Endangered	US
<i>Clarkia franciscana</i>	Presidio clarkia	Endangered	US
<i>Clarkia imbricata</i>	Vine Hill clarkia	Endangered	US
<i>Clarkia speciosa</i> ssp. <i>immaculata</i>	Pismo clarkia	Endangered	US
<i>Clematis morefieldii</i>	Morefields leather flower	Endangered	US
<i>Clematis socialis</i>	Alabama leather flower	Endangered	US
<i>Clermontia drepanomorpha</i>	`Oha wai	Endangered	US
<i>Clermontia lindseyana</i>	`Oha wai	Endangered	US
<i>Clermontia oblongifolia</i> ssp. <i>brevipes</i>	`Oha wai	Endangered	US
<i>Clermontia oblongifolia</i> ssp. <i>mauiensis</i>	`Oha wai	Endangered	US
<i>Clermontia peleana</i>	`Oha wai	Endangered	US
<i>Clermontia pyrularia</i>	`Oha wai	Endangered	US
<i>Clermontia samuelii</i>	`Oha wai	Endangered	US

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Colubrina oppositifolia</i>	Kauila	Endangered	US
<i>Columba inornata wetmorei</i>	Puerto Rican plain Pigeon	Endangered	US
<i>Conradina brevifolia</i>	Short-leaved rosemary	Endangered	US
<i>Conradina etonia</i>	Etonia rosemary	Endangered	US
<i>Conradina glabra</i>	Apalachicola rosemary	Endangered	US
<i>Consolea corallicola</i>	Florida semaphore Cactus	Endangered	US
<i>Cordia bellonis</i>	No common name	Endangered	US
<i>Cordylanthus mollis ssp. mollis</i>	Soft bird's-beak	Endangered	US
<i>Cordylanthus palmatus</i>	Palmate-bracted bird's beak	Endangered	US
<i>Cordylanthus tenuis ssp. capillaris</i>	Pennell's bird's-beak	Endangered	US
<i>Cornutia obovata</i>	Palo de nigua	Endangered	US
<i>Corvus hawaiiensis</i>	Hawaiian (= 'alala) Crow	Endangered	US
<i>Corvus kubaryi</i>	Mariana (=aga) Crow	Endangered	US
<i>Corvus leucognaphalus</i>	White-necked crow	Endangered	US
<i>Corynorhinus (=Plecotus) townsendii ingens</i>	Ozark big-eared bat	Endangered	US
<i>Corynorhinus (=Plecotus) townsendii virginianus</i>	Virginia big-eared bat	Endangered	US
<i>Coryphantha minima</i>	Nellie cory cactus	Endangered	US
<i>Coryphantha sneedii var. sneedii</i>	Sneed pincushion cactus	Endangered	US
<i>Cottus specus</i>	Grotto Sculpin	Endangered	US
<i>Cranichis ricartii</i>	No common name	Endangered	US
<i>Crenichthys baileyi baileyi</i>	White River springfish	Endangered	US
<i>Crenichthys baileyi grandis</i>	Hiko White River springfish	Endangered	US
<i>Crescentia portoricensis</i>	Higuero de sierra	Endangered	US
<i>Crotalaria avonensis</i>	Avon Park harebells	Endangered	US
<i>Cryptantha crassipes</i>	Terlingua Creek cat's-eye	Endangered	US
<i>Cryptobranchus alleganiensis bishopi</i>	Ozark Hellbender	Endangered	US
<i>Crystallaria cincotta</i>	diamond Darter	Endangered	US
<i>Ctenitis squamigera</i>	Pauoa	Endangered	US
<i>Cucurbita okeechobeensis ssp. okeechobeensis</i>	Okeechobee gourd	Endangered	US
<i>Cumberlandia monodonta</i>	Spectaclecase (mussel)	Endangered	US

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Scientific Name	Common Name	Status	Location
<i>Cyanea acuminata</i>	Haha	Endangered	US
<i>Cyanea asarifolia</i>	Haha	Endangered	US
<i>Cyanea asplenifolia</i>	Haha	Endangered	US
<i>Cyanea calycina</i>	Haha	Endangered	US
<i>Cyanea copelandii ssp. copelandii</i>	Haha	Endangered	US
<i>Cyanea copelandii ssp. haleakalaensis</i>	Haha	Endangered	US
<i>Cyanea crispa</i>	haha	Endangered	US
<i>Cyanea dolichopoda</i>	Haha	Endangered	US
<i>Cyanea dunbariae</i>	haha	Endangered	US
<i>Cyanea duvalliorum</i>	haha	Endangered	US
<i>Cyanea eleeleensis</i>	Haha	Endangered	US
<i>Cyanea gibsonii</i>	haha	Endangered	US
<i>Cyanea glabra</i>	Haha	Endangered	US
<i>Cyanea grimesiana ssp. grimesiana</i>	Haha	Endangered	US
<i>Cyanea grimesiana ssp. obatae</i>	Haha	Endangered	US
<i>Cyanea hamatiflora ssp. carlsonii</i>	Haha	Endangered	US
<i>Cyanea hamatiflora ssp. hamatiflora</i>	Haha	Endangered	US
<i>Cyanea horrida</i>	haha nui	Endangered	US
<i>Cyanea humboldtiana</i>	Haha	Endangered	US
<i>Cyanea kauaulaensis</i>	No common name	Endangered	US
<i>Cyanea kolekoleensis</i>	Haha	Endangered	US
<i>Cyanea koolauensis</i>	Haha	Endangered	US
<i>Cyanea kuhihewa</i>	Haha	Endangered	US
<i>Cyanea kunthiana</i>	Haha	Endangered	US
<i>Cyanea lanceolata</i>	Haha	Endangered	US
<i>Cyanea lobata</i>	Haha	Endangered	US
<i>Cyanea longiflora</i>	Haha	Endangered	US
<i>Cyanea magnicalyx</i>	haha	Endangered	US
<i>Cyanea mannii</i>	Haha	Endangered	US
<i>Cyanea maritae</i>	haha	Endangered	US
<i>Cyanea marksii</i>	Haha	Endangered	US
<i>Cyanea mauiensis</i>	haha	Endangered	US
<i>Cyanea mceldowneyi</i>	Haha	Endangered	US

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Scientific Name	Common Name	Status	Location
<i>Cyanea munroi</i>	haha	Endangered	US
<i>Cyanea obtusa</i>	Haha	Endangered	US
<i>Cyanea pinnatifida</i>	Haha	Endangered	US
<i>Cyanea platyphylla</i>	`aku`aku	Endangered	US
<i>Cyanea procera</i>	Haha	Endangered	US
<i>Cyanea profuga</i>	Haha	Endangered	US
<i>Cyanea purpurellifolia</i>	Haha	Endangered	US
<i>Cyanea remyi</i>	Haha	Endangered	US
<i>Cyanea rivularis</i>	Haha	Endangered	US
<i>Cyanea shipmanii</i>	Haha	Endangered	US
<i>Cyanea solanacea</i>	Popolo	Endangered	US
<i>Cyanea st.-johnii</i>	Haha	Endangered	US
<i>Cyanea stictophylla</i>	Haha	Endangered	US
<i>Cyanea superba</i>	Haha	Endangered	US
<i>Cyanea tritomantha</i>	`aku	Endangered	US
<i>Cyanea truncata</i>	Haha	Endangered	US
<i>Cyanea undulata</i>	Haha	Endangered	US
<i>Cyathea dryopteroides</i>	Elfin tree fern	Endangered	US
<i>Cyclargus (=Hemiargus) thomasi</i>			
<i>bethunebakeri</i>	Miami Blue Butterfly	Endangered	US
<i>Cyclosorus boydiae</i>	Kupukupu makalii	Endangered	US
<i>Cyperus fauriei</i>	No common name	Endangered	US
<i>Cyperus neokunthianus</i>	No common name	Endangered	US
<i>Cyperus pennatiformis</i>	No common name	Endangered	US
<i>Cyperus trachysanthos</i>	Pu`uka`a	Endangered	US
<i>Cyprinodon bovinus</i>	Leon Springs pupfish	Endangered	US
<i>Cyprinodon diabolis</i>	Devils Hole pupfish	Endangered	US
<i>Cyprinodon elegans</i>	Comanche Springs pupfish	Endangered	US
<i>Cyprinodon nevadensis mionectes</i>	Ash Meadows Amargosa pupfish	Endangered	US
<i>Cyprinodon nevadensis pectoralis</i>	Warm Springs pupfish	Endangered	US
<i>Cyprinodon radiosus</i>	Owens pupfish	Endangered	US
<i>Cyprogenia stegaria</i>	Fanshell	Endangered	US
<i>Cyrtandra crenata</i>	Ha`iwale	Endangered	US

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Cyrtandra cyaneoides</i>	Mapele	Endangered	US
<i>Cyrtandra dentata</i>	Ha`iwale	Endangered	US
<i>Cyrtandra ferripilosa</i>	haiwale	Endangered	US
<i>Cyrtandra filipes</i>	Ha`iwale	Endangered	US
<i>Cyrtandra giffardii</i>	Ha`iwale	Endangered	US
<i>Cyrtandra gracilis</i>	Haiwale	Endangered	US
<i>Cyrtandra hematos</i>	Ha`iwale	Endangered	US
<i>Cyrtandra kaulantha</i>	Ha`iwale	Endangered	US
<i>Cyrtandra munroi</i>	Ha`iwale	Endangered	US
<i>Cyrtandra nanawaleensis</i>	haiwale	Endangered	US
<i>Cyrtandra oenobarba</i>	Ha`iwale	Endangered	US
<i>Cyrtandra oxybapha</i>	Ha`iwale	Endangered	US
<i>Cyrtandra paliku</i>	Haiwale	Endangered	US
<i>Cyrtandra polyantha</i>	Ha`iwale	Endangered	US
<i>Cyrtandra sessilis</i>	Ha`iwale	Endangered	US
<i>Cyrtandra subumbellata</i>	Ha`iwale	Endangered	US
<i>Cyrtandra tintinnabula</i>	Ha`iwale	Endangered	US
<i>Cyrtandra viridiflora</i>	Ha`iwale	Endangered	US
<i>Cyrtandra wagneri</i>	haiwale	Endangered	US
<i>Cyrtandra waiolani</i>	Haiwale	Endangered	US
<i>Dalea carthagenensis floridana</i>	Florida prairie-clover	Endangered	US
<i>Dalea foliosa</i>	Leafy prairie-clover	Endangered	US
<i>Daphnopsis helleriana</i>	No common name	Endangered	US
<i>Deeringothamnus pulchellus</i>	Beautiful pawpaw	Endangered	US
<i>Deeringothamnus rugelii</i>	Rugel's pawpaw	Endangered	US
<i>Deinandra increscens ssp. villosa</i>	Gaviota Tarplant	Endangered	US
<i>Delissea rhytidosperma</i>	No common name	Endangered	US
<i>Delissea subcordata</i>	Oha	Endangered	US
<i>Delissea undulata</i>	No common name	Endangered	US
<i>Delphinium bakeri</i>	Baker's larkspur	Endangered	US
<i>Delphinium luteum</i>	Yellow larkspur	Endangered	US
<i>Delphinium variegatum ssp. kinkiense</i>	San Clemente Island larkspur	Endangered	US
<i>Deltistes luxatus</i>	Lost River sucker	Endangered	US

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Deparia kaalaana</i>	No common name	Endangered	US
<i>Dicerandra christmanii</i>	Garrett's mint	Endangered	US
<i>Dicerandra cornutissima</i>	Longspurred mint	Endangered	US
<i>Dicerandra frutescens</i>	Scrub mint	Endangered	US
<i>Dicerandra immaculata</i>	Lakela's mint	Endangered	US
<i>Dinacoma caseyi</i>	Casey's June Beetle	Endangered	US
<i>Diplacus vandenbergensis</i>	Vandenberg monkeyflower	Endangered	US
<i>Diplazium molokaiense</i>	No common name	Endangered	US
<i>Dipodomys heermanni morroensis</i>	Morro Bay kangaroo rat	Endangered	US
<i>Dipodomys ingens</i>	Giant kangaroo rat	Endangered	US
<i>Dipodomys merriami parvus</i>	San Bernardino Merriam's kangaroo rat	Endangered	US
<i>Dipodomys nitratooides exilis</i>	Fresno kangaroo rat	Endangered	US
<i>Dipodomys nitratooides nitratooides</i>	Tipton kangaroo rat	Endangered	US
<i>Dipodomys stephensi (incl. D. cascus)</i>	Stephens' kangaroo rat	Endangered	US
<i>Discus macclintocki</i>	Iowa Pleistocene snail	Endangered	US
<i>Dodecahema leptoceras</i>	Slender-horned spineflower	Endangered	US
<i>Doryopteris angelica</i>	No common name	Endangered	US
<i>Doryopteris takeuchii</i>	No common name	Endangered	US
<i>Dromus dromas</i>	Dromedary pearlymussel	Endangered	US
<i>Drosophila aglaia</i>	Hawaiian picture-wing fly	Endangered	US
<i>Drosophila differens</i>	Hawaiian picture-wing fly	Endangered	US
<i>Drosophila digressa</i>	Hawaiian picture-wing fly	Endangered	US
<i>Drosophila hemipeza</i>	Hawaiian picture-wing fly	Endangered	US
<i>Drosophila heteroneura</i>	Hawaiian picture-wing fly	Endangered	US
<i>Drosophila montgomeryi</i>	Hawaiian picture-wing fly	Endangered	US
<i>Drosophila musaphilia</i>	Hawaiian picture-wing fly	Endangered	US
<i>Drosophila neoclavisetae</i>	Hawaiian picture-wing fly	Endangered	US
<i>Drosophila obatai</i>	Hawaiian picture-wing fly	Endangered	US
<i>Drosophila ochrobasis</i>	Hawaiian picture-wing fly	Endangered	US
<i>Drosophila sharpi</i>	Hawaiian picture-wing fly	Endangered	US
<i>Drosophila substenoptera</i>	Hawaiian picture-wing fly	Endangered	US
<i>Drosophila tarphytrichia</i>	Hawaiian picture-wing fly	Endangered	US
<i>Dryopteris crinalis var. podosorus</i>	Palapalai aumakua	Endangered	US

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Dryopteris glabra</i> var. <i>pusilla</i>	Hohiu	Endangered	US
<i>Dubautia herbstobatae</i>	Na`ena`e	Endangered	US
<i>Dubautia imbricata</i> ssp. <i>imbricata</i>	Na`ena`e	Endangered	US
<i>Dubautia kalalauensis</i>	Naenae	Endangered	US
<i>Dubautia kenwoodii</i>	Naenae	Endangered	US
<i>Dubautia latifolia</i>	Koholapehu	Endangered	US
<i>Dubautia pauciflorula</i>	Na`ena`e	Endangered	US
<i>Dubautia plantaginea</i> ssp. <i>humilis</i>	Na`ena`e	Endangered	US
<i>Dubautia plantaginea</i> ssp. <i>magnifolia</i>	Na`ena`e	Endangered	US
<i>Dubautia waialealae</i>	Na`ena`e	Endangered	US
<i>Dudleya setchellii</i>	Santa Clara Valley dudleya	Endangered	US
<i>Dudleya traskiae</i>	Santa Barbara Island liveforever	Endangered	US
<i>Echinacea laevigata</i>	Smooth coneflower	Endangered	US
<i>Echinocactus horzonthalonius</i> var. <i>nicholii</i>	Nichol's Turk's head cactus	Endangered	US
<i>Echinocereus reichenbachii</i> var. <i>albertii</i>	Black lace cactus	Endangered	US
<i>Echinocereus triglochidiatus</i> var. <i>arizonicus</i>	Arizona hedgehog cactus	Endangered	US
<i>Echinocereus viridiflorus</i> var. <i>davisii</i>	Davis' green pitaya	Endangered	US
<i>Elaphoglossum serpens</i>	No common name	Endangered	US
<i>Eleutherodactylus juanariveroi</i>	Llanero Coqui	Endangered	US
<i>Elliptio spinosa</i>	Altamaha Spiny mussel	Endangered	US
<i>Elliptio steinstansana</i>	Tar River spiny mussel	Endangered	US
<i>Emballonura semicaudata semicaudata</i>	Pacific sheath-tailed Bat	Endangered	US
<i>Emoia slevini</i>	Slevin's skink	Endangered	US
<i>Empetrichthys latos</i>	Pahrump poolfish	Endangered	US
<i>Epicrates inornatus</i>	Puerto Rican boa	Endangered	US
<i>Epioblasma brevidens</i>	Cumberlandian combshell	Endangered	US
<i>Epioblasma capsaeformis</i>	Oyster mussel	Endangered	US
<i>Epioblasma florentina curtisii</i>	Curtis pearly mussel	Endangered	US
<i>Epioblasma florentina florentina</i>	Yellow blossom (pearly mussel)	Endangered	US
<i>Epioblasma florentina walkeri</i> (= <i>E. walkeri</i> )	Tan riffleshell	Endangered	US

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Epioblasma metastrata</i>	Upland combshell	Endangered	US
<i>Epioblasma obliquata obliquata</i>	Purple Cat's paw (=Purple Cat's paw pearlymussel)	Endangered	US
<i>Epioblasma obliquata perobliqua</i>	White catspaw (pearlymussel)	Endangered	US
<i>Epioblasma othcaloogensis</i>	Southern acornshell	Endangered	US
<i>Epioblasma penita</i>	Southern combshell	Endangered	US
<i>Epioblasma torulosa gubernaculum</i>	Green blossom (pearlymussel)	Endangered	US
<i>Epioblasma torulosa rangiana</i>	Northern riffleshell	Endangered	US
<i>Epioblasma torulosa torulosa</i>	Tuberclad blossom (pearlymussel)	Endangered	US
<i>Epioblasma turgidula</i>	Turgid blossom (pearlymussel)	Endangered	US
<i>Eragrostis fosbergii</i>	Fosberg's love grass	Endangered	US
<i>Eremalche kernensis</i>	Kern mallow	Endangered	US
<i>Eriastrum densifolium ssp. sanctorum</i>	Santa Ana River woolly-star	Endangered	US
<i>Erigeron decumbens</i>	Willamette daisy	Endangered	US
<i>Eriodictyon altissimum</i>	Indian Knob mountainbalm	Endangered	US
<i>Eriodictyon capitatum</i>	Lompoc yerba santa	Endangered	US
<i>Eriogonum apricum (incl. var. prostratum)</i>	lone (incl. Irish Hill) buckwheat	Endangered	US
<i>Eriogonum ovalifolium var. vineum</i>	Cushenbury buckwheat	Endangered	US
<i>Eriogonum ovalifolium var. williamsiae</i>	Steamboat buckwheat	Endangered	US
<i>Eriogonum pelinophilum</i>	Clay-Loving wild buckwheat	Endangered	US
<i>Eriophyllum latilobum</i>	San Mateo woolly sunflower	Endangered	US
<i>Eryngium aristulatum var. parishii</i>	San Diego button-celery	Endangered	US
<i>Eryngium constancei</i>	Loch Lomond coyote thistle	Endangered	US
<i>Eryngium cuneifolium</i>	Snakeroot	Endangered	US
<i>Erysimum capitatum var. angustatum</i>	Contra Costa wallflower	Endangered	US
<i>Erysimum menziesii</i>	Menzies' wallflower	Endangered	US
<i>Erysimum teretifolium</i>	Ben Lomond wallflower	Endangered	US
<i>Erythronium propullans</i>	Minnesota dwarf trout lily	Endangered	US
<i>Etheostoma akatulo</i>	bluemask darter	Endangered	US
<i>Etheostoma chermocki</i>	Vermilion darter	Endangered	US
<i>Etheostoma chienense</i>	Relict darter	Endangered	US
<i>Etheostoma etowahae</i>	Etowah darter	Endangered	US

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Etheostoma fonticola</i>	Fountain darter	Endangered	US
<i>Etheostoma moorei</i>	Yellowcheek Darter	Endangered	US
<i>Etheostoma nuchale</i>	Watercress darter	Endangered	US
<i>Etheostoma osburni</i>	Candy darter	Endangered	US
<i>Etheostoma percnurum</i>	Duskytail darter	Endangered	US
<i>Etheostoma phytophilum</i>	Rush Darter	Endangered	US
<i>Etheostoma sellare</i>	Maryland darter	Endangered	US
<i>Etheostoma susanae</i>	Cumberland darter	Endangered	US
<i>Etheostoma wapiti</i>	Boulder darter	Endangered	US
<i>Eua zebrina</i>	Snail [no common name]	Endangered	US
<i>Euchloe ausonides insulanus</i>	Island marble Butterfly	Endangered	US
<i>Eucyclogobius newberryi</i>	Tidewater goby	Endangered	US
<i>Eugenia bryanii</i>	No common name	Endangered	US
<i>Eugenia haematocarpa</i>	Uvillo	Endangered	US
<i>Eugenia koolauensis</i>	Nioi	Endangered	US
<i>Eugenia woodburyana</i>	No common name	Endangered	US
<i>Eumops floridanus</i>	Florida bonneted bat	Endangered	US
<i>Euphilotes battoides allyni</i>	El Segundo blue butterfly	Endangered	US
<i>Euphilotes enoptes smithi</i>	Smith's blue butterfly	Endangered	US
<i>Euphorbia celastroides var. kaenana</i>	`Akoko	Endangered	US
<i>Euphorbia deppeana</i>	`Akoko	Endangered	US
<i>Euphorbia eleanoriae</i>	`Akoko	Endangered	US
<i>Euphorbia haeleeeana</i>	`Akoko	Endangered	US
<i>Euphorbia halemanui</i>	"Akoko	Endangered	US
<i>Euphorbia herbstii</i>	`Akoko	Endangered	US
<i>Euphorbia kuwaleana</i>	`Akoko	Endangered	US
<i>Euphorbia remyi var. kauaiensis</i>	`Akoko	Endangered	US
<i>Euphorbia remyi var. remyi</i>	`Akoko	Endangered	US
<i>Euphorbia rockii</i>	`Akoko	Endangered	US
<i>Euphorbia skottsbergii var. skottsbergii</i>	Ewa Plains `akoko	Endangered	US
<i>Euphydryas editha taylori</i>	Taylor's (=whulge) Checkerspot	Endangered	US
<i>Eurycea sosorum</i>	Barton Springs salamander	Endangered	US
<i>Eurycea waterlooensis</i>	Austin blind Salamander	Endangered	US

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Exocarpos luteolus</i>	Heau	Endangered	US
<i>Exocarpos menziesii</i>	Heau	Endangered	US
<i>Festuca hawaiiensis</i>	No common name	Endangered	US
<i>Festuca molokaiensis</i>	No common name	Endangered	US
<i>Flueggea neowawraea</i>	Mehamehame	Endangered	US
<i>Fremontodendron californicum ssp. decumbens</i>	Pine Hill flannelbush	Endangered	US
<i>Fritillaria gentneri</i>	Gentner's Fritillary	Endangered	US
<i>Fulica americana alai</i>	Hawaiian coot	Endangered	US
<i>Fundulus julisia</i>	Barrens topminnow	Endangered	US
<i>Fusconaia cor</i>	Shiny pigtoe	Endangered	US
<i>Fusconaia cuneolus</i>	Finerayed pigtoe	Endangered	US
<i>Fusconaia rotulata</i>	Round Ebonyshell	Endangered	US
<i>Galactia smallii</i>	Small's milkpea	Endangered	US
<i>Galium buxifolium</i>	Island bedstraw	Endangered	US
<i>Galium californicum ssp. sierrae</i>	El Dorado bedstraw	Endangered	US
<i>Gallicolumba stairi</i>	Friendly Ground-Dove	Endangered	US
<i>Gallinula chloropus guami</i>	Mariana common moorhen	Endangered	US
<i>Gallinula galeata sandvicensis</i>	Hawaiian common gallinule	Endangered	US
<i>Gambelia silus</i>	Blunt-nosed leopard lizard	Endangered	US
<i>Gambusia gaigei</i>	Big Bend gambusia	Endangered	US
<i>Gambusia georgei</i>	San Marcos gambusia	Endangered	US
<i>Gambusia heterochir</i>	Clear Creek gambusia	Endangered	US
<i>Gambusia nobilis</i>	Pecos gambusia	Endangered	US
<i>Gammarus acherondytes</i>	Illinois cave amphipod	Endangered	US
<i>Gammarus desperatus</i>	Noel's Amphipod	Endangered	US
<i>Gammarus hyalleloides</i>	Diminutive Amphipod	Endangered	US
<i>Gammarus pecos</i>	Pecos amphipod	Endangered	US
<i>Gardenia brighamii</i>	Hawaiian gardenia (=Na`u)	Endangered	US
<i>Gardenia mannii</i>	Nanu	Endangered	US
<i>Gardenia remyi</i>	Nanu	Endangered	US
<i>Gasterosteus aculeatus williamsoni</i>	Unarmored threespine stickleback	Endangered	US
<i>Geranium arboreum</i>	Nohoanu	Endangered	US



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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Helminthoglypta walkeriana</i>	Morro shoulderband (=Banded dune) snail	Endangered	US
<i>Hemignathus affinis</i>	Maui nukupuu	Endangered	US
<i>Hemignathus hanapepe</i>	Kauai nukupuu	Endangered	US
<i>Hemignathus wilsoni</i>	akiapolaa	Endangered	US
<i>Hemistena lata</i>	Cracking pearlymussel	Endangered	US
<i>Heraclides aristodemus ponceanus</i>	Schaus swallowtail butterfly	Endangered	US
<i>Heritiera longipetiolata</i>	Ufa-halomtano	Endangered	US
<i>Hesperomannia arborescens</i>	No common name	Endangered	US
<i>Hesperomannia arbuscula</i>	No common name	Endangered	US
<i>Hesperomannia lydgatei</i>	No common name	Endangered	US
<i>Heterelmis comalensis</i>	Comal Springs riffle beetle	Endangered	US
<i>Hibiscadelphus distans</i>	Kauai hau kuahiwi	Endangered	US
<i>Hibiscadelphus giffardianus</i>	Hau kuahiwi	Endangered	US
<i>Hibiscadelphus hualalaiensis</i>	Hau kuahiwi	Endangered	US
<i>Hibiscadelphus woodii</i>	Hau kuahiwi	Endangered	US
<i>Hibiscus arnottianus ssp. immaculatus</i>	Koki`o ke`oke`o	Endangered	US
<i>Hibiscus brackenridgei</i>	(=Native yellow hibiscus) ma`o hau hele	Endangered	US
<i>Hibiscus clayi</i>	Clay's hibiscus	Endangered	US
<i>Hibiscus waimeae ssp. hannerae</i>	Koki`o ke`oke`o	Endangered	US
<i>Himantopus mexicanus knudseni</i>	Hawaiian stilt	Endangered	US
<i>Hoffmannseggia tenella</i>	Slender rush-pea	Endangered	US
<i>Huperzia mannii</i>	Wawae`iole	Endangered	US
<i>Huperzia nutans</i>	Wawae`iole	Endangered	US
<i>Huperzia stemmermanniae</i>	No common name	Endangered	US
<i>Hylaeus anthracinus</i>	Anthracinan yellow-faced bee	Endangered	US
<i>Hylaeus assimulans</i>	Assimulans yellow-faced bee	Endangered	US
<i>Hylaeus facilis</i>	Easy yellow-faced bee	Endangered	US
<i>Hylaeus hilaris</i>	Hilaris yellow-faced bee	Endangered	US
<i>Hylaeus kuakea</i>	Hawaiian yellow-faced bee	Endangered	US
<i>Hylaeus longiceps</i>	Hawaiian yellow-faced bee	Endangered	US
<i>Hylaeus mana</i>	Hawaiian yellow-faced bee	Endangered	US
<i>Hymenoxys texana</i>	Texas prairie dawn-flower	Endangered	US
<i>Hypericum cumulicola</i>	Highlands scrub hypericum	Endangered	US

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Hypolepis hawaiiensis</i> var. <i>mauiensis</i>	olua	Endangered	US
<i>Hypolimnna octocula marianensis</i>	Mariana eight-spot butterfly	Endangered	US
<i>Icaricia (Plebejus) shasta charlestonensis</i>	Mount Charleston blue butterfly	Endangered	US
<i>Icaricia icarioides fenderi</i>	Fender's blue butterfly	Endangered	US
<i>Icaricia icarioides missionensis</i>	Mission blue butterfly	Endangered	US
<i>Ilex cookii</i>	Cook's holly	Endangered	US
<i>Ilex sintenisii</i>	No common name	Endangered	US
<i>Iliamna corei</i>	Peter's Mountain mallow	Endangered	US
<i>Ipomopsis polyantha</i>	Pagosa skyrocket	Endangered	US
<i>Ipomopsis sancti-spiritus</i>	Holy Ghost ipomopsis	Endangered	US
<i>Ischaemum byrone</i>	Hilo ischaemum	Endangered	US
<i>Ischnura luta</i>	Rota blue damselfly	Endangered	US
<i>Isodendrion hosakae</i>	Aupaka	Endangered	US
<i>Isodendrion laurifolium</i>	Aupaka	Endangered	US
<i>Isodendrion pyriformium</i>	Kula wahine noho	Endangered	US
<i>Isoetes louisianensis</i>	Louisiana quillwort	Endangered	US
<i>Isoetes melanospora</i>	Black spored quillwort	Endangered	US
<i>Isoetes tegetiformans</i>	Mat-forming quillwort	Endangered	US
<i>Jacquemontia reclinata</i>	Beach jacquemontia	Endangered	US
<i>Joinvillea ascendens ascendens</i>	`Ohe	Endangered	US
<i>Justicia cooleyi</i>	Cooley's water-willow	Endangered	US
<i>Juturnia kosteri</i>	Koster's springsnail	Endangered	US
<i>Kadua cookiana</i>	'Awiwi	Endangered	US
<i>Kadua cordata remyi</i>	kopa	Endangered	US
<i>Kadua coriacea</i>	Kio`ele	Endangered	US
<i>Kadua degeneri</i>	No common name	Endangered	US
<i>Kadua fluviatilis</i>	Kamapua`a	Endangered	US
<i>Kadua haupuensis</i>	No common name	Endangered	US
<i>Kadua laxiflora</i>	pilo	Endangered	US
<i>Kadua parvula</i>	No common name	Endangered	US
<i>Kadua st.-johnii</i>	No common name	Endangered	US
<i>Kanaloa kahoolawensis</i>	Kohe malama malama o kanaloa	Endangered	US

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Keysseria (=Lagenifera) erici</i>	No common name	Endangered	US
<i>Keysseria (=Lagenifera) helenae</i>	No common name	Endangered	US
<i>Kokia cookei</i>	Cooke's koki`o	Endangered	US
<i>Kokia drynarioides</i>	Koki`o	Endangered	US
<i>Kokia kauaiensis</i>	Koki`o	Endangered	US
<i>Korthalsella degeneri</i>	Hulumoa	Endangered	US
<i>Labordia cyrtandrae</i>	Kamakahala	Endangered	US
<i>Labordia helleri</i>	Kamakahala	Endangered	US
<i>Labordia lorenciana</i>	No common name	Endangered	US
<i>Labordia lydgatei</i>	Kamakahala	Endangered	US
<i>Labordia pumila</i>	Kamakahala	Endangered	US
<i>Labordia tinifolia var. lanaiensis</i>	Kamakahala	Endangered	US
<i>Labordia tinifolia var. wahiawaensis</i>	Kamakahala	Endangered	US
<i>Labordia triflora</i>	Kamakahala	Endangered	US
<i>Lampsilis abrupta</i>	Pink mucket (pearlymussel)	Endangered	US
<i>Lampsilis higginsii</i>	Higgins eye (pearlymussel)	Endangered	US
<i>Lampsilis rafinesqueana</i>	Neosho Mucket	Endangered	US
<i>Lampsilis streckeri</i>	Speckled pocketbook	Endangered	US
<i>Lampsilis subangulata</i>	Shinyrayed pocketbook	Endangered	US
<i>Lampsilis virescens</i>	Alabama lampmussel	Endangered	US
<i>Lanius ludovicianus mearnsi</i>	San Clemente loggerhead shrike	Endangered	US
<i>Lanx sp.</i>	Banbury Springs limpet	Endangered	US
<i>Lasiurus cinereus semotus</i>	Hawaiian hoary bat	Endangered	US
<i>Lasmigona decorata</i>	Carolina heelsplitter	Endangered	US
<i>Lasthenia burkei</i>	Burke's goldfields	Endangered	US
<i>Lasthenia conjugens</i>	Contra Costa goldfields	Endangered	US
<i>Layia carnosa</i>	Beach layia	Endangered	US
<i>Leavenworthia crassa</i>	Fleshy-fruit gladecress	Endangered	US
<i>Leavenworthia texana</i>	Texas golden Gladecress	Endangered	US
<i>Lemiox rimosus</i>	Birdwing pearlymussel	Endangered	US
<i>Lepanthes eltoroensis</i>	No common name	Endangered	US
<i>Lepidium arbuscula</i>	`Anaunau	Endangered	US
<i>Lepidium barnebyanum</i>	Barneby ridge-cress	Endangered	US

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Lepidium orbiculare</i>	No common name	Endangered	US
<i>Lepidomeda albivallis</i>	White River spinedace	Endangered	US
<i>Lepidurus packardi</i>	Vernal pool tadpole shrimp	Endangered	US
<i>Leptocereus grantianus</i>	No common name	Endangered	US
<i>Leptodea leptodon</i>	Scaleshell mussel	Endangered	US
<i>Leptoxis foremani</i>	Interrupted (=Georgia) Rocksnail	Endangered	US
<i>Leptoxis plicata</i>	Plicate rocksnail	Endangered	US
<i>Lepyrium showalteri</i>	Flat pebblesnail	Endangered	US
<i>Lesquerella kingii ssp. bernardina</i>	San Bernardino Mountains bladderpod	Endangered	US
<i>Lesquerella pallida</i>	White bladderpod	Endangered	US
<i>Lesquerella perforata</i>	Spring Creek bladderpod	Endangered	US
<i>Lesquerella thamnophila</i>	Zapata bladderpod	Endangered	US
<i>Lesquerella tumulosa</i>	Kodachrome bladderpod	Endangered	US
<i>Lessingia germanorum</i> (=L.g. var. <i>germanorum</i> )	San Francisco lessingia	Endangered	US
<i>Liatris ohlingerae</i>	Scrub blazingstar	Endangered	US
<i>Lilium occidentale</i>	Western lily	Endangered	US
<i>Lilium pardalinum ssp. pitkinense</i>	Pitkin Marsh lily	Endangered	US
<i>Limnanthes floccosa ssp. californica</i>	Butte County meadowfoam	Endangered	US
<i>Limnanthes pumila ssp. grandiflora</i>	Large-flowered woolly meadowfoam	Endangered	US
<i>Limnanthes vinculans</i>	Sebastopol meadowfoam	Endangered	US
<i>Lindera melissifolia</i>	Pondberry	Endangered	US
<i>Linum arenicola</i>	Sand flax	Endangered	US
<i>Linum carteri carteri</i>	Carter's small-flowered flax	Endangered	US
<i>Lioplax cyclostomaformis</i>	Cylindrical lioplax (snail)	Endangered	US
<i>Lipochaeta fauriei</i>	Nehe	Endangered	US
<i>Lipochaeta lobata var. leptophylla</i>	Nehe	Endangered	US
<i>Lipochaeta micrantha</i>	Nehe	Endangered	US
<i>Lipochaeta venosa</i>	No common name	Endangered	US
<i>Lipochaeta waimeaensis</i>	Nehe	Endangered	US
<i>Lirceus usdagalun</i>	Lee County cave isopod	Endangered	US
<i>Lithophragma maximum</i>	San Clemente Island woodland-star	Endangered	US
<i>Lobelia koolauensis</i>	No common name	Endangered	US

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Scientific Name	Common Name	Status	Location
<i>Lobelia monostachya</i>	No common name	Endangered	US
<i>Lobelia niihauensis</i>	No common name	Endangered	US
<i>Lobelia oahuensis</i>	No common name	Endangered	US
<i>Lomatium bradshawii</i>	Bradshaw's desert-parsley	Endangered	US
<i>Lomatium cookii</i>	Cook's lomatium	Endangered	US
<i>Loxioides bailleui</i>	Palila (honeycreeper)	Endangered	US
<i>Loxops caeruleirostris</i>	Akekee	Endangered	US
<i>Loxops coccineus</i>	Hawaii akepa	Endangered	US
<i>Loxops ochraceus</i>	Maui akepa	Endangered	US
<i>Lupinus aridorum</i>	Scrub lupine	Endangered	US
<i>Lupinus nipomensis</i>	Nipomo Mesa lupine	Endangered	US
<i>Lupinus tidestromii</i>	Clover lupine	Endangered	US
<i>Lycaeides argyrognomon lotis</i>	Lotis blue butterfly	Endangered	US
<i>Lyonia truncata var. proctorii</i>	No common name	Endangered	US
<i>Lysimachia asperulaefolia</i>	Rough-leaved loosestrife	Endangered	US
<i>Lysimachia daphnoides</i>	lehua makanoe	Endangered	US
<i>Lysimachia filifolia</i>	No common name	Endangered	US
<i>Lysimachia iniki</i>	No common name	Endangered	US
<i>Lysimachia lydgatei</i>	No common name	Endangered	US
<i>Lysimachia maxima</i>	No common name	Endangered	US
<i>Lysimachia pendens</i>	No common name	Endangered	US
<i>Lysimachia scopulensis</i>	No common name	Endangered	US
<i>Lysimachia venosa</i>	No common name	Endangered	US
<i>Malacothamnus clementinus</i>	San Clemente Island bush-mallow	Endangered	US
<i>Malacothamnus fasciculatus var. nesioticus</i>	Santa Cruz Island bush-mallow	Endangered	US
<i>Malacothrix indecora</i>	Santa Cruz Island malacothrix	Endangered	US
<i>Malacothrix squalida</i>	Island malacothrix	Endangered	US
<i>Manduca blackburni</i>	Blackburn's sphinx moth	Endangered	US
<i>Margaritifera marrianae</i>	Alabama pearlshell	Endangered	US
<i>Marsilea villosa</i>	Ihi`ihi	Endangered	US
<i>Medionidus parvulus</i>	Coosa moccasinshell	Endangered	US
<i>Medionidus penicillatus</i>	Gulf moccasinshell	Endangered	US

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Medionidus simpsonianus</i>	Ochlockonee moccasinshell	Endangered	US
<i>Megalagrion leptodemas</i>	Crimson Hawaiian damselfly	Endangered	US
<i>Megalagrion nesiotus</i>	Flying earwig Hawaiian damselfly	Endangered	US
<i>Megalagrion nigrohamatum nigrolineatum</i>	Blackline Hawaiian damselfly	Endangered	US
<i>Megalagrion oceanicum</i>	Oceanic Hawaiian damselfly	Endangered	US
<i>Megalagrion pacificum</i>	Pacific Hawaiian damselfly	Endangered	US
<i>Megalagrion xanthomelas</i>	Orangeblack Hawaiian damselfly	Endangered	US
<i>Melamprosops phaeosoma</i>	Po`ouli (honeycreeper)	Endangered	US
<i>Melanthera kamolensis</i>	nehe	Endangered	US
<i>Melanthera tenuifolia</i>	Nehe	Endangered	US
<i>Melicope adscendens</i>	Alani	Endangered	US
<i>Melicope balloui</i>	Alani	Endangered	US
<i>Melicope christophersenii</i>	Alani	Endangered	US
<i>Melicope degeneri</i>	Alani	Endangered	US
<i>Melicope haupuensis</i>	Alani	Endangered	US
<i>Melicope hiiakae</i>	Alani	Endangered	US
<i>Melicope knudsenii</i>	Alani	Endangered	US
<i>Melicope lydgatei</i>	Alani	Endangered	US
<i>Melicope makahae</i>	Alani	Endangered	US
<i>Melicope mucronulata</i>	Alani	Endangered	US
<i>Melicope munroi</i>	Alani	Endangered	US
<i>Melicope ovalis</i>	Alani	Endangered	US
<i>Melicope pallida</i>	Alani	Endangered	US
<i>Melicope paniculata</i>	Alani	Endangered	US
<i>Melicope puberula</i>	Alani	Endangered	US
<i>Melicope quadrangularis</i>	Alani	Endangered	US
<i>Melicope reflexa</i>	Alani	Endangered	US
<i>Melicope saint-johnii</i>	Alani	Endangered	US
<i>Melicope zahlbruckneri</i>	Alani	Endangered	US
<i>Mezoneuron kavaiense</i>	Uhi uhi	Endangered	US
<i>Microhexura montivaga</i>	Spruce-fir moss spider	Endangered	US
<i>Microlepidia strigosa var. mauiensis</i>	No common name	Endangered	US

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Microtus californicus scirpensis</i>	Amargosa vole	Endangered	US
<i>Microtus pennsylvanicus dukecampbelli</i>	Florida salt marsh vole	Endangered	US
<i>Mimulus michiganensis</i>	Michigan monkey-flower	Endangered	US
<i>Mitracarpus maxwelliae</i>	No common name	Endangered	US
<i>Moapa coriacea</i>	Moapa dace	Endangered	US
<i>Moho braccatus</i>	Kauai `o`o (honeyeater)	Endangered	US
<i>Monolopia (=Lembertia) congdonii</i>	San Joaquin wooly-threads	Endangered	US
<i>Mucuna sloanei var. persericea</i>	sea bean	Endangered	US
<i>Myadestes lanaiensis rutha</i>	Molokai thrush	Endangered	US
<i>Myadestes myadestinus</i>	Large Kauai (=kamao) Thrush	Endangered	US
<i>Myadestes palmeri</i>	Small Kauai (=puaiohi) Thrush	Endangered	US
<i>Myotis grisescens</i>	Gray bat	Endangered	US
<i>Myotis sodalis</i>	Indiana bat	Endangered	US
<i>Myrcia paganii</i>	No common name	Endangered	US
<i>Myrsine fosbergii</i>	Kolea	Endangered	US
<i>Myrsine juddii</i>	Kolea	Endangered	US
<i>Myrsine knudsenii</i>	Kolea	Endangered	US
<i>Myrsine mezii</i>	Kolea	Endangered	US
<i>Myrsine vaccinioides</i>	Kolea	Endangered	US
<i>Navarretia leucocephala ssp. pauciflora (=N. pauciflora)</i>	Few-flowered navarretia	Endangered	US
<i>Navarretia leucocephala ssp. plieantha</i>	Many-flowered navarretia	Endangered	US
<i>Necturus alabamensis</i>	Black warrior (=Sipsey Fork) Waterdog	Endangered	US
<i>Neoleptoneta microps</i>	Government Canyon Bat Cave Spider	Endangered	US
<i>Neoleptoneta myopica</i>	Tooth Cave Spider	Endangered	US
<i>Neonympha mitchellii francisci</i>	Saint Francis' satyr butterfly	Endangered	US
<i>Neonympha mitchellii mitchellii</i>	Mitchell's satyr Butterfly	Endangered	US
<i>Neotoma floridana smalli</i>	Key Largo woodrat	Endangered	US
<i>Neotoma fuscipes riparia</i>	Riparian woodrat (=San Joaquin Valley)	Endangered	US
<i>Neraudia angulata</i>	No common name	Endangered	US
<i>Neraudia ovata</i>	No common name	Endangered	US
<i>Neraudia sericea</i>	No common name	Endangered	US
<i>Nesogenes rotensis</i>	No common name	Endangered	US

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Newcombia cumingi</i>	Newcomb's Tree snail	Endangered	US
<i>Nitrophila mohavensis</i>	Amargosa niterwort	Endangered	US
<i>Nolina brittoniana</i>	Britton's beargrass	Endangered	US
<i>Nothoctrum breviflorum</i>	`Aiea	Endangered	US
<i>Nothoctrum latifolium</i>	`Aiea	Endangered	US
<i>Nothoctrum peltatum</i>	`Aiea	Endangered	US
<i>Nototrichium humile</i>	Kulu`i	Endangered	US
<i>Notropis albizonatus</i>	Palezone shiner	Endangered	US
<i>Notropis buccula</i>	Smalleye Shiner	Endangered	US
<i>Notropis cahabae</i>	Cahaba shiner	Endangered	US
<i>Notropis mekistocholas</i>	Cape Fear shiner	Endangered	US
<i>Notropis oxyrhynchus</i>	Sharpnose Shiner	Endangered	US
<i>Notropis topeka (=tristis)</i>	Topeka shiner	Endangered	US
<i>Noturus baileyi</i>	Smoky madtom	Endangered	US
<i>Noturus crypticus</i>	Chucky Madtom	Endangered	US
<i>Noturus stanauli</i>	Pygmy madtom	Endangered	US
<i>Noturus trautmani</i>	Scioto madtom	Endangered	US
<i>Oarisma poweshiek</i>	Poweshiek skipperling	Endangered	US
<i>Obovaria retusa</i>	Ring pink (mussel)	Endangered	US
<i>Oceanodroma castro</i>	Band-rumped storm-petrel	Endangered	US
<i>Ochrosia haleakalae</i>	Holei	Endangered	US
<i>Ochrosia kilaueaensis</i>	Holei	Endangered	US
<i>Odocoileus virginianus clavium</i>	Key deer	Endangered	US
<i>Oenothera deltoides ssp. howellii</i>	Antioch Dunes evening-primrose	Endangered	US
<i>Opuntia treleasei</i>	Bakersfield cactus	Endangered	US
<i>Orconectes shoupi</i>	Nashville crayfish	Endangered	US
<i>Orcuttia californica</i>	California Orcutt grass	Endangered	US
<i>Orcuttia pilosa</i>	Hairy Orcutt grass	Endangered	US
<i>Orcuttia viscida</i>	Sacramento Orcutt grass	Endangered	US
<i>Oreomystis bairdi</i>	Akikiki	Endangered	US
<i>Oreomystis mana</i>	Hawaii creeper	Endangered	US
<i>Oryzomys palustris natator</i>	Silver rice rat	Endangered	US
<i>Osmoxylon mariannense</i>	No common name	Endangered	US

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Ostodes strigatus</i>	Snail [no common name]	Endangered	US
<i>Ottoschulzia rhodoxylon</i>	Palo de rosa	Endangered	US
<i>Ovis canadensis sierrae</i>	Sierra Nevada bighorn sheep	Endangered	US
<i>Oxyloma haydeni kanabensis</i>	Kanab ambersnail	Endangered	US
<i>Oxypolis canbyi</i>	Canby's dropwort	Endangered	US
<i>Oxytheca parishii var. goodmaniana</i>	Cushenbury oxytheca	Endangered	US
<i>Pacifastacus fortis</i>	Shasta crayfish	Endangered	US
<i>Palaemonias alabamiae</i>	Alabama cave shrimp	Endangered	US
<i>Palaemonias ganteri</i>	Kentucky cave shrimp	Endangered	US
<i>Palmeria dolei</i>	crested honeycreeper (Akohekohe)	Endangered	US
<i>Panicum fauriei var. carteri</i>	Carter's panicgrass	Endangered	US
<i>Panicum niihauense</i>	Lau `ehu	Endangered	US
<i>Paroreomyza flammea</i>	Molokai creeper	Endangered	US
<i>Paroreomyza maculata</i>	Oahu creeper	Endangered	US
<i>Partula gibba</i>	Humped tree snail	Endangered	US
<i>Partula langfordi</i>	Langford's tree snail	Endangered	US
<i>Partula radiolata</i>	Guam tree snail	Endangered	US
<i>Partulina semicarinata</i>	Lanai tree snail	Endangered	US
<i>Partulina variabilis</i>	Lanai tree snail	Endangered	US
<i>Parvisedum leiocarpum</i>	Lake County stonecrop	Endangered	US
<i>Pediocactus bradyi</i>	Brady pincushion cactus	Endangered	US
<i>Pediocactus despainii</i>	San Rafael cactus	Endangered	US
<i>Pediocactus knowltonii</i>	Knowlton's cactus	Endangered	US
<i>Pediocactus peeblesianus fickeiseniae</i>	Fickeisen plains cactus	Endangered	US
<i>Pediocactus peeblesianus var. peeblesianus</i>	Peebles Navajo cactus	Endangered	US
<i>Pegias fabula</i>	Littlewing pearlymussel	Endangered	US
<i>Pekania pennanti</i>	Fisher	Endangered	US
<i>Penstemon haydenii</i>	Blowout penstemon	Endangered	US
<i>Penstemon penlandii</i>	Penland beardtongue	Endangered	US
<i>Pentachaeta bellidiflora</i>	White-rayed pentachaeta	Endangered	US
<i>Pentachaeta lyonii</i>	Lyon's pentachaeta	Endangered	US
<i>Peperomia subpetiolata</i>	`Ala `ala wai noi	Endangered	US

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Peperomia wheeleri</i>	Wheeler's peperomia	Endangered	US
<i>Percina antesella</i>	Amber darter	Endangered	US
<i>Percina jenkinsi</i>	Conasauga logperch	Endangered	US
<i>Percina rex</i>	Roanoke logperch	Endangered	US
<i>Perognathus longimembris pacificus</i>	Pacific pocket mouse	Endangered	US
<i>Peromyscus gossypinus allapaticola</i>	Key Largo cotton mouse	Endangered	US
<i>Peromyscus polionotus allophrys</i>	Choctawhatchee beach mouse	Endangered	US
<i>Peromyscus polionotus ammobates</i>	Alabama beach mouse	Endangered	US
<i>Peromyscus polionotus peninsularis</i>	St. Andrew beach mouse	Endangered	US
<i>Peromyscus polionotus phasma</i>	Anastasia Island beach mouse	Endangered	US
<i>Peromyscus polionotus trissyllepsis</i>	Perdido Key beach mouse	Endangered	US
<i>Phacelia argillacea</i>	Clay phacelia	Endangered	US
<i>Phacelia formosula</i>	North Park phacelia	Endangered	US
<i>Phacelia insularis ssp. insularis</i>	Island phacelia	Endangered	US
<i>Phlox hirsuta</i>	Yreka phlox	Endangered	US
<i>Phlox nivalis ssp. texensis</i>	Texas trailing phlox	Endangered	US
<i>Phyllanthus saffordii</i>	No common name	Endangered	US
<i>Phyllostegia bracteata</i>	No common name	Endangered	US
<i>Phyllostegia brevidens</i>	No common name	Endangered	US
<i>Phyllostegia floribunda</i>	No common name	Endangered	US
<i>Phyllostegia glabra var. lanaiensis</i>	No common name	Endangered	US
<i>Phyllostegia haliakalae</i>	No common name	Endangered	US
<i>Phyllostegia helleri</i>	No common name	Endangered	US
<i>Phyllostegia hirsuta</i>	No common name	Endangered	US
<i>Phyllostegia hispida</i>	No common name	Endangered	US
<i>Phyllostegia kaalaensis</i>	No common name	Endangered	US
<i>Phyllostegia knudsenii</i>	No common name	Endangered	US
<i>Phyllostegia mannii</i>	No common name	Endangered	US
<i>Phyllostegia mollis</i>	No common name	Endangered	US
<i>Phyllostegia parviflora</i>	No common name	Endangered	US
<i>Phyllostegia pilosa</i>	No common name	Endangered	US
<i>Phyllostegia racemosa</i>	Kiponapona	Endangered	US
<i>Phyllostegia renovans</i>	No common name	Endangered	US

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Scientific Name	Common Name	Status	Location
<i>Phyllostegia stachyoides</i>	No common name	Endangered	US
<i>Phyllostegia velutina</i>	No common name	Endangered	US
<i>Phyllostegia waimeae</i>	No common name	Endangered	US
<i>Phyllostegia warshaueri</i>	No common name	Endangered	US
<i>Phyllostegia wawrana</i>	No common name	Endangered	US
<i>Physa natricina</i>	Snake River physa snail	Endangered	US
<i>Physaria globosa</i>	Short's bladderpod	Endangered	US
<i>Picoides borealis</i>	Red-cockaded woodpecker	Endangered	US
<i>Piperia yadonii</i>	Yadon's piperia	Endangered	US
<i>Pittosporum halophilum</i>	Hoawa	Endangered	US
<i>Pittosporum hawaiiense</i>	Hoawa	Endangered	US
<i>Pittosporum napaliense</i>	Ho`awa	Endangered	US
<i>Pityopsis ruthii</i>	Ruth's golden aster	Endangered	US
<i>Plagiobothrys hirtus</i>	rough popcornflower	Endangered	US
<i>Plagiobothrys strictus</i>	Calistoga allocarya	Endangered	US
<i>Plagopterus argentissimus</i>	Woundfin	Endangered	US
<i>Plantago hawaiiensis</i>	Kuahiwi laukahi	Endangered	US
<i>Plantago princeps</i>	Kuahiwi laukahi	Endangered	US
<i>Platanthera holochila</i>	No common name	Endangered	US
<i>Platydesma cornuta</i> var. <i>cornuta</i>	No common name	Endangered	US
<i>Platydesma cornuta</i> var. <i>decurrens</i>	No common name	Endangered	US
<i>Platydesma remyi</i>	No common name	Endangered	US
<i>Platydesma rostrata</i>	Pilo kea lau li`i	Endangered	US
<i>Pleodendron macranthum</i>	Chupacallos	Endangered	US
<i>Pleomele fernaldii</i>	Hala pepe	Endangered	US
<i>Pleomele forbesii</i>	Hala pepe	Endangered	US
<i>Pleomele hawaiiensis</i>	Hala pepe	Endangered	US
<i>Plethobasus cicatricosus</i>	White wartyback (pearlymussel)	Endangered	US
<i>Plethobasus cooperianus</i>	Orangefoot pimpleback (pearlymussel)	Endangered	US
<i>Plethobasus cyphus</i>	Sheepnose Mussel	Endangered	US
<i>Plethodon neomexicanus</i>	Jemez Mountains salamander	Endangered	US
<i>Plethodon shenandoah</i>	Shenandoah salamander	Endangered	US
<i>Pleurobema clava</i>	Clubshell	Endangered	US

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Pleurobema collina</i>	James spinymussel	Endangered	US
<i>Pleurobema curtum</i>	Black clubshell	Endangered	US
<i>Pleurobema decisum</i>	Southern clubshell	Endangered	US
<i>Pleurobema furvum</i>	Dark pigtoe	Endangered	US
<i>Pleurobema georgianum</i>	Southern pigtoe	Endangered	US
<i>Pleurobema gibberum</i>	Cumberland pigtoe	Endangered	US
<i>Pleurobema hanleyianum</i>	Georgia pigtoe	Endangered	US
<i>Pleurobema marshalli</i>	Flat pigtoe	Endangered	US
<i>Pleurobema perovatum</i>	Ovate clubshell	Endangered	US
<i>Pleurobema plenum</i>	Rough pigtoe	Endangered	US
<i>Pleurobema pyriforme</i>	Oval pigtoe	Endangered	US
<i>Pleurobema taitianum</i>	Heavy pigtoe	Endangered	US
<i>Pleurocera foremani</i>	Rough hornsnail	Endangered	US
<i>Pleuonaia dolabelloides</i>	Slabside Pearlymussel	Endangered	US
<i>Poa atropurpurea</i>	San Bernardino bluegrass	Endangered	US
<i>Poa mannii</i>	Mann's bluegrass	Endangered	US
<i>Poa napensis</i>	Napa bluegrass	Endangered	US
<i>Poa sandvicensis</i>	Hawaiian bluegrass	Endangered	US
<i>Poa siphonoglossa</i>	No common name	Endangered	US
<i>Poeciliopsis occidentalis</i>	Gila topminnow (incl. Yaqui)	Endangered	US
<i>Pogogyne abramsii</i>	San Diego mesa-mint	Endangered	US
<i>Polygala lewtonii</i>	Lewton's polygala	Endangered	US
<i>Polygala smallii</i>	Tiny polygala	Endangered	US
<i>Polygonella basiramia</i>	Wireweed	Endangered	US
<i>Polygonella myriophylla</i>	Sandlace	Endangered	US
<i>Polygonum hickmanii</i>	Scotts Valley Polygonum	Endangered	US
<i>Polygyriscus virginianus</i>	Virginia fringed mountain snail	Endangered	US
<i>Polyphylla barbata</i>	Mount Hermon June beetle	Endangered	US
<i>Polyscias bisattenuata</i>	No common name	Endangered	US
<i>Polyscias flynnii</i>	No common name	Endangered	US
<i>Polyscias gymnocarpa</i>	`Ohe`ohe	Endangered	US
<i>Polyscias lydgatei</i>	No common name	Endangered	US
<i>Polyscias racemosa</i>	No common name	Endangered	US

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Polystichum aleuticum</i>	Aleutian shield fern	Endangered	US
<i>Polystichum calderonense</i>	No common name	Endangered	US
<i>Portulaca sclerocarpa</i>	Po`e	Endangered	US
<i>Portulaca villosa</i>	Ihi	Endangered	US
<i>Potamilus capax</i>	Fat pocketbook	Endangered	US
<i>Potamogeton clystocarpus</i>	Little Aguja (=Creek) Pondweed	Endangered	US
<i>Potentilla hickmanii</i>	Hickman's potentilla	Endangered	US
<i>Pritchardia aylmer-robinsonii</i>	Wahane	Endangered	US
<i>Pritchardia bakeri</i>	Baker's Loulu	Endangered	US
<i>Pritchardia hardyi</i>	Lo`ulu	Endangered	US
<i>Pritchardia kaalae</i>	Lo`ulu	Endangered	US
<i>Pritchardia lanigera</i>	Lo`ulu	Endangered	US
<i>Pritchardia maideniana</i>	Lo`ulu	Endangered	US
<i>Pritchardia munroi</i>	Lo`ulu	Endangered	US
<i>Pritchardia napaliensis</i>	Lo`ulu	Endangered	US
<i>Pritchardia remota</i>	Lo`ulu	Endangered	US
<i>Pritchardia schattaueri</i>	Lo`ulu	Endangered	US
<i>Pritchardia viscosa</i>	Lo`ulu	Endangered	US
<i>Procaris hawaiana</i>	Anchialine pool Shrimp	Endangered	US
<i>Prunus geniculata</i>	Scrub plum	Endangered	US
<i>Pseudemys alabamensis</i>	Alabama red-bellied turtle	Endangered	US
<i>Pseudemys rubriventris bangsi</i>	Plymouth Redbelly Turtle	Endangered	US
<i>Pseudobahia bahiifolia</i>	Hartweg's golden sunburst	Endangered	US
<i>Pseudocopaodes eunus obscurus</i>	Carson wandering skipper	Endangered	US
<i>Pseudognaphalium sandwicense</i> var. <i>molokaiense</i>	`Ena`ena	Endangered	US
<i>Pseudonestor xanthophrys</i>	Maui parrotbill (Kiwikiu)	Endangered	US
<i>Pseudotryonia adamantina</i>	Diamond Tryonia	Endangered	US
<i>Psittirostra psittacea</i>	`O`u (honeycreeper)	Endangered	US
<i>Psychotria grandiflora</i>	Kopiko	Endangered	US
<i>Psychotria hexandra</i> ssp. <i>oahuensis</i>	Kopiko	Endangered	US
<i>Psychotria hobbyi</i>	Kopiko	Endangered	US
<i>Psychotria malaspinae</i>	Aplokating-palaoan	Endangered	US

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Pteralyxia kauaiensis</i>	Kaulu	Endangered	US
<i>Pteralyxia macrocarpa</i>	Kaulu	Endangered	US
<i>Pteris lidgatei</i>	No common name	Endangered	US
<i>Pterodroma sandwichensis</i>	Hawaiian petrel	Endangered	US
<i>Pteropus tokudae</i>	Little Mariana fruit Bat	Endangered	US
<i>Ptilimnium nodosum</i>	Harperella	Endangered	US
<i>Ptychobranthus greenii</i>	Triangular Kidneyshell	Endangered	US
<i>Ptychobranthus jonesi</i>	Southern kidneyshell	Endangered	US
<i>Ptychobranthus subtentus</i>	Fluted kidneyshell	Endangered	US
<i>Ptychocheilus lucius</i>	Colorado pikeminnow (=squawfish)	Endangered	US
<i>Puma (=Felis) concolor coryi</i>	Florida panther	Endangered	US
<i>Purshia (=Cowania) subintegra</i>	Arizona Cliffrose	Endangered	US
<i>Pyrgulopsis (=Marstonia) pachyta</i>	Armored snail	Endangered	US
<i>Pyrgulopsis bruneauensis</i>	Bruneau Hot springsnail	Endangered	US
<i>Pyrgulopsis chupaderae</i>	Chupadera springsnail	Endangered	US
<i>Pyrgulopsis neomexicana</i>	Socorro springsnail	Endangered	US
<i>Pyrgulopsis ogmorhapse</i>	Royal marstonia (snail)	Endangered	US
<i>Pyrgulopsis roswellensis</i>	Roswell springsnail	Endangered	US
<i>Pyrgulopsis texana</i>	Phantom Springsnail	Endangered	US
<i>Pyrgulopsis trivialis</i>	Three Forks Springsnail	Endangered	US
<i>Pyrgus ruralis lagunae</i>	Laguna Mountains skipper	Endangered	US
<i>Quadrula cylindrica strigillata</i>	Rough rabbitsfoot	Endangered	US
<i>Quadrula fragosa</i>	Winged Mapleleaf	Endangered	US
<i>Quadrula intermedia</i>	Cumberland monkeyface (pearlymussel)	Endangered	US
<i>Quadrula sparsa</i>	Appalachian monkeyface (pearlymussel)	Endangered	US
<i>Quadrula stapes</i>	Stirrupshell	Endangered	US
<i>Rallus longirostris obsoletus</i>	California clapper rail	Endangered	US
<i>Rallus owstoni</i>	Guam rail	Endangered	US
<i>Rana muscosa</i>	Mountain yellow-legged frog	Endangered	US
<i>Rana sevosia</i>	dusky gopher frog	Endangered	US
<i>Rana sierrae</i>	Sierra Nevada Yellow-legged Frog	Endangered	US
<i>Ranunculus aestivalis (=acriformis)</i>	Autumn Buttercup	Endangered	US
<i>Ranunculus hawaiiensis</i>	Makou	Endangered	US

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Ranunculus mauianus</i>	Makou	Endangered	US
<i>Reithrodontomys raviventris</i>	Salt marsh harvest mouse	Endangered	US
<i>Remya kauaiensis</i>	No common name	Endangered	US
<i>Remya mauianus</i>	Maui remya	Endangered	US
<i>Remya montgomeryi</i>	No common name	Endangered	US
<i>Rhadine exilis</i>	[no common name] Beetle	Endangered	US
<i>Rhadine infernalis</i>	[no common name] Beetle	Endangered	US
<i>Rhadine persephone</i>	Tooth Cave ground beetle	Endangered	US
<i>Rhaphiomidas terminatus abdominalis</i>	Delhi Sands flower-loving fly	Endangered	US
<i>Rhinichthys osculus lethoporus</i>	Independence Valley speckled dace	Endangered	US
<i>Rhinichthys osculus nevadensis</i>	Ash Meadows speckled dace	Endangered	US
<i>Rhinichthys osculus oligoporus</i>	Clover Valley speckled dace	Endangered	US
<i>Rhinichthys osculus thermalis</i>	Kendall Warm Springs dace	Endangered	US
<i>Rhododendron chapmanii</i>	Chapman rhododendron	Endangered	US
<i>Rhus michauxii</i>	Michaux's sumac	Endangered	US
<i>Rorippa gambellii</i>	Gambel's watercress	Endangered	US
<i>Sagittaria fasciculata</i>	Bunched arrowhead	Endangered	US
<i>Salmo salar</i>	Atlantic salmon	Endangered	US
<i>Samoana fragilis</i>	Fragile tree snail	Endangered	US
<i>Sanicula marivera</i>	No common name	Endangered	US
<i>Sanicula purpurea</i>	No common name	Endangered	US
<i>Sanicula sandwicensis</i>	No common name	Endangered	US
<i>Santalum haleakalae var. lanaiense</i>	Lanai sandalwood (= `iliah)	Endangered	US
<i>Santalum involutum</i>	No common name	Endangered	US
<i>Sarracenia oreophila</i>	Green pitcher-plant	Endangered	US
<i>Sarracenia rubra ssp. alabamensis</i>	Alabama canebrake pitcher-plant	Endangered	US
<i>Sarracenia rubra ssp. jonesii</i>	Mountain sweet pitcher-plant	Endangered	US
<i>Scaevola coriacea</i>	Dwarf naupaka	Endangered	US
<i>Scaphirhynchus albus</i>	Pallid sturgeon	Endangered	US
<i>Scaphirhynchus suttkusi</i>	Alabama sturgeon	Endangered	US
<i>Schenkia sebaeoides</i>	Awiwi	Endangered	US
<i>Schiedea adamantis</i>	Diamond Head schiedea	Endangered	US
<i>Schiedea apokremnos</i>	Ma`oli`oli	Endangered	US

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Schiedea attenuata</i>	No common name	Endangered	US
<i>Schiedea diffusa ssp. macraei</i>	No common name	Endangered	US
<i>Schiedea diffusa subsp. diffusa</i>	No common name	Endangered	US
<i>Schiedea haleakalensis</i>	No common name	Endangered	US
<i>Schiedea hawaiiensis</i>	Ma`oli`oli	Endangered	US
<i>Schiedea helleri</i>	No common name	Endangered	US
<i>Schiedea hookeri</i>	No common name	Endangered	US
<i>Schiedea jacobii</i>	No common name	Endangered	US
<i>Schiedea kaalae</i>	No common name	Endangered	US
<i>Schiedea kauaiensis</i>	No common name	Endangered	US
<i>Schiedea kealiae</i>	Ma`oli`oli	Endangered	US
<i>Schiedea laui</i>	No common name	Endangered	US
<i>Schiedea lychnoides</i>	Kuawawaenuhu	Endangered	US
<i>Schiedea lydgatei</i>	No common name	Endangered	US
<i>Schiedea membranacea</i>	No common name	Endangered	US
<i>Schiedea nuttallii</i>	No common name	Endangered	US
<i>Schiedea obovata</i>	No common name	Endangered	US
<i>Schiedea pubescens</i>	Ma`oli`oli	Endangered	US
<i>Schiedea salicaria</i>	No common name	Endangered	US
<i>Schiedea sarmentosa</i>	No common name	Endangered	US
<i>Schiedea spergulina var. leiopoda</i>	No common name	Endangered	US
<i>Schiedea stellarioides</i>	Laulihilihi	Endangered	US
<i>Schiedea trinervis</i>	No common name	Endangered	US
<i>Schiedea verticillata</i>	No common name	Endangered	US
<i>Schiedea viscosa</i>	No common name	Endangered	US
<i>Schoenocrambe barnebyi</i>	Barneby reed-mustard	Endangered	US
<i>Schoenocrambe suffrutescens</i>	Shrubby reed-mustard	Endangered	US
<i>Schwalbea americana</i>	American chaffseed	Endangered	US
<i>Scirpus ancistrochaetus</i>	Northeastern bulrush	Endangered	US
<i>Sclerocactus wrightiae</i>	Wright fishhook cactus	Endangered	US
<i>Serianthes nelsonii</i>	Hayun lagu (=Guam), Tronkon guafi (Rota))	Endangered	US
<i>Sesbania tomentosa</i>	Ohai	Endangered	US

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Sibara filifolia</i>	Santa Cruz Island rockcress	Endangered	US
<i>Sicyos albus</i>	`Anunu	Endangered	US
<i>Sicyos lanceoloideus</i>	No common name	Endangered	US
<i>Sicyos macrophyllus</i>	`Anunu	Endangered	US
<i>Sidalcea keckii</i>	Keck's Checker-mallow	Endangered	US
<i>Sidalcea oregana ssp. valida</i>	Kenwood Marsh checker-mallow	Endangered	US
<i>Sidalcea oregana var. calva</i>	Wenatchee Mountains checkermallow	Endangered	US
<i>Sidalcea pedata</i>	Pedate checker-mallow	Endangered	US
<i>Silene alexandri</i>	No common name	Endangered	US
<i>Silene lanceolata</i>	No common name	Endangered	US
<i>Silene perlmanii</i>	No common name	Endangered	US
<i>Silene polypetala</i>	Fringed campion	Endangered	US
<i>Sisyrinchium dichotomum</i>	White irisette	Endangered	US
<i>Solanum drymophilum</i>	Erubia	Endangered	US
<i>Solanum guamense</i>	Berenghenas halomtano	Endangered	US
<i>Solanum incompletum</i>	Popolo ku mai	Endangered	US
<i>Solanum nelsonii</i>	Popolo	Endangered	US
<i>Solanum sandwicense</i>	`Aiakeakua, popolo	Endangered	US
<i>Solidago shortii</i>	Short's goldenrod	Endangered	US
<i>Somatochlora hineana</i>	Hine's emerald dragonfly	Endangered	US
<i>Sorex ornatus relictus</i>	Buena Vista Lake ornate Shrew	Endangered	US
<i>Spelaeorchestia koloana</i>	Kauai cave amphipod	Endangered	US
<i>Speoplatyrhinus poulsoni</i>	Alabama cavefish	Endangered	US
<i>Spermolepis hawaiiensis</i>	No common name	Endangered	US
<i>Speyeria callippe callippe</i>	Callippe silverspot butterfly	Endangered	US
<i>Speyeria zerene behrensii</i>	Behren's silverspot butterfly	Endangered	US
<i>Speyeria zerene myrtleae</i>	Myrtle's silverspot butterfly	Endangered	US
<i>Sphaeralcea gierischii</i>	Gierisch mallow	Endangered	US
<i>Spigelia gentianoides</i>	Gentian pinkroot	Endangered	US
<i>Spiranthes delitescens</i>	Canelo Hills ladies-tresses	Endangered	US
<i>Spiranthes parksii</i>	Navasota ladies-tresses	Endangered	US
<i>Stenogyne angustifolia var. angustifolia</i>	No common name	Endangered	US
<i>Stenogyne bifida</i>	No common name	Endangered	US

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Stenogyne campanulata</i>	No common name	Endangered	US
<i>Stenogyne cranwelliae</i>	No common name	Endangered	US
<i>Stenogyne kaalae ssp. sherffii</i>	No common name	Endangered	US
<i>Stenogyne kanehoana</i>	No common name	Endangered	US
<i>Stenogyne kauaulaensis</i>	No common name	Endangered	US
<i>Stenogyne kealiae</i>	No common name	Endangered	US
<i>Stephanomeria malheurensis</i>	Malheur wire-lettuce	Endangered	US
<i>Sterna antillarum</i>	Least tern	Endangered	US
<i>Streptanthus albidus ssp. albidus</i>	Metcalf Canyon jewelflower	Endangered	US
<i>Streptanthus niger</i>	Tiburon jewelflower	Endangered	US
<i>Streptocephalus woottoni</i>	Riverside fairy shrimp	Endangered	US
<i>Strymon acis bartrami</i>	Bartram's hairstreak Butterfly	Endangered	US
<i>Stygobromus (=Stygonectes) pecki</i>	Peck's cave amphipod	Endangered	US
<i>Stygobromus hayi</i>	Hay's Spring amphipod	Endangered	US
<i>Stygoparnus comalensis</i>	Comal Springs dryopid beetle	Endangered	US
<i>Styrax portoricensis</i>	Palo de jazmin	Endangered	US
<i>Styrax texanus</i>	Texas snowbells	Endangered	US
<i>Suaeda californica</i>	California seablite	Endangered	US
<i>Sylvilagus bachmani riparius</i>	Riparian brush rabbit	Endangered	US
<i>Sylvilagus palustris hefneri</i>	Lower Keys marsh rabbit	Endangered	US
<i>Syncaris pacifica</i>	California freshwater shrimp	Endangered	US
<i>Tamiasciurus hudsonicus grahamensis</i>	Mount Graham red squirrel	Endangered	US
<i>Taraxacum californicum</i>	California taraxacum	Endangered	US
<i>Tartarocreagris texana</i>	Tooth Cave pseudoscorpion	Endangered	US
<i>Tectaria estremerana</i>	No common name	Endangered	US
<i>Telespyza cantans</i>	Laysan finch (honeycreeper)	Endangered	US
<i>Telespyza ultima</i>	Nihoa finch (honeycreeper)	Endangered	US
<i>Ternstroemia luquillensis</i>	Palo colorado	Endangered	US
<i>Ternstroemia subsessilis</i>	No common name	Endangered	US
<i>Tetramolopium arenarium</i>	No common name	Endangered	US
<i>Tetramolopium capillare</i>	Pamakani	Endangered	US
<i>Tetramolopium filiforme</i>	No common name	Endangered	US

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Tetramolopium lepidotum ssp. lepidotum</i>	No common name	Endangered	US
<i>Tetramolopium remyi</i>	No common name	Endangered	US
<i>Texamaurops reddelli</i>	Kretschmarr Cave mold beetle	Endangered	US
<i>Texella cokendolpheri</i>	Cokendolpher Cave Harvestman	Endangered	US
<i>Texella reddelli</i>	Bee Creek Cave harvestman	Endangered	US
<i>Texella reyesi</i>	Bone Cave harvestman	Endangered	US
<i>Thalictrum cooleyi</i>	Cooley's meadowrue	Endangered	US
<i>Thamnophis sirtalis tetrataenia</i>	San Francisco garter snake	Endangered	US
<i>Thelypodium stenopetalum</i>	Slender-petaled mustard	Endangered	US
<i>Thelypteris inabonensis</i>	No common name	Endangered	US
<i>Thelypteris verecunda</i>	No common name	Endangered	US
<i>Thelypteris yaucoensis</i>	No common name	Endangered	US
<i>Thermosphaeroma thermophilus</i>	Socorro isopod	Endangered	US
<i>Thlaspi californicum</i>	Kneeland Prairie penny-cress	Endangered	US
<i>Thymophylla tephroleuca</i>	Ashy dogweed	Endangered	US
<i>Thysanocarpus conchuliferus</i>	Santa Cruz Island fringe-pod	Endangered	US
<i>Tinospora homosepala</i>	No common name	Endangered	US
<i>Torreya taxifolia</i>	Florida torreya	Endangered	US
<i>Toxolasma cylindrellus</i>	Pale lilliput (pearlymussel)	Endangered	US
<i>Trematolobelia singularis</i>	No common name	Endangered	US
<i>Trichilia triacantha</i>	Bariaco	Endangered	US
<i>Trichomanes punctatum ssp. floridanum</i>	Florida bristle fern	Endangered	US
<i>Trifolium amoenum</i>	Showy Indian clover	Endangered	US
<i>Trifolium stoloniferum</i>	Running buffalo clover	Endangered	US
<i>Trifolium trichocalyx</i>	Monterey clover	Endangered	US
<i>Trillium persistens</i>	Persistent trillium	Endangered	US
<i>Trillium reliquum</i>	Relict trillium	Endangered	US
<i>Trimerotropis infantilis</i>	Zayante band-winged grasshopper	Endangered	US
<i>Tryonia alamosae</i>	Alamosa springsnail	Endangered	US
<i>Tryonia cheatumi</i>	Phantom Tryonia	Endangered	US
<i>Tryonia circumstriata (=stocktonensis)</i>	Gonzales tryonia	Endangered	US

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Tuctoria greenei</i>	Greene's tuctoria	Endangered	US
<i>Tuctoria mucronata</i>	Solano grass	Endangered	US
<i>Tympanuchus cupido attwateri</i>	Attwater's greater prairie-chicken	Endangered	US
<i>Typhlomolge rathbuni</i>	Texas blind salamander	Endangered	US
<i>Urera kaalae</i>	Opuhe	Endangered	US
<i>Vagrans egistina</i>	Mariana wandering butterfly	Endangered	US
<i>Vernonia proctorii</i>	No common name	Endangered	US
<i>Vetericaris chaceorum</i>	Anchialine pool shrimp	Endangered	US
<i>Vicia menziesii</i>	Hawaiian vetch	Endangered	US
<i>Vigna o-wahuensis</i>	No common name	Endangered	US
<i>Villosa choctawensis</i>	Choctaw bean	Endangered	US
<i>Villosa perpurpurea</i>	Purple bean	Endangered	US
<i>Villosa trabalis</i>	Cumberland bean (pearlymussel)	Endangered	US
<i>Viola chamissoniana ssp. chamissoniana</i>	Pamakani	Endangered	US
<i>Viola helenae</i>	No common name	Endangered	US
<i>Viola kauaiensis var. wahiawaensis</i>	Nani wai`ale`ale	Endangered	US
<i>Viola lanaiensis</i>	No common name	Endangered	US
<i>Viola oahuensis</i>	No common name	Endangered	US
<i>Vulpes macrotis mutica</i>	San Joaquin kit fox	Endangered	US
<i>Warea amplexifolia</i>	Wide-leaf warea	Endangered	US
<i>Warea carteri</i>	Carter's mustard	Endangered	US
<i>Wikstroemia skottsbergiana</i>	No common name	Endangered	US
<i>Wikstroemia villosa</i>	No common name	Endangered	US
<i>Wilkesia hobyi</i>	Dwarf iliau	Endangered	US
<i>Xylosma crenatum</i>	No common name	Endangered	US
<i>Xyris tennesseensis</i>	Tennessee yellow-eyed grass	Endangered	US
<i>Zanthoxylum dipetalum var. tomentosum</i>	A`e	Endangered	US
<i>Zanthoxylum hawaiiense</i>	A`e	Endangered	US
<i>Zanthoxylum oahuense</i>	A`e	Endangered	US
<i>Zanthoxylum thomsonianum</i>	St. Thomas prickly-ash	Endangered	US
<i>Zapus hudsonius luteus</i>	New Mexico meadow jumping mouse	Endangered	US

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Zizania texana</i>	Texas wild-rice	Endangered	US
<i>Ziziphus celata</i>	Florida ziziphus	Endangered	US
<i>Zosterops conspicillatus conspicillatus</i>	Bridled white-eye	Endangered	US
<i>Zosterops rotensis</i>	Rota bridled White-eye	Endangered	US
<i>Acipenser transmontanus</i>	White sturgeon	Endangered	US/Foreign
<i>Alasmidonta heterodon</i>	Dwarf wedgemussel	Endangered	US/Foreign
<i>Ambrosia pumila</i>	San Diego ambrosia	Endangered	US/Foreign
<i>Ambystoma tigrinum stebbinsi</i>	Sonora tiger Salamander	Endangered	US/Foreign
<i>Anaxyrus californicus</i>	Arroyo (=arroyo southwestern) toad	Endangered	US/Foreign
<i>Antilocapra americana sonoriensis</i>	Sonoran pronghorn	Endangered	US/Foreign
<i>Arctostaphylos glandulosa ssp. crassifolia</i>	Del Mar manzanita	Endangered	US/Foreign
<i>Assiminea pecos</i>	Pecos assiminea snail	Endangered	US/Foreign
<i>Astrophytum asterias</i>	Star cactus	Endangered	US/Foreign
<i>Ayenia limitaris</i>	Texas ayenia	Endangered	US/Foreign
<i>Brychius hungerfordi</i>	Hungerford's crawling water Beetle	Endangered	US/Foreign
<i>Calyptranthes thomasiana</i>	No common name	Endangered	US/Foreign
<i>Campephilus principalis</i>	Ivory-billed woodpecker	Endangered	US/Foreign
<i>Canis lupus baileyi</i>	Mexican wolf	Endangered	US/Foreign

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Caretta caretta</i>	Loggerhead sea turtle	Endangered	US/Foreign
<i>Charadrius melodus</i>	Piping Plover	Endangered	US/Foreign
<i>Chilabothrus granti</i>	Virgin Islands tree boa	Endangered	US/Foreign
<i>Colinus virginianus ridgwayi</i>	Masked bobwhite (quail)	Endangered	US/Foreign
<i>Cordylanthus maritimus ssp. maritimus</i>	Salt marsh bird's-beak	Endangered	US/Foreign
<i>Coryphantha scheeri var. robustispina</i>	Pima pineapple cactus	Endangered	US/Foreign
<i>Cyprinodon macularius</i>	Desert pupfish	Endangered	US/Foreign
<i>Dendroica chrysoparia</i>	Golden-cheeked warbler (=wood)	Endangered	US/Foreign
<i>Dermochelys coriacea</i>	Leatherback sea turtle	Endangered	US/Foreign
<i>Echinomastus erectocentrus var. acunensis</i>	Acuna Cactus	Endangered	US/Foreign
<i>Emballonura semicaudata rotensis</i>	Pacific sheath-tailed Bat	Endangered	US/Foreign
<i>Empidonax traillii extimus</i>	Southwestern willow flycatcher	Endangered	US/Foreign
<i>Epioblasma triquetra</i>	Snuffbox mussel	Endangered	US/Foreign
<i>Eretmochelys imbricata</i>	Hawksbill sea turtle	Endangered	US/Foreign
<i>Euphydryas editha quino (=E. e. wrighti)</i>	Quino checkerspot butterfly	Endangered	US/Foreign
<i>Falco femoralis septentrionalis</i>	Northern Aplomado Falcon	Endangered	US/Foreign

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Festuca ligulata</i>	Guadalupe fescue	Endangered	US/Foreign
<i>Fremontodendron mexicanum</i>	Mexican flannelbush	Endangered	US/Foreign
<i>Gila intermedia</i>	Gila chub	Endangered	US/Foreign
<i>Gila purpurea</i>	Yaqui chub	Endangered	US/Foreign
<i>Grus americana</i>	Whooping crane	Endangered	US/Foreign
<i>Gymnogyps californianus</i>	California condor	Endangered	US/Foreign
<i>Gymnomyza samoensis</i>	Mao (= maomao) (honeyeater)	Endangered	US/Foreign
<i>Herpailurus (=Felis) yagouaroundi cacomitli</i>	Gulf Coast jaguarundi	Endangered	US/Foreign
<i>Herpailurus (=Felis) yagouaroundi tolteca</i>	Sinaloan Jaguarundi	Endangered	US/Foreign
<i>Hybognathus amarus</i>	Rio Grande Silvery Minnow	Endangered	US/Foreign
<i>Juglans jamaicensis</i>	West Indian Walnut (=Nogal)	Endangered	US/Foreign
<i>Kinosternon sonoriense longifemorale</i>	Sonoyta mud turtle	Endangered	US/Foreign
<i>Leopardus (=Felis) pardalis</i>	Ocelot	Endangered	US/Foreign
<i>Leopardus (=Felis) wiedii</i>	Margay	Endangered	US/Foreign
<i>Lepidochelys kempii</i>	Kemp's ridley sea turtle	Endangered	US/Foreign
<i>Leptonycteris nivalis</i>	Mexican long-nosed bat	Endangered	US/Foreign

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Lilaeopsis schaffneriana</i> var. <i>recurva</i>	Huachuca water-umbel	Endangered	US/Foreign
<i>Lycaeides melissa samuelis</i>	Karner blue butterfly	Endangered	US/Foreign
<i>Manihot walkerae</i>	Walker's manioc	Endangered	US/Foreign
<i>Meda fulgida</i>	Spikedace	Endangered	US/Foreign
<i>Megapodius laperouse</i>	Micronesian megapode	Endangered	US/Foreign
<i>Mitracarpus polycladus</i>	No common name	Endangered	US/Foreign
<i>Monardella viminea</i>	Willowy monardella	Endangered	US/Foreign
<i>Mustela nigripes</i>	Black-footed ferret	Endangered	US/Foreign
<i>Numenius borealis</i>	Eskimo curlew	Endangered	US/Foreign
<i>Ovis canadensis nelsoni</i>	Peninsular bighorn sheep	Endangered	US/Foreign
<i>Panthera onca</i>	Jaguar	Endangered	US/Foreign
<i>Pedicularis furbishiae</i>	Furbish lousewort	Endangered	US/Foreign
<i>Phoebastria (=Diomedea) albatrus</i>	Short-tailed albatross	Endangered	US/Foreign
<i>Pilosocereus robinii</i>	Key tree cactus	Endangered	US/Foreign
<i>Pogogyne nudiuscula</i>	Otay mesa-mint	Endangered	US/Foreign
<i>Popenaias popeii</i>	Texas Hornshell	Endangered	US/Foreign

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Pterodroma cahow</i>	Bermuda petrel	Endangered	US/Foreign
<i>Rallus longirostris levipes</i>	Light-footed clapper rail	Endangered	US/Foreign
<i>Rallus obsoletus [=longirostris] yumanensis</i>	Yuma Ridgways (clapper) rail	Endangered	US/Foreign
<i>Rangifer tarandus caribou</i>	Woodland Caribou	Endangered	US/Foreign
<i>Rhynchopsitta pachyrhyncha</i>	Thick-billed parrot	Endangered	US/Foreign
<i>Rostrhamus sociabilis plumbeus</i>	Everglade snail kite	Endangered	US/Foreign
<i>Sterna antillarum browni</i>	California least tern	Endangered	US/Foreign
<i>Sterna dougallii dougallii</i>	Roseate tern	Endangered	US/Foreign
<i>Tiaroga cobitis</i>	Loach minnow	Endangered	US/Foreign
<i>Vermivora bachmanii</i>	Bachman's warbler (=wood)	Endangered	US/Foreign
<i>Villosa fabalis</i>	Rayed Bean	Endangered	US/Foreign
<i>Vireo bellii pusillus</i>	Least Bell's vireo	Endangered	US/Foreign
<i>Xyrauchen texanus</i>	Razorback sucker	Endangered	US/Foreign
<i>Athearnia anthonyi</i>	Anthony's riversnail	Experimental Population, Non-Essential	US
<i>Canis lupus baileyi</i>	Mexican wolf	Experimental Population, Non-Essential	US
<i>Canis rufus</i>	Red wolf	Experimental Population, Non-Essential	US

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Cyprogenia stegaria</i>	Fanshell	Experimental Population, Non-Essential	US
<i>Dromus dromas</i>	Dromedary pearlymussel	Experimental Population, Non-Essential	US
<i>Epioblasma brevidens</i>	Cumberlandian combshell	Experimental Population, Non-Essential	US
<i>Epioblasma capsaeformis</i>	Oyster mussel	Experimental Population, Non-Essential	US
<i>Epioblasma florentina florentina</i>	Yellow blossom (pearlymussel)	Experimental Population, Non-Essential	US
<i>Epioblasma obliquata obliquata</i>	Purple Cat's paw (=Purple Cat's paw pearlymussel)	Experimental Population, Non-Essential	US
<i>Epioblasma torulosa torulosa</i>	Tuberclad blossom (pearlymussel)	Experimental Population, Non-Essential	US
<i>Epioblasma turgidula</i>	Turgid blossom (pearlymussel)	Experimental Population, Non-Essential	US
<i>Erimonax monachus</i>	Spotfin Chub	Experimental Population, Non-Essential	US
<i>Erimystax cahni</i>	Slender chub	Experimental Population, Non-Essential	US
<i>Etheostoma percnurum</i>	Duskytail darter	Experimental Population, Non-Essential	US
<i>Etheostoma wapiti</i>	Boulder darter	Experimental Population, Non-Essential	US
<i>Fusconaia cor</i>	Shiny pigtoe	Experimental Population, Non-Essential	US
<i>Fusconaia cuneolus</i>	Finerayed pigtoe	Experimental Population, Non-Essential	US
<i>Grus americana</i>	Whooping crane	Experimental Population, Non-Essential	US
<i>Gymnogyps californianus</i>	California condor	Experimental Population, Non-Essential	US

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Hemistena lata</i>	Cracking pearlymussel	Experimental Population, Non-Essential	US
<i>Hybognathus amarus</i>	Rio Grande Silvery Minnow	Experimental Population, Non-Essential	US
<i>Lampsilis virescens</i>	Alabama lampmussel	Experimental Population, Non-Essential	US
<i>Lemiox rimosus</i>	Birdwing pearlymussel	Experimental Population, Non-Essential	US
<i>Nicrophorus americanus</i>	American burying beetle	Experimental Population, Non-Essential	US
<i>Notropis topeka (=tristis)</i>	Topeka shiner	Experimental Population, Non-Essential	US
<i>Noturus baileyi</i>	Smoky madtom	Experimental Population, Non-Essential	US
<i>Noturus flavipinnis</i>	Yellowfin madtom	Experimental Population, Non-Essential	US
<i>Noturus stanauli</i>	Pygmy madtom	Experimental Population, Non-Essential	US
<i>Obovaria retusa</i>	Ring pink (mussel)	Experimental Population, Non-Essential	US
<i>Plagopterus argentissimus</i>	Woundfin	Experimental Population, Non-Essential	US
<i>Plethobasus cicatricosus</i>	White wartyback (pearlymussel)	Experimental Population, Non-Essential	US
<i>Plethobasus cooperianus</i>	Orangefoot pimpleback (pearlymussel)	Experimental Population, Non-Essential	US
<i>Pleurobema clava</i>	Clubshell	Experimental Population, Non-Essential	US
<i>Pleurobema plenum</i>	Rough pigtoe	Experimental Population, Non-Essential	US
<i>Ptychocheilus lucius</i>	Colorado pikeminnow (=squawfish)	Experimental Population, Non-Essential	US

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Quadrula fragosa</i>	Winged Mapleleaf	Experimental Population, Non-Essential	US
<i>Quadrula intermedia</i>	Cumberland monkeyface (pearlymussel)	Experimental Population, Non-Essential	US
<i>Quadrula sparsa</i>	Appalachian monkeyface (pearlymussel)	Experimental Population, Non-Essential	US
<i>Rallus owstoni</i>	Guam rail	Experimental Population, Non-Essential	US
<i>Salvelinus confluentus</i>	Bull Trout	Experimental Population, Non-Essential	US
<i>Speyeria zerene hippolyta</i>	Oregon silverspot butterfly	Experimental Population, Non-Essential	US
<i>Villosa trabalis</i>	Cumberland bean (pearlymussel)	Experimental Population, Non-Essential	US
<i>Antilocapra americana sonoriensis</i>	Sonoran pronghorn	Experimental Population, Non-Essential	US/Foreig n
<i>Falco femoralis septentrionalis</i>	Northern Aplomado Falcon	Experimental Population, Non-Essential	US/Foreig n
<i>Grus americana</i>	Whooping crane	Experimental Population, Non-Essential	US/Foreig n
<i>Mustela nigripes</i>	Black-footed ferret	Experimental Population, Non-Essential	US/Foreig n
<i>Bombus franklini</i>	Franklin's bumblebee	Proposed Endangered	US
<i>Cryptobranchus alleganiensis alleganiensis</i>	Eastern Hellbender Missouri DPS	Proposed Endangered	US
<i>Noturus furiosus</i>	Carolina madtom	Proposed Endangered	US
<i>Pleurobema athearni</i>	Canoe Creek Clubshell	Proposed Endangered	US
<i>Solanum conocarpum</i>	Marron bacora	Proposed Endangered	US
<i>Vulpes vulpes necator</i>	Sierra Nevada red fox	Proposed Endangered	US
<i>Pectis imberbis</i>	Beardless chinch weed	Proposed Endangered	US/Foreig n
<i>Gymnogyps californianus</i>	California condor	Proposed Experimental Population, Non-Essential	US

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Astragalus schmolliae</i>	Chapin Mesa milkvetch	Proposed Threatened	US
<i>Atlantea tulita</i>	Puerto Rico harlequin butterfly	Proposed Threatened	US
<i>Cambarus cracens</i>	Slenderclaw crayfish	Proposed Threatened	US
<i>Faxonius peruncus</i>	Big Creek Crayfish	Proposed Threatened	US
<i>Faxonius quadruncus</i>	St. Francis River Crayfish	Proposed Threatened	US
<i>Fusconaia masoni</i>	Atlantic pigtoe	Proposed Threatened	US
<i>Fusconaia subrotunda</i>	Longsolid	Proposed Threatened	US
<i>Necturus lewisi</i>	Neuse River waterdog	Proposed Threatened	US
<i>Obovaria subrotunda</i>	Round hickorynut	Proposed Threatened	US
<i>Percina williamsi</i>	Sickle darter	Proposed Threatened	US
<i>Procambarus econfinae</i>	Panama City crayfish	Proposed Threatened	US
<i>Pterodroma hasitata</i>	Black-capped petrel	Proposed Threatened	US
<i>Graptopetalum bartramii</i>	Bartram stonecrop	Proposed Threatened	US/Foreign
<i>Lycaena hermes</i>	Hermes copper butterfly	Proposed Threatened	US/Foreign
<i>Acipenser oxyrinchus (=oxyrhynchus) desotoi</i>	Atlantic sturgeon (Gulf subspecies)	Threatened	US
<i>Acmispon dendroideus var. traskiae (=Lotus d. ssp. traskiae)</i>	San Clemente Island lotus (=broom)	Threatened	US
<i>Aconitum noveboracense</i>	Northern wild monkshood	Threatened	US
<i>Aeschynomene virginica</i>	Sensitive joint-vetch	Threatened	US
<i>Amaranthus pumilus</i>	Seabeach amaranth	Threatened	US
<i>Amblyopsis rosae</i>	Ozark cavefish	Threatened	US
<i>Ambrysus amargosus</i>	Ash Meadows naucorid	Threatened	US
<i>Ambystoma californiense</i>	California tiger Salamander	Threatened	US
<i>Ambystoma cingulatum</i>	Frosted Flatwoods salamander	Threatened	US
<i>Amphianthus pusillus</i>	Little amphianthus	Threatened	US
<i>Amphispiza belli clementeae</i>	San Clemente sage sparrow	Threatened	US
<i>Anaxyrus canorus</i>	Yosemite toad	Threatened	US
<i>Anguispira picta</i>	Painted snake coiled forest snail	Threatened	US
<i>Antrolana lira</i>	Madison Cave isopod	Threatened	US
<i>Aphelocoma coerulescens</i>	Florida scrub-jay	Threatened	US

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Apios priceana</i>	Prices potato-bean	Threatened	US
<i>Arabis georgiana</i>	Georgia rockcress	Threatened	US
<i>Arctostaphylos morroensis</i>	Morro manzanita	Threatened	US
<i>Arctostaphylos myrtifolia</i>	lone manzanita	Threatened	US
<i>Arctostaphylos pallida</i>	Pallid manzanita	Threatened	US
<i>Arenaria ursina</i>	Bear Valley sandwort	Threatened	US
<i>Argyroxiphium sandwicense ssp. macrocephalum</i>	`Ahinahina	Threatened	US
<i>Argythamnia blodgettii</i>	Blodgett's silverbush	Threatened	US
<i>Asclepias meadii</i>	Mead's milkweed	Threatened	US
<i>Asclepias welshii</i>	Welsh's milkweed	Threatened	US
<i>Astragalus lentiginosus var. piscinensis</i>	Fish Slough milk-vetch	Threatened	US
<i>Astragalus magdalenae var. peirsonii</i>	Peirson's milk-vetch	Threatened	US
<i>Astragalus montii</i>	Heliotrope milk-vetch	Threatened	US
<i>Astragalus phoenix</i>	Ash meadows milk-vetch	Threatened	US
<i>Baccharis vanessae</i>	Encinitas baccharis	Threatened	US
<i>Betula uber</i>	Virginia round-leaf birch	Threatened	US
<i>Boltonia decurrens</i>	Decurrent false aster	Threatened	US
<i>Bonamia grandiflora</i>	Florida bonamia	Threatened	US
<i>Brachyramphus marmoratus</i>	Marbled murrelet	Threatened	US
<i>Branchinecta lynchi</i>	Vernal pool fairy shrimp	Threatened	US
<i>Branta (=Nesochen) sandvicensis</i>	Hawaiian goose	Threatened	US
<i>Brodiaea filifolia</i>	Thread-leaved brodiaea	Threatened	US
<i>Brodiaea pallida</i>	Chinese Camp brodiaea	Threatened	US
<i>Bulbophyllum guamense</i>	Cebello halumtano	Threatened	US
<i>Calochortus tiburonensis</i>	Tiburon mariposa lily	Threatened	US
<i>Calyptridium pulchellum</i>	Mariposa pussypaws	Threatened	US
<i>Calyptronoma rivalis</i>	Palma de manaca	Threatened	US
<i>Cambarus callainus</i>	Big Sandy crayfish	Threatened	US
<i>Camissonia benitensis</i>	San Benito evening-primrose	Threatened	US
<i>Carex specuicola</i>	Navajo sedge	Threatened	US
<i>Castilleja campestris ssp. succulenta</i>	Fleshy owl's-clover	Threatened	US
<i>Castilleja cinerea</i>	Ash-grey paintbrush	Threatened	US

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<i>Castilleja grisea</i>	San Clemente Island Paintbrush	Threatened	US
<i>Catostomus santaanae</i>	Santa Ana sucker	Threatened	US
<i>Catostomus warnerensis</i>	Warner sucker	Threatened	US
<i>Ceanothus ophiochilus</i>	Vail Lake ceanothus	Threatened	US
<i>Centaurium namophilum</i>	Spring-loving centaury	Threatened	US
<i>Centrocercus minimus</i>	Gunnison sage-grouse	Threatened	US
<i>Chamaesyce deltoidea pinetorum</i>	Pineland sandmat	Threatened	US
<i>Chamaesyce garberi</i>	Garber's spurge	Threatened	US
<i>Chamaesyce hooveri</i>	Hoover's spurge	Threatened	US
<i>Chelonia mydas</i>	Green sea turtle	Threatened	US
<i>Chlorogalum purpureum</i>	Purple amole	Threatened	US
<i>Chorizanthe pungens var. pungens</i>	Monterey spineflower	Threatened	US
<i>Cicindela dorsalis dorsalis</i>	Northeastern beach tiger beetle	Threatened	US
<i>Cicindela puritana</i>	Puritan tiger beetle	Threatened	US
<i>Cirsium vinaceum</i>	Sacramento Mountains thistle	Threatened	US
<i>Clarkia springvillensis</i>	Springville clarkia	Threatened	US
<i>Clemmys muhlenbergii</i>	bog turtle	Threatened	US
<i>Clitoria fragrans</i>	Pigeon wings	Threatened	US
<i>Conradina verticillata</i>	Cumberland rosemary	Threatened	US
<i>Coryphantha sneedii var. leei</i>	Lee pincushion cactus	Threatened	US
<i>Cottus paulus (=pygmaeus)</i>	Pygmy Sculpin	Threatened	US
<i>Crenichthys nevadae</i>	Railroad Valley springfish	Threatened	US
<i>Cupressus abramsiana</i>	Santa Cruz cypress	Threatened	US
<i>Cupressus goveniana ssp. goveniana</i>	Gowen cypress	Threatened	US
<i>Cyanea recta</i>	Haha	Threatened	US
<i>Cycas micronesica</i>	Fadang	Threatened	US
<i>Cycladenia humilis var. jonesii</i>	Jones Cycladenia	Threatened	US
<i>Cyclura stejnegeri</i>	Mona ground Iguana	Threatened	US
<i>Cynomys parvidens</i>	Utah prairie dog	Threatened	US
<i>Cyprinella caerulea</i>	Blue shiner	Threatened	US
<i>Cyrtandra limahuliensis</i>	Ha`iwale	Threatened	US
<i>Dendrobium guamense</i>	No common name	Threatened	US
<i>Desmocercus californicus dimorphus</i>	Valley elderberry longhorn beetle	Threatened	US

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<i>Digitaria pauciflora</i>	Florida pineland crabgrass	Threatened	US
<i>Drepanis coccinea</i>	`I'iwi	Threatened	US
<i>Drosophila mulli</i>	Hawaiian picture-wing fly	Threatened	US
<i>Drymarchon corais couperi</i>	Eastern indigo snake	Threatened	US
<i>Dudleya abramsii ssp. parva</i>	Conejo dudleya	Threatened	US
<i>Dudleya cymosa ssp. marcescens</i>	Marcescent dudleya	Threatened	US
<i>Dudleya cymosa ssp. ovatifolia</i>	Santa Monica Mountains dudleyea	Threatened	US
<i>Dudleya nesiotica</i>	Santa Cruz Island dudleya	Threatened	US
<i>Dudleya stolonifera</i>	Laguna Beach liveforever	Threatened	US
<i>Dudleya verityi</i>	Verity's dudleya	Threatened	US
<i>Echinocereus chisoensis var. chisoensis</i>	Chisos Mountain hedgehog Cactus	Threatened	US
<i>Echinocereus fendleri var. kuenzleri</i>	Kuenzler hedgehog cactus	Threatened	US
<i>Elaphrus viridis</i>	Delta green ground beetle	Threatened	US
<i>Elassoma alabamiae</i>	Spring pygmy sunfish	Threatened	US
<i>Eleutherodactylus cooki</i>	Guajon	Threatened	US
<i>Eleutherodactylus jasperi</i>	Golden coqui	Threatened	US
<i>Elimia crenatella</i>	Lacy elimia (snail)	Threatened	US
<i>Elliptio chipolaensis</i>	Chipola slabshell	Threatened	US
<i>Elliptio lanceolata</i>	Yellow lance	Threatened	US
<i>Elliptoideus sloatianus</i>	Purple bankclimber (mussel)	Threatened	US
<i>Enceliopsis nudicaulis var. corrugata</i>	Ash Meadows sunray	Threatened	US
<i>Enhydra lutris kenyonii</i>	Northern Sea Otter	Threatened	US
<i>Epicrates monensis monensis</i>	Mona boa	Threatened	US
<i>Eremichthys acros</i>	Desert dace	Threatened	US
<i>Eremophila alpestris strigata</i>	Streaked Horned lark	Threatened	US
<i>Erigeron parishii</i>	Parish's daisy	Threatened	US
<i>Erigeron rhizomatus</i>	Zuni fleabane	Threatened	US
<i>Erimonax monachus</i>	Spotfin Chub	Threatened	US
<i>Erimystax cahni</i>	Slender chub	Threatened	US
<i>Erinna newcombi</i>	Newcomb's snail	Threatened	US
<i>Eriogonum codium</i>	Umtanum Desert buckwheat	Threatened	US
<i>Eriogonum gypsophilum</i>	Gypsum wild-buckwheat	Threatened	US

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<i>Eriogonum kennedyi</i> var. <i>austromontanum</i>	Southern mountain wild-buckwheat	Threatened	US
<i>Eriogonum longifolium</i> var. <i>gnaphalifolium</i>	Scrub buckwheat	Threatened	US
<i>Etheostoma boschungii</i>	Slackwater darter	Threatened	US
<i>Etheostoma nianguae</i>	Niangua darter	Threatened	US
<i>Etheostoma okaloosae</i>	Okaloosa darter	Threatened	US
<i>Etheostoma rubrum</i>	Bayou darter	Threatened	US
<i>Etheostoma scotti</i>	Cherokee darter	Threatened	US
<i>Etheostoma spilotum</i>	Kentucky arrow darter	Threatened	US
<i>Etheostoma trisella</i>	Trispot darter	Threatened	US
<i>Eumeces egregius lividus</i>	Bluetail mole skink	Threatened	US
<i>Euphorbia telephioides</i>	Telephus spurge	Threatened	US
<i>Euphydryas editha bayensis</i>	Bay checkerspot butterfly	Threatened	US
<i>Euproserpinus euterpe</i>	Kern primrose sphinx moth	Threatened	US
<i>Eurycea chisholmensis</i>	Salado Salamander	Threatened	US
<i>Eurycea nana</i>	San Marcos salamander	Threatened	US
<i>Eurycea naufragia</i>	Georgetown Salamander	Threatened	US
<i>Eurycea tonkawae</i>	Jollyville Plateau Salamander	Threatened	US
<i>Eutrema penlandii</i>	Penland alpine fen mustard	Threatened	US
<i>Fusconaia burkei</i>	Tapered pigtoe	Threatened	US
<i>Fusconaia escambia</i>	Narrow pigtoe	Threatened	US
<i>Geocarpon minimum</i>	No common name	Threatened	US
<i>Gesneria pauciflora</i>	No common name	Threatened	US
<i>Gila bicolor</i> ssp.	Hutton tui chub	Threatened	US
<i>Gopherus polyphemus</i>	Gopher tortoise	Threatened	US
<i>Graptemys flavimaculata</i>	Yellow-blotched map turtle	Threatened	US
<i>Graptemys oculifera</i>	Ringed map turtle	Threatened	US
<i>Grindelia fraxinipratensis</i>	Ash Meadows gumplant	Threatened	US
<i>Hamiota australis</i>	Southern sandshell	Threatened	US
<i>Harrisia portoricensis</i>	Higo Chumbo	Threatened	US
<i>Helenium virginicum</i>	Virginia sneezeweed	Threatened	US
<i>Helianthemum greenei</i>	Island rush-rose	Threatened	US

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<i>Helianthus paradoxus</i>	Pecos (=puzzle, =paradox) sunflower	Threatened	US
<i>Helonias bullata</i>	Swamp pink	Threatened	US
<i>Hesperia leonardus montana</i>	Pawnee montane skipper	Threatened	US
<i>Hesperolinon congestum</i>	Marin dwarf-flax	Threatened	US
<i>Hexastylis naniflora</i>	Dwarf-flowered heartleaf	Threatened	US
<i>Hibiscus dasycalyx</i>	Neches River rose-mallow	Threatened	US
<i>Holocarpha macradenia</i>	Santa Cruz tarplant	Threatened	US
<i>Howellia aquatilis</i>	Water howellia	Threatened	US
<i>Hudsonia montana</i>	Mountain golden heather	Threatened	US
<i>Hypomesus transpacificus</i>	Delta smelt	Threatened	US
<i>Isodendrion longifolium</i>	Aupaka	Threatened	US
<i>Ivesia kingii</i> var. <i>eremica</i>	Ash Meadows ivesia	Threatened	US
<i>Ivesia webberi</i>	Webber's ivesia	Threatened	US
<i>Lampsilis altilis</i>	Finelined pocketbook	Threatened	US
<i>Lampsilis perovalis</i>	Orangenacre mucket	Threatened	US
<i>Lampsilis powellii</i>	Arkansas fatmucket	Threatened	US
<i>Laterallus jamaicensis</i> ssp. <i>jamaicensis</i>	Eastern Black rail	Threatened	US
<i>Leavenworthia exigua laciniata</i>	Kentucky glade cress	Threatened	US
<i>Lednia tumana</i>	Meltwater lednian stonefly	Threatened	US
<i>Lepidium papilliferum</i>	Slickspot peppergrass	Threatened	US
<i>Lepidomeda mollispinis pratensis</i>	Big Spring spinedace	Threatened	US
<i>Lepidomeda vittata</i>	Little Colorado spinedace	Threatened	US
<i>Leptoxis ampla</i>	Round rocksnail	Threatened	US
<i>Leptoxis taeniata</i>	Painted rocksnail	Threatened	US
<i>Lespedeza leptostachya</i>	Prairie bush-clover	Threatened	US
<i>Lesquerella congesta</i>	Dudley Bluffs bladderpod	Threatened	US
<i>Lesquerella lyrata</i>	Lyrate bladderpod	Threatened	US
<i>Liatris helleri</i>	Heller's blazingstar	Threatened	US
<i>Lupinus sulphureus</i> ssp. <i>kincaidii</i>	Kincaid's Lupine	Threatened	US
<i>Lynx canadensis</i>	Canada Lynx	Threatened	US
<i>Macbridea alba</i>	White birds-in-a-nest	Threatened	US
<i>Maesa walkeri</i>	No common name	Threatened	US
<i>Margaritifera hembeli</i>	Louisiana pearlshell	Threatened	US

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<i>Marshallia mohrii</i>	Mohr's Barbara's buttons	Threatened	US
	Pacific Marten, Coastal Distinct Population Segment	Threatened	US
<i>Martes caurina</i>		Threatened	US
<i>Masticophis lateralis euryxanthus</i>	Alameda whipsnake (=striped racer)	Threatened	US
<i>Medionidus acutissimus</i>	Alabama moccasinshell	Threatened	US
<i>Medionidus walkeri</i>	Suwannee moccasinshell	Threatened	US
<i>Menidia extensa</i>	Waccamaw silverside	Threatened	US
<i>Mentzelia leucophylla</i>	Ash Meadows blazingstar	Threatened	US
<i>Mesodon clarki nantahala</i>	noonday snail	Threatened	US
<i>Mirabilis macfarlanei</i>	MacFarlane's four-o'clock	Threatened	US
<i>Mycteria americana</i>	Wood stork	Threatened	US
<i>Myrsine linearifolia</i>	Kolea	Threatened	US
<i>Neoseps reynoldsi</i>	Sand skink	Threatened	US
<i>Neostapfia colusana</i>	Colusa grass	Threatened	US
<i>Nerodia clarkii taeniata</i>	Atlantic salt marsh snake	Threatened	US
<i>Nerodia erythrogaster neglecta</i>	Copperbelly water snake	Threatened	US
<i>Nervilia jacksoniae</i>	No common name	Threatened	US
<i>Notropis girardi</i>	Arkansas River shiner	Threatened	US
<i>Notropis simus pecosensis</i>	Pecos bluntnose shiner	Threatened	US
<i>Noturus flavipinnis</i>	Yellowfin madtom	Threatened	US
<i>Noturus placidus</i>	Neosho madtom	Threatened	US
<i>Odocoileus virginianus leucurus</i>	Columbian white-tailed deer	Threatened	US
<i>Oncorhynchus aguabonita whitei</i>	Little Kern golden trout	Threatened	US
<i>Oncorhynchus apache</i>	Apache trout	Threatened	US
<i>Oncorhynchus clarkii henshawi</i>	Lahontan cutthroat trout	Threatened	US
<i>Oncorhynchus clarkii seleniris</i>	Paiute cutthroat trout	Threatened	US
<i>Oncorhynchus clarkii stomias</i>	Greenback Cutthroat trout	Threatened	US
<i>Oncorhynchus gilae</i>	Gila trout	Threatened	US
<i>Orcuttia inaequalis</i>	San Joaquin Orcutt grass	Threatened	US
<i>Orcuttia tenuis</i>	Slender Orcutt grass	Threatened	US
<i>Orthalicus reses (not incl. nesodryas)</i>	Stock Island tree snail	Threatened	US
<i>Oxytropis campestris var. chartacea</i>	Fassett's locoweed	Threatened	US
<i>Packera franciscana</i>	San Francisco Peaks ragwort	Threatened	US

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<i>Palaemonetes cummingsi</i>	Squirrel Chimney Cave shrimp	Threatened	US
<i>Paronychia chartacea</i>	Papery whitlow-wort	Threatened	US
<i>Pediocactus (=Echinocactus,=Utahia) sileri</i>	Siler pincushion cactus	Threatened	US
<i>Pediocactus winkleri</i>	Winkler cactus	Threatened	US
<i>Penstemon debilis</i>	Parachute beardtongue	Threatened	US
<i>Percina aurolineata</i>	Goldline darter	Threatened	US
<i>Percina aurora</i>	Pearl darter	Threatened	US
<i>Percina pantherina</i>	Leopard darter	Threatened	US
<i>Percina tanasi</i>	Snail darter	Threatened	US
<i>Peromyscus polionotus niveiventris</i>	Southeastern beach mouse	Threatened	US
<i>Peucedanum sandwicense</i>	Makou	Threatened	US
<i>Phacelia submutica</i>	DeBeque phacelia	Threatened	US
<i>Phaeognathus hubrichti</i>	Red Hills salamander	Threatened	US
<i>Phoxinus cumberlandensis</i>	Blackside dace	Threatened	US
<i>Physaria douglasii ssp. tuplashensis</i>	White Bluffs bladderpod	Threatened	US
<i>Physaria filiformis</i>	Missouri bladderpod	Threatened	US
<i>Physaria obcordata</i>	Dudley Bluffs twinpod	Threatened	US
<i>Pinguicula ionantha</i>	Godfrey's butterwort	Threatened	US
<i>Pipilo crissalis eremophilus</i>	Inyo California towhee	Threatened	US
<i>Pituophis melanoleucus lodingi</i>	Black pine snake	Threatened	US
<i>Pituophis ruthveni</i>	Louisiana pinesnake	Threatened	US
<i>Platanthera integrilabia</i>	White fringeless orchid	Threatened	US
<i>Plethodon nettingi</i>	Cheat Mountain salamander	Threatened	US
<i>Pleurobema strodeanum</i>	Fuzzy pigtoe	Threatened	US
<i>Polyborus plancus audubonii</i>	Audubon's crested caracara	Threatened	US
<i>Polysticta stelleri</i>	Steller's Eider	Threatened	US
<i>Potamilus inflatus</i>	Inflated heelsplitter	Threatened	US
<i>Primula maguirei</i>	Maguire primrose	Threatened	US
<i>Pseudobahia peirsonii</i>	San Joaquin adobe sunburst	Threatened	US
<i>Pteropus mariannus mariannus</i>	Mariana fruit Bat (=Mariana flying fox)	Threatened	US
<i>Puffinus auricularis newelli</i>	Newell's Townsend's shearwater	Threatened	US
<i>Pyrgulopsis bernardina</i>	San Bernardino springsnail	Threatened	US

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Quadrula cylindrica cylindrica</i>	Rabbitsfoot	Threatened	US
<i>Quercus hinckleyi</i>	Hinckley oak	Threatened	US
<i>Rana pretiosa</i>	Oregon spotted frog	Threatened	US
<i>Rhodiola integrifolia ssp. leedyi</i>	Leedy's roseroot	Threatened	US
<i>Rhynchospora knieskernii</i>	Knieskern's Beaked-rush	Threatened	US
<i>Ribes echinellum</i>	Miccosukee gooseberry	Threatened	US
<i>Sagittaria secundifolia</i>	Kral's water-plantain	Threatened	US
<i>Salvelinus confluentus</i>	Bull Trout	Threatened	US
<i>Schiedea spergulina var. spergulina</i>	No common name	Threatened	US
<i>Schoenocrambe argillacea</i>	Clay reed-mustard	Threatened	US
<i>Schoepfia arenaria</i>	No common name	Threatened	US
<i>Sclerocactus brevihamatus ssp. tobuschii</i>	Tobusch fishhook cactus	Threatened	US
<i>Sclerocactus brevispinus</i>	Pariette cactus	Threatened	US
<i>Sclerocactus glaucus</i>	Colorado hookless Cactus	Threatened	US
<i>Sclerocactus mesae-verdae</i>	Mesa Verde cactus	Threatened	US
<i>Sclerocactus wetlandicus</i>	Uinta Basin hookless cactus	Threatened	US
<i>Scutellaria floridana</i>	Florida skullcap	Threatened	US
<i>Scutellaria montana</i>	Large-flowered skullcap	Threatened	US
<i>Senecio layneae</i>	Layne's butterweed	Threatened	US
<i>Setophaga angelae</i>	Elfin-woods warbler	Threatened	US
<i>Sidalcea nelsoniana</i>	Nelson's checker-mallow	Threatened	US
<i>Sideroxylon reclinatum ssp. austrofloridense</i>	Everglades bully	Threatened	US
<i>Silene hawaiiensis</i>	No common name	Threatened	US
<i>Silene spaldingii</i>	Spalding's Catchfly	Threatened	US
<i>Solidago spithamaea</i>	Blue Ridge goldenrod	Threatened	US
<i>Speyeria zerene hippolyta</i>	Oregon silverspot butterfly	Threatened	US
<i>Spiraea virginiana</i>	Virginia spiraea	Threatened	US
<i>Spiranthes diluvialis</i>	Ute ladies'-tresses	Threatened	US
<i>Sternotherus depressus</i>	Flattened musk turtle	Threatened	US
<i>Succinea chittenangoensis</i>	Chittenango ovate amber snail	Threatened	US
<i>Swallenia alexandrae</i>	Eureka Dune grass	Threatened	US

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Tabernaemontana rotensis</i>	No common name	Threatened	US
<i>Taylorconcha serpenticola</i>	Bliss Rapids snail	Threatened	US
<i>Tetramolopium rockii</i>	No common name	Threatened	US
<i>Thamnophis gigas</i>	Giant garter snake	Threatened	US
<i>Thelypodium howellii ssp. spectabilis</i>	Howell's spectacular thelypody	Threatened	US
<i>Thelypteris pilosa var. alabamensis</i>	Alabama streak-sorus fern	Threatened	US
<i>Thomomys mazama glacialis</i>	Roy Prairie pocket gopher	Threatened	US
<i>Thomomys mazama pugetensis</i>	Olympia pocket gopher	Threatened	US
<i>Thomomys mazama tumuli</i>	Tenino pocket gopher	Threatened	US
<i>Thomomys mazama yelmensis</i>	Yelm pocket gopher	Threatened	US
<i>Townsendia aprica</i>	Last Chance townsendia	Threatened	US
<i>Triodopsis platysayoides</i>	Flat-spined three-toothed Snail	Threatened	US
<i>Tuberolabium guamense</i>	No common name	Threatened	US
<i>Tulotoma magnifica</i>	Tulotoma snail	Threatened	US
<i>Uma inornata</i>	Coachella Valley fringe-toed lizard	Threatened	US
<i>Urocitellus brunneus</i>	Northern Idaho Ground Squirrel	Threatened	US
<i>Urocyon littoralis catalinae</i>	Santa Catalina Island Fox	Threatened	US
<i>Ursus arctos horribilis</i>	Grizzly bear	Threatened	US
<i>Verbena californica</i>	Red Hills vervain	Threatened	US
<i>Yermo xanthocephalus</i>	Desert yellowhead	Threatened	US
<i>Zapada glacier</i>	Western glacier stonefly	Threatened	US
<i>Zapus hudsonius preblei</i>	Preble's meadow jumping mouse	Threatened	US
<i>Acanthomintha ilicifolia</i>	San Diego thornmint	Threatened	US/Foreign
<i>Asplenium scolopendrium var. americanum</i>	American hart's-tongue fern	Threatened	US/Foreign
<i>Bison bison athabascaae</i>	Wood Bison	Threatened	US/Foreign
<i>Calidris canutus rufa</i>	Red knot	Threatened	US/Foreign
<i>Caretta caretta</i>	Loggerhead sea turtle	Threatened	US/Foreign

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Castilleja levisecta</i>	golden paintbrush	Threatened	US/Foreign
<i>Charadrius melodus</i>	Piping Plover	Threatened	US/Foreign
<i>Charadrius nivosus nivosus</i>	Western snowy plover	Threatened	US/Foreign
<i>Cirsium pitcheri</i>	Pitcher's thistle	Threatened	US/Foreign
<i>Coccyzus americanus</i>	Yellow-billed Cuckoo	Threatened	US/Foreign
<i>Coryphantha ramillosa</i>	Bunched cory cactus	Threatened	US/Foreign
<i>Coryphantha robbinsorum</i>	Cochise pincushion cactus	Threatened	US/Foreign
<i>Crocodylus acutus</i>	American crocodile	Threatened	US/Foreign
<i>Crotalus willardi obscurus</i>	New Mexican ridge-nosed rattlesnake	Threatened	US/Foreign
<i>Cyprinella formosa</i>	Beautiful shiner	Threatened	US/Foreign
<i>Deinandra (=Hemizonia) conjugens</i>	Otay tarplant	Threatened	US/Foreign
<i>Dionda diaboli</i>	Devils River minnow	Threatened	US/Foreign
<i>Echinomastus mariposensis</i>	Lloyd's Mariposa cactus	Threatened	US/Foreign
<i>Enhydra lutris nereis</i>	Southern sea otter	Threatened	US/Foreign
<i>Gila ditaenia</i>	Sonora chub	Threatened	US/Foreign
<i>Gila nigrescens</i>	Chihuahua chub	Threatened	US/Foreign

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Gopherus agassizii</i>	Desert tortoise	Threatened	US/Foreign
<i>Hesperia dacotae</i>	Dakota Skipper	Threatened	US/Foreign
<i>Hymenoxys herbacea</i>	Lakeside daisy	Threatened	US/Foreign
<i>Ictalurus pricei</i>	Yaqui catfish	Threatened	US/Foreign
<i>Iris lacustris</i>	Dwarf lake iris	Threatened	US/Foreign
<i>Isotria medeoloides</i>	Small whorled pogonia	Threatened	US/Foreign
<i>Lepidochelys olivacea</i>	Olive ridley sea turtle	Threatened	US/Foreign
<i>Myotis septentrionalis</i>	Northern Long-Eared Bat	Threatened	US/Foreign
<i>Navarretia fossalis</i>	Spreading navarretia	Threatened	US/Foreign
<i>Nicrophorus americanus</i>	American burying beetle	Threatened	US/Foreign
<i>Peltophryne lemur</i>	Puerto Rican crested toad	Threatened	US/Foreign
<i>Platanthera leucophaea</i>	Eastern prairie fringed orchid	Threatened	US/Foreign
<i>Platanthera praeclara</i>	Western prairie fringed Orchid	Threatened	US/Foreign
<i>Polioptila californica californica</i>	Coastal California gnatcatcher	Threatened	US/Foreign
<i>Rana chiricahuensis</i>	Chiricahua leopard frog	Threatened	US/Foreign
<i>Rana draytonii</i>	California red-legged frog	Threatened	US/Foreign

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<b>Scientific Name</b>	<b>Common Name</b>	<b>Status</b>	<b>Location</b>
<i>Sistrurus catenatus</i>	Eastern Massasauga (=rattlesnake)	Threatened	US/Foreign
<i>Solidago houghtonii</i>	Houghton's goldenrod	Threatened	US/Foreign
<i>Somateria fischeri</i>	Spectacled eider	Threatened	US/Foreign
<i>Stahlia monosperma</i>	Cobana negra	Threatened	US/Foreign
<i>Sterna dougallii dougallii</i>	Roseate tern	Threatened	US/Foreign
<i>Strix occidentalis caurina</i>	Northern spotted owl	Threatened	US/Foreign
<i>Strix occidentalis lucida</i>	Mexican spotted owl	Threatened	US/Foreign
<i>Thamnophis eques megalops</i>	Northern Mexican gartersnake	Threatened	US/Foreign
<i>Thamnophis rufipunctatus</i>	Narrow-headed gartersnake	Threatened	US/Foreign
<i>Trichechus manatus</i>	West Indian Manatee	Threatened	US/Foreign
<i>Ursus maritimus</i>	Polar bear	Threatened	US/Foreign
<i>Varronia rupicola</i>	No common name	Threatened	US/Foreign
<i>Verbesina dissita</i>	Big-leaved crownbeard	Threatened	US/Foreign

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<b>Scientific Name</b>	<b>Common Name</b>	<b>ESA Listing Status</b>	<b>Critical Habitat Type</b>
<i>Abutilon eremitopetalum</i>	No common name	Endangered	Final
<i>Abutilon sandwicense</i>	No common name	Endangered	Final
<i>Acaena exigua</i>	Liliwai	Endangered	Final
<i>Acanthomintha ilicifolia</i>	Thornmint, San Diego	Threatened	Final
<i>Achyranthes mutica</i>	No common name	Endangered	Final
<i>Achyranthes splendens var. rotundata</i>	Chaff-flower, round-leaved	Endangered	Final
<i>Acipenser oxyrinchus (=oxyrhynchus) desotoi</i>	Sturgeon (Gulf subspecies), Atlantic	Threatened	Final
<i>Acipenser transmontanus</i>	Sturgeon, white	Endangered	Final
<i>Adelocosa anops</i>	Spider, Kauai cave wolf or pe'e pe'e maka 'ole	Endangered	Final
<i>Adenophorus periens</i>	Fern, pendant kihi	Endangered	Final
<i>Agave eggersiana</i>	No common name	Endangered	Final
<i>Agelaius xanthomus</i>	Blackbird, yellow-shouldered	Endangered	Final
<i>Alasmidonta atropurpurea</i>	Elktoe, Cumberland	Endangered	Final
<i>Alasmidonta raveneliana</i>	Elktoe, Appalachian	Endangered	Final
<i>Alectryon macrococcus</i>	Mahoe	Endangered	Final
<i>Allium munzii</i>	Onion, Munz's	Endangered	Final
<i>Amaranthus brownii</i>	No common name	Endangered	Final
<i>Amblema neislerii</i>	Threeridge, fat (mussel)	Endangered	Final
<i>Ambrosia pumila</i>	Ambrosia, San Diego	Endangered	Final
<i>Ambrysus amargosus</i>	Naucorid, Ash Meadows	Threatened	Final
<i>Ambystoma bishopi</i>	salamander, Reticulated flatwoods	Endangered	Final
<i>Ambystoma californiense</i>	Salamander, California tiger	Endangered	Final
<i>Ambystoma californiense</i>	Salamander, California tiger	Endangered	Final
<i>Ambystoma californiense</i>	Salamander, California tiger	Threatened	Final
<i>Ambystoma cingulatum</i>	Salamander, frosted flatwoods	Threatened	Final
<i>Ambystoma macrodactylum croceum</i>	Salamander, Santa Cruz long-toed	Endangered	Proposed
<i>Ameiva polops</i>	Lizard, St. Croix ground	Endangered	Final
<i>Ammodramus maritimus mirabilis</i>	Sparrow, Cape Sable seaside	Endangered	Final
<i>Amsinckia grandiflora</i>	Fiddleneck, large-flowered	Endangered	Final
<i>Anaea troglodyta floridalis</i>	Butterfly, Florida leafwing	Endangered	Final
<i>Anaxyrus californicus</i>	Toad, arroyo (=arroyo southwestern)	Endangered	Final

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<b>Scientific Name</b>	<b>Common Name</b>	<b>ESA Listing Status</b>	<b>Critical Habitat Type</b>
<i>Anaxyrus canorus</i>	toad, Yosemite	Threatened	Final
<i>Anolis roosevelti</i>	Anole, Culebra Island giant	Endangered	Final
<i>Antrobia culveri</i>	Cavesnail, Tumbling Creek	Endangered	Final
<i>Apodemia mormo langei</i>	Butterfly, Lange's metalmark	Endangered	Proposed
<i>Arabis georgiana</i>	Rockcress, Georgia	Threatened	Final
<i>Arabis perstellata</i>	Rock-cress, Braun's	Endangered	Final
<i>Arctostaphylos franciscana</i>	Manzanita, Franciscan	Endangered	Final
<i>Arenaria ursina</i>	Sandwort, Bear Valley	Threatened	Final
<i>Argyroxiphium kauense</i>	Silversword, Mauna Loa (=Ka'u)	Endangered	Final
<i>Argyroxiphium sandwicense ssp. macrocephalum</i>	`Ahinahina	Threatened	Final
<i>Asclepias welshii</i>	Milkweed, Welsh's	Threatened	Final
<i>Asplenium dielerectum</i>	diellia, Asplenium-leaved	Endangered	Final
<i>Asplenium dielfalcatum</i>	No common name	Endangered	Final
<i>Asplenium dielmannii</i>	No common name	Endangered	Final
<i>Asplenium dielpallidum</i>	No common name	Endangered	Proposed
<i>Asplenium peruvianum var. insulare</i>	No common name	Endangered	Final
<i>Asplenium unisorum</i>	No common name	Endangered	Final
<i>Assiminea pecos</i>	Snail, Pecos assiminea	Endangered	Final
<i>Astelia waialealae</i>	Pa`iniu	Endangered	Final
<i>Astragalus albens</i>	Milk-vetch, Cushenbury	Endangered	Final
<i>Astragalus ampullarioides</i>	Milk-vetch, Shivwits	Endangered	Final
<i>Astragalus brauntonii</i>	Milk-vetch, Braunton's	Endangered	Final
<i>Astragalus holmgreniorum</i>	Milk-vetch, Holmgren	Endangered	Final
<i>Astragalus jaegerianus</i>	Milk-vetch, Lane Mountain	Endangered	Final
<i>Astragalus lentiginosus var. coachellae</i>	Milk-vetch, Coachella Valley	Endangered	Final
<i>Astragalus lentiginosus var. piscinensis</i>	Milk-vetch, Fish Slough	Threatened	Final
<i>Astragalus magdalenae var. peirsonii</i>	Milk-vetch, Peirson's	Threatened	Final
<i>Astragalus montii</i>	Milk-vetch, heliotrope	Threatened	Final
<i>Astragalus phoenix</i>	Milk-vetch, Ash meadows	Threatened	Final
<i>Astragalus pycnostachyus var. lanosissimus</i>	Milk-vetch, Ventura Marsh	Endangered	Final

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<b>Scientific Name</b>	<b>Common Name</b>	<b>ESA Listing Status</b>	<b>Critical Habitat Type</b>
<i>Astragalus schmolliae</i>	Milkvetch, Chapin Mesa	Proposed Threatened	Proposed
<i>Atlantea tulita</i>	Butterfly, Puerto Rico harlequin	Proposed Threatened	Proposed
<i>Atriplex coronata var. notatior</i>	Crownscale, San Jacinto Valley	Endangered	Final
<i>Batrisodes venyivi</i>	Beetle, Helotes mold	Endangered	Final
<i>Berberis nevini</i>	Barberry, Nevin's	Endangered	Final
<i>Bidens amplexans</i>	Ko`oko`olau	Endangered	Final
<i>Bidens campylotheca ssp. pentamera</i>	Ko`oko`olau	Endangered	Final
<i>Bidens campylotheca ssp. waihoiensis</i>	Ko`oko`olau	Endangered	Final
<i>Bidens conjuncta</i>	Ko`oko`olau	Endangered	Final
<i>Bidens micrantha ssp. ctenophylla</i>	Ko`oko`olau	Endangered	Final
<i>Bidens micrantha ssp. kalealaha</i>	Ko`oko`olau	Endangered	Final
<i>Bidens wiebkei</i>	Ko`oko`olau	Endangered	Final
<i>Bonamia menziesii</i>	No common name	Endangered	Final
<i>Brachyramphus marmoratus</i>	Murrelet, marbled	Threatened	Final
<i>Branchinecta conservatio</i>	Fairy shrimp, Conservancy	Endangered	Final
<i>Branchinecta longiantenna</i>	Fairy shrimp, longhorn	Endangered	Final
<i>Branchinecta lynchi</i>	Fairy shrimp, vernal pool	Threatened	Final
<i>Branchinecta sandiegonensis</i>	Fairy shrimp, San Diego	Endangered	Final
<i>Brickellia mosieri</i>	Brickell-bush, Florida	Endangered	Final
<i>Brighamia insignis</i>	Olulu	Endangered	Final
<i>Brighamia rockii</i>	Pua `ala	Endangered	Final
<i>Brodiaea filifolia</i>	Brodiaea, thread-leaved	Threatened	Final
<i>Bufo houstonensis</i>	Toad, Houston	Endangered	Final
<i>Calamagrostis hillebrandii</i>	Reedgrass, Hillebrand's	Endangered	Final
<i>Callophrys mossii bayensis</i>	Butterfly, San Bruno elfin	Endangered	Proposed
<i>Cambarus callainus</i>	Crayfish, Big Sandy	Threatened	Proposed
<i>Cambarus cracens</i>	crayfish, Slenderclaw	Proposed Threatened	Proposed
<i>Cambarus veteranus</i>	Crayfish, Guyandotte River	Endangered	Proposed
<i>Canavalia molokaiensis</i>	`Awikiwiki	Endangered	Final
<i>Canavalia napaliensis</i>	`Awikiwiki	Endangered	Final

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<b>Scientific Name</b>	<b>Common Name</b>	<b>ESA Listing Status</b>	<b>Critical Habitat Type</b>
<i>Canavalia pubescens</i>	`Awikiwiki	Endangered	Final
<i>Canis lupus</i>	Wolf, gray	Proposed Endangered	Proposed
<i>Caretta caretta</i>	Sea turtle, loggerhead	Threatened	Final
<i>Carex lutea</i>	Sedge, golden	Endangered	Final
<i>Carex specuicola</i>	Sedge, Navajo	Threatened	Final
<i>Castilleja campestris ssp. succulenta</i>	Owl's-clover, fleshy	Threatened	Final
<i>Castilleja cinerea</i>	Paintbrush, ash-grey	Threatened	Final
<i>Catesbaea melanocarpa</i>	No common name	Endangered	Final
<i>Catostomus discobolus yarrowi</i>	Sucker, Zuni bluehead	Endangered	Final
<i>Catostomus santaanae</i>	Sucker, Santa Ana	Threatened	Final
<i>Catostomus warnerensis</i>	Sucker, Warner	Threatened	Final
<i>Ceanothus ophiochilus</i>	Ceanothus, Vail Lake	Threatened	Final
<i>Cenchrus agrimonioides</i>	Kamanomano	Endangered	Final
<i>Centaurium namophilum</i>	Centaury, spring-loving	Threatened	Final
<i>Centrocercus minimus</i>	sage-grouse, Gunnison	Threatened	Final
<i>Chamaesyce hooveri</i>	Spurge, Hoover's	Threatened	Final
<i>Charadrius melodus</i>	Plover, piping	Endangered	Final
<i>Charadrius melodus</i>	Plover, piping	Threatened	Final
<i>Charadrius nivosus nivosus</i>	Plover, western snowy	Threatened	Final
<i>Charpentiera densiflora</i>	Papala	Endangered	Final
<i>Chasiempis ibidis</i>	elepaio, Oahu	Endangered	Final
<i>Chasmistes brevirostris</i>	Sucker, shortnose	Endangered	Final
<i>Chasmistes liorus</i>	Sucker, June	Endangered	Final
<i>Chelonia mydas</i>	Sea turtle, green	Threatened	Final
<i>Chlorogalum purpureum</i>	amole, purple	Threatened	Final
<i>Chorizanthe pungens var. pungens</i>	Spineflower, Monterey	Threatened	Final
<i>Chorizanthe robusta var. hartwegii</i>	spineflower, Scotts Valley	Endangered	Final
<i>Chorizanthe robusta var. robusta</i>	spineflower, Robust	Endangered	Final
<i>Chromolaena frustrata</i>	Thoroughwort, Cape Sable	Endangered	Final
<i>Chrosomus saylori</i>	dace, Laurel	Endangered	Final
<i>Cicindela nevadica lincolniiana</i>	Tiger beetle, Salt Creek	Endangered	Final
<i>Cicurina baronia</i>	Meshweaver, Robber Baron Cave	Endangered	Final

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<b>Scientific Name</b>	<b>Common Name</b>	<b>ESA Listing Status</b>	<b>Critical Habitat Type</b>
<i>Cicurina madla</i>	Meshweaver, Madla Cave	Endangered	Final
<i>Cicurina venii</i>	Meshweaver, Braken Bat Cave	Endangered	Final
<i>Cicurina vespera</i>	Meshweaver, Government Canyon Bat Cave	Endangered	Final
<i>Cirsium hydrophilum var. hydrophilum</i>	Thistle, Suisun	Endangered	Final
<i>Cirsium loncholepis</i>	Thistle, La Graciosa	Endangered	Final
<i>Clermontia drepanomorpha</i>	`Oha wai	Endangered	Final
<i>Clermontia lindseyana</i>	`Oha wai	Endangered	Final
<i>Clermontia oblongifolia ssp. brevipes</i>	`Oha wai	Endangered	Final
<i>Clermontia oblongifolia ssp. mauiensis</i>	`Oha wai	Endangered	Final
<i>Clermontia peleana</i>	`Oha wai	Endangered	Final
<i>Clermontia pyrularia</i>	`Oha wai	Endangered	Final
<i>Clermontia samuelii</i>	`Oha wai	Endangered	Final
<i>Coccyzus americanus</i>	Cuckoo, yellow-billed	Threatened	Proposed
<i>Colubrina oppositifolia</i>	Kauila	Endangered	Final
<i>Consolea corallicola</i>	Cactus, Florida semaphore	Endangered	Final
<i>Cordylanthus mollis ssp. mollis</i>	Bird's-beak, soft	Endangered	Final
<i>Corvus kubaryi</i>	Crow, Mariana (=aga)	Endangered	Final
<i>Corynorhinus (=Plecotus) townsendii virginianus</i>	Bat, Virginia big-eared	Endangered	Final
<i>Cottus paulus (=pygmaeus)</i>	Sculpin, pygmy	Threatened	Proposed
<i>Cottus specus</i>	Sculpin, Grotto	Endangered	Final
<i>Crenichthys baileyi baileyi</i>	Springfish, White River	Endangered	Final
<i>Crenichthys baileyi grandis</i>	Springfish, Hiko White River	Endangered	Final
<i>Crenichthys nevadae</i>	Springfish, Railroad Valley	Threatened	Final
<i>Crocodylus acutus</i>	Crocodile, American	Threatened	Final
<i>Crotalus willardi obscurus</i>	Rattlesnake, New Mexican ridge-nosed	Threatened	Final
<i>Crystallaria cincotta</i>	Darter, diamond	Endangered	Final
<i>Ctenitis squamigera</i>	Pauoa	Endangered	Final
<i>Cyanea acuminata</i>	Haha	Endangered	Final
<i>Cyanea asarifolia</i>	Haha	Endangered	Proposed
<i>Cyanea asplenifolia</i>	Haha	Endangered	Final
<i>Cyanea calycina</i>	Haha	Endangered	Final
<i>Cyanea copelandii ssp. haleakalaensis</i>	Haha	Endangered	Final

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Scientific Name	Common Name	ESA Listing Status	Critical Habitat Type
<i>Cyanea crispa</i>	haha	Endangered	Final
<i>Cyanea dolichopoda</i>	Haha	Endangered	Final
<i>Cyanea dunbariae</i>	haha	Endangered	Final
<i>Cyanea duvalliorum</i>	haha	Endangered	Final
<i>Cyanea eleeleensis</i>	Haha	Endangered	Final
<i>Cyanea gibsonii</i>	haha	Endangered	Final
<i>Cyanea glabra</i>	Haha	Endangered	Final
<i>Cyanea grimesiana ssp. grimesiana</i>	Haha	Endangered	Final
<i>Cyanea grimesiana ssp. obatae</i>	Haha	Endangered	Final
<i>Cyanea hamatiflora ssp. carlsonii</i>	Haha	Endangered	Final
<i>Cyanea hamatiflora ssp. hamatiflora</i>	Haha	Endangered	Final
<i>Cyanea horrida</i>	nui, haha	Endangered	Final
<i>Cyanea humboldtiana</i>	Haha	Endangered	Final
<i>Cyanea kolekoleensis</i>	Haha	Endangered	Final
<i>Cyanea koolauensis</i>	Haha	Endangered	Final
<i>Cyanea kuhihewa</i>	Haha	Endangered	Final
<i>Cyanea kunthiana</i>	Haha	Endangered	Final
<i>Cyanea lanceolata</i>	Haha	Endangered	Final
<i>Cyanea lobata</i>	Haha	Endangered	Final
<i>Cyanea longiflora</i>	Haha	Endangered	Final
<i>Cyanea magnicalyx</i>	haha	Endangered	Final
<i>Cyanea mannii</i>	Haha	Endangered	Final
<i>Cyanea maritae</i>	haha	Endangered	Final
<i>Cyanea mauiensis</i>	haha	Endangered	Final
<i>Cyanea mceldowneyi</i>	Haha	Endangered	Final
<i>Cyanea munroi</i>	haha	Endangered	Final
<i>Cyanea obtusa</i>	Haha	Endangered	Final
<i>Cyanea pinnatifida</i>	Haha	Endangered	Final
<i>Cyanea platyphylla</i>	`aku`aku	Endangered	Final
<i>Cyanea procera</i>	Haha	Endangered	Final
<i>Cyanea profuga</i>	Haha	Endangered	Final
<i>Cyanea purpurellifolia</i>	Haha	Endangered	Final
<i>Cyanea recta</i>	Haha	Threatened	Final

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Scientific Name	Common Name	ESA Listing Status	Critical Habitat Type
<i>Cyanea remyi</i>	Haha	Endangered	Proposed
<i>Cyanea rivularis</i>	Haha	Endangered	Final
<i>Cyanea shipmanii</i>	Haha	Endangered	Final
<i>Cyanea solanacea</i>	Popolo	Endangered	Final
<i>Cyanea st.-johnii</i>	Haha	Endangered	Final
<i>Cyanea stictophylla</i>	Haha	Endangered	Final
<i>Cyanea superba</i>	Haha	Endangered	Final
<i>Cyanea truncata</i>	Haha	Endangered	Final
<i>Cyanea undulata</i>	Haha	Endangered	Final
<i>Cyclura stejnegeri</i>	Iguana, Mona ground	Threatened	Final
<i>Cyperus fauriei</i>	No common name	Endangered	Final
<i>Cyperus pennatiformis</i>	No common name	Endangered	Final
<i>Cyperus trachysanthos</i>	Pu`uka`a	Endangered	Final
<i>Cyprinella formosa</i>	Shiner, beautiful	Threatened	Final
<i>Cyprinodon bovinus</i>	Pupfish, Leon Springs	Endangered	Final
<i>Cyprinodon macularius</i>	Pupfish, desert	Endangered	Final
<i>Cyprinodon nevadensis mionectes</i>	Pupfish, Ash Meadows Amargosa	Endangered	Final
<i>Cyrtandra cyaneoides</i>	Mapele	Endangered	Final
<i>Cyrtandra dentata</i>	Ha`iwale	Endangered	Final
<i>Cyrtandra ferripilosa</i>	haiwale	Endangered	Final
<i>Cyrtandra filipes</i>	Ha`iwale	Endangered	Final
<i>Cyrtandra giffardii</i>	Ha`iwale	Endangered	Final
<i>Cyrtandra gracilis</i>	Haiwale	Endangered	Final
<i>Cyrtandra kaulantha</i>	Ha`iwale	Endangered	Final
<i>Cyrtandra limahuliensis</i>	Ha`iwale	Threatened	Final
<i>Cyrtandra munroi</i>	Ha`iwale	Endangered	Final
<i>Cyrtandra oenobarba</i>	Ha`iwale	Endangered	Final
<i>Cyrtandra oxybapha</i>	Ha`iwale	Endangered	Final
<i>Cyrtandra paliku</i>	Haiwale	Endangered	Final
<i>Cyrtandra polyantha</i>	Ha`iwale	Endangered	Final
<i>Cyrtandra sessilis</i>	Ha`iwale	Endangered	Final
<i>Cyrtandra subumbellata</i>	Ha`iwale	Endangered	Final
<i>Cyrtandra tintinnabula</i>	Ha`iwale	Endangered	Final

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<b>Scientific Name</b>	<b>Common Name</b>	<b>ESA Listing Status</b>	<b>Critical Habitat Type</b>
<i>Cyrtandra viridiflora</i>	Ha`iwale	Endangered	Final
<i>Cyrtandra waiolani</i>	Haiwale	Endangered	Final
<i>Deinandra (=Hemizonia) conjugens</i>	Tarplant, Otay	Threatened	Final
<i>Deinandra increscens ssp. villosa</i>	Tarplant, Gaviota	Endangered	Final
<i>Delissea rhytidosperma</i>	No common name	Endangered	Proposed
<i>Delissea subcordata</i>	Oha	Endangered	Final
<i>Delissea undulata</i>	No common name	Endangered	Final
<i>Delphinium bakeri</i>	Larkspur, Baker's	Endangered	Final
<i>Delphinium luteum</i>	Larkspur, yellow	Endangered	Final
<i>Deltistes luxatus</i>	Sucker, Lost River	Endangered	Final
<i>Dermochelys coriacea</i>	Sea turtle, leatherback	Endangered	Final
<i>Desmocerus californicus dimorphus</i>	Beetle, valley elderberry longhorn	Threatened	Final
<i>Dinacoma caseyi</i>	Beetle, Casey's June	Endangered	Final
<i>Dionda diaboli</i>	Minnow, Devils River	Threatened	Final
<i>Diplacus vandenbergensis</i>	Monkeyflower, Vandenberg	Endangered	Final
<i>Diplazium molokaiense</i>	No common name	Endangered	Final
<i>Dipodomys heermanni morroensis</i>	Kangaroo rat, Morro Bay	Endangered	Final
<i>Dipodomys merriami parvus</i>	Kangaroo rat, San Bernardino Merriam's	Endangered	Final
<i>Dipodomys nitratoides exilis</i>	Kangaroo rat, Fresno	Endangered	Final
<i>Doryopteris angelica</i>	No common name	Endangered	Final
<i>Doryopteris takeuchii</i>	No common name	Endangered	Final
<i>Drosophila aglaia</i>	fly, Hawaiian picture-wing	Endangered	Final
<i>Drosophila differens</i>	fly, Hawaiian picture-wing	Endangered	Final
<i>Drosophila hemipeza</i>	fly, Hawaiian picture-wing	Endangered	Final
<i>Drosophila heteroneura</i>	fly, Hawaiian picture-wing	Endangered	Final
<i>Drosophila montgomeryi</i>	picture-wing fly, Hawaiian	Endangered	Final
<i>Drosophila mulli</i>	fly, Hawaiian picture-wing	Threatened	Final
<i>Drosophila musaphilia</i>	fly, Hawaiian picture-wing	Endangered	Final
<i>Drosophila neoclavisetae</i>	picture-wing fly, Hawaiian	Endangered	Final
<i>Drosophila obatai</i>	fly, Hawaiian picture-wing	Endangered	Final
<i>Drosophila ochrobasis</i>	fly, Hawaiian picture-wing	Endangered	Final
<i>Drosophila sharpi</i>	Fly, Hawaiian picture-wing	Endangered	Final
<i>Drosophila substenoptera</i>	fly, Hawaiian picture-wing	Endangered	Final

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<b>Scientific Name</b>	<b>Common Name</b>	<b>ESA Listing Status</b>	<b>Critical Habitat Type</b>
<i>Drosophila tarphytrichia</i>	fly, Hawaiian picture-wing	Endangered	Final
<i>Dryopteris crinalis</i> var. <i>podosorus</i>	aumakua, Palapalai	Endangered	Final
<i>Dubautia herbstobatae</i>	Na`ena`e	Endangered	Final
<i>Dubautia imbricata</i> ssp. <i>imbricata</i>	Na`ena`e	Endangered	Final
<i>Dubautia kalalauensis</i>	Naenae	Endangered	Final
<i>Dubautia kenwoodii</i>	Naenae	Endangered	Final
<i>Dubautia latifolia</i>	Koholapehu	Endangered	Final
<i>Dubautia pauciflorula</i>	Na`ena`e	Endangered	Final
<i>Dubautia plantaginea</i> ssp. <i>humilis</i>	Na`ena`e	Endangered	Final
<i>Dubautia plantaginea</i> ssp. <i>magnifolia</i>	Na`ena`e	Endangered	Final
<i>Dubautia waialealae</i>	Na`ena`e	Endangered	Final
<i>Echinomastus erectocentrus</i> var. <i>acunensis</i>	Cactus, Acuna	Endangered	Final
<i>Elaphrus viridis</i>	Beetle, delta green ground	Threatened	Final
<i>Elassoma alabamiae</i>	Sunfish, spring pygmy	Threatened	Final
<i>Eleutherodactylus cooki</i>	Guajon	Threatened	Final
<i>Eleutherodactylus jasperii</i>	Coqui, golden	Threatened	Final
<i>Eleutherodactylus juanariveroi</i>	Coqui, Llanero	Endangered	Final
<i>Elliptio chipolaensis</i>	Slabshell, Chipola	Threatened	Final
<i>Elliptio lanceolata</i>	Lance, yellow	Threatened	Proposed
<i>Elliptio spinosa</i>	Spiny mussel, Altamaha	Endangered	Final
<i>Elliptoideus sloatianus</i>	Bankclimber, purple (mussel)	Threatened	Final
<i>Empidonax traillii extimus</i>	Flycatcher, southwestern willow	Endangered	Final
<i>Enceliopsis nudicaulis</i> var. <i>corrugata</i>	Sunray, Ash Meadows	Threatened	Final
<i>Enhydra lutris kenyonii</i>	Otter, Northern Sea	Threatened	Final
<i>Epicrates monensis monensis</i>	Boa, Mona	Threatened	Final
<i>Epioblasma brevidens</i>	Combshell, Cumberlandian	Endangered	Final
<i>Epioblasma capsaeformis</i>	Mussel, oyster	Endangered	Final
<i>Epioblasma metastrata</i>	Combshell, upland	Endangered	Final
<i>Epioblasma othcaloogensis</i>	Acornshell, southern	Endangered	Final
<i>Eragrostis fosbergii</i>	Love grass, Fosberg's	Endangered	Final
<i>Eremichthys acros</i>	Dace, desert	Threatened	Final
<i>Eremophila alpestris strigata</i>	Horned lark, streaked	Threatened	Final

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<b>Scientific Name</b>	<b>Common Name</b>	<b>ESA Listing Status</b>	<b>Critical Habitat Type</b>
<i>Eretmochelys imbricata</i>	Sea turtle, hawksbill	Endangered	Final
<i>Erigeron decumbens</i>	Daisy, Willamette	Endangered	Final
<i>Erigeron parishii</i>	Daisy, Parish's	Threatened	Final
<i>Erimonax monachus</i>	Chub, spotfin	Threatened	Final
<i>Erimystax cahni</i>	Chub, slender	Threatened	Final
<i>Erinna newcombi</i>	Snail, Newcomb's	Threatened	Final
<i>Eriodictyon capitatum</i>	Yerba santa, Lompoc	Endangered	Final
<i>Eriogonum codium</i>	Buckwheat, Umtanum Desert	Threatened	Final
<i>Eriogonum gypsophilum</i>	Wild-buckwheat, gypsum	Threatened	Final
<i>Eriogonum kennedyi</i> var. <i>austromontanum</i>	Wild-buckwheat, southern mountain	Threatened	Final
<i>Eriogonum ovalifolium</i> var. <i>vineum</i>	Buckwheat, cushenbury	Endangered	Final
<i>Eriogonum pelinophilum</i>	wild buckwheat, clay-loving	Endangered	Final
<i>Erysimum capitatum</i> var. <i>angustatum</i>	Wallflower, Contra Costa	Endangered	Final
<i>Etheostoma boschungii</i>	Darter, slackwater	Threatened	Final
<i>Etheostoma chermocki</i>	Darter, vermilion	Endangered	Final
<i>Etheostoma fonticola</i>	Darter, fountain	Endangered	Final
<i>Etheostoma moorei</i>	Darter, yellowcheek	Endangered	Final
<i>Etheostoma nianguae</i>	Darter, Niangua	Threatened	Final
<i>Etheostoma osburni</i>	Darter, candy	Endangered	Proposed
<i>Etheostoma phytophilum</i>	Darter, rush	Endangered	Final
<i>Etheostoma sellare</i>	Darter, Maryland	Endangered	Final
<i>Etheostoma spilotum</i>	Darter, Kentucky arrow	Threatened	Final
<i>Etheostoma susanae</i>	Darter, Cumberland	Endangered	Final
<i>Etheostoma trisella</i>	Darter, trisplot	Threatened	Final
<i>Euchloe ausonides insulanus</i>	Butterfly, Island marble	Endangered	Final
<i>Eucyclogobius newberryi</i>	Goby, tidewater	Endangered	Final
<i>Eugenia koolauensis</i>	Nioi	Endangered	Final
<i>Eumops floridanus</i>	bat, Florida bonneted	Endangered	Proposed
<i>Euphilotes battoides allyni</i>	Butterfly, El Segundo blue	Endangered	Proposed
<i>Euphilotes enoptes smithi</i>	Butterfly, Smith's blue	Endangered	Proposed
<i>Euphorbia celastroides</i> var. <i>kaenana</i>	`Akoko	Endangered	Final
<i>Euphorbia deppeana</i>	`Akoko	Endangered	Final

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<b>Scientific Name</b>	<b>Common Name</b>	<b>ESA Listing Status</b>	<b>Critical Habitat Type</b>
<i>Euphorbia eleanoriae</i>	`Akoko	Endangered	Final
<i>Euphorbia haeleeeleana</i>	`Akoko	Endangered	Final
<i>Euphorbia halemanui</i>	"Akoko	Endangered	Proposed
<i>Euphorbia herbstii</i>	`Akoko	Endangered	Final
<i>Euphorbia kuwaleana</i>	`Akoko	Endangered	Final
<i>Euphorbia remyi</i> var. <i>kauaiensis</i>	`Akoko	Endangered	Final
<i>Euphorbia remyi</i> var. <i>remyi</i>	`Akoko	Endangered	Final
<i>Euphorbia rockii</i>	`Akoko	Endangered	Final
<i>Euphorbia skottsbergii</i> var. <i>skottsbergii</i>	`Akoko, Ewa Plains	Endangered	Final
<i>Euphydryas editha bayensis</i>	Butterfly, bay checkerspot	Threatened	Final
<i>Euphydryas editha quino</i> (=E. e. <i>wrighti</i> )	Butterfly, Quino checkerspot	Endangered	Final
<i>Euphydryas editha taylori</i>	Checkerspot, Taylor's (=whulge)	Endangered	Final
<i>Euproserpinus euterpe</i>	Moth, Kern primrose sphinx	Threatened	Proposed
<i>Eurycea chisholmensis</i>	Salamander, Salado	Threatened	Proposed
<i>Eurycea nana</i>	Salamander, San Marcos	Threatened	Final
<i>Eurycea naufragia</i>	Salamander, Georgetown	Threatened	Proposed
<i>Eurycea tonkawae</i>	Salamander, Jollyville Plateau	Threatened	Final
<i>Eurycea waterlooensis</i>	Salamander, Austin blind	Endangered	Final
<i>Exocarpos luteolus</i>	Heau	Endangered	Final
<i>Faxonius peruncus</i>	Crayfish, Big Creek	Proposed Threatened	Proposed
<i>Faxonius quadruncus</i>	Crayfish, St. Francis River	Proposed Threatened	Proposed
<i>Festuca ligulata</i>	Fescue, Guadalupe	Endangered	Final
<i>Festuca molokaiensis</i>	No common name	Endangered	Final
<i>Flueggea neowawraea</i>	Mehamehame	Endangered	Final
<i>Fremontodendron mexicanum</i>	Flannelbush, Mexican	Endangered	Final
<i>Fundulus julisia</i>	Topminnow, barrens	Endangered	Proposed
<i>Fusconaia burkei</i>	Pigtoe, tapered	Threatened	Final
<i>Fusconaia escambia</i>	Pigtoe, narrow	Threatened	Final

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<b>Scientific Name</b>	<b>Common Name</b>	<b>ESA Listing Status</b>	<b>Critical Habitat Type</b>
<i>Fusconaia masoni</i>	Pigtoe, Atlantic	Proposed Threatened	Proposed
<i>Fusconaia rotulata</i>	Ebonysshell, round	Endangered	Final
<i>Fusconaia subrotunda</i>	Longsolid	Proposed Threatened	Proposed
<i>Gambusia georgei</i>	Gambusia, San Marcos	Endangered	Final
<i>Gammarus desperatus</i>	Amphipod, Noel's	Endangered	Final
<i>Gammarus hyalleloides</i>	Amphipod, diminutive	Endangered	Final
<i>Gammarus pecos</i>	Amphipod, Pecos	Endangered	Final
<i>Gardenia mannii</i>	Nanu	Endangered	Final
<i>Geranium arboreum</i>	Geranium, Hawaiian red-flowered	Endangered	Final
<i>Geranium hanaense</i>	Nohoanu	Endangered	Final
<i>Geranium hillebrandii</i>	Nohoanu	Endangered	Final
<i>Geranium kauaiense</i>	Nohoanu	Endangered	Final
<i>Geranium multiflorum</i>	Nohoanu	Endangered	Final
<i>Gila bicolor ssp. snyderi</i>	Chub, Owens Tui	Endangered	Final
<i>Gila cypha</i>	Chub, humpback	Endangered	Final
<i>Gila ditaenia</i>	Chub, Sonora	Threatened	Final
<i>Gila elegans</i>	Bonytail	Endangered	Final
<i>Gila intermedia</i>	Chub, Gila	Endangered	Final
<i>Gila nigrescens</i>	Chub, Chihuahua	Threatened	Proposed
<i>Gila purpurea</i>	Chub, Yaqui	Endangered	Final
<i>Gila seminuda (=robusta)</i>	Chub, Virgin River	Endangered	Final
<i>Glaucopsyche lygdamus palosverdesensis</i>	Butterfly, Palos Verdes blue	Endangered	Final
<i>Gonocalyx concolor</i>	No common name	Endangered	Final
<i>Gopherus agassizii</i>	Tortoise, desert	Threatened	Final
<i>Gouania hillebrandii</i>	No common name	Endangered	Final
<i>Gouania meyenii</i>	No common name	Endangered	Final
<i>Gouania vitifolia</i>	No common name	Endangered	Final
<i>Graptopetalum bartramii</i>	Stonecrop, Bartram	Proposed Threatened	Proposed
<i>Grindelia fraxinipratensis</i>	Gumplant, Ash Meadows	Threatened	Final

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<b>Scientific Name</b>	<b>Common Name</b>	<b>ESA Listing Status</b>	<b>Critical Habitat Type</b>
<i>Grus americana</i>	Crane, whooping	Endangered	Final
<i>Grus canadensis pulla</i>	Crane, Mississippi sandhill	Endangered	Final
<i>Gymnogyps californianus</i>	Condor, California	Endangered	Final
<i>Halcyon cinnamomina cinnamomina</i>	Kingfisher, Guam Micronesian	Endangered	Final
<i>Hamiota australis</i>	sandshell, Southern	Threatened	Final
<i>Harrisia (=Cereus) aboriginum (=gracilis)</i>	Prickly-apple, aboriginal	Endangered	Final
<i>Hedeoma todsenii</i>	Pennyroyal, Todsens	Endangered	Final
<i>Helianthus paradoxus</i>	Sunflower, Pecos (=puzzle, =paradox)	Threatened	Final
<i>Helianthus verticillatus</i>	Sunflower, whorled	Endangered	Final
<i>Helminthoglypta walkeriana</i>	Snail, Morro shoulderband (=Banded dune)	Endangered	Final
<i>Hesperia dacotae</i>	Skipper, Dakota	Threatened	Final
<i>Hesperia leonardus montana</i>	Skipper, Pawnee montane	Threatened	Proposed
<i>Hesperomannia arborescens</i>	No common name	Endangered	Final
<i>Hesperomannia arbuscula</i>	No common name	Endangered	Final
<i>Hesperomannia lydgatei</i>	No common name	Endangered	Proposed
<i>Heterelmis comalensis</i>	Beetle, Comal Springs riffle	Endangered	Final
<i>Hibiscadelphus giffardianus</i>	Hau kuahiwi	Endangered	Final
<i>Hibiscadelphus hualalaiensis</i>	Hau kuahiwi	Endangered	Final
<i>Hibiscadelphus woodii</i>	Hau kuahiwi	Endangered	Final
<i>Hibiscus arnottianus ssp. immaculatus</i>	Koki`o ke`oke`o	Endangered	Final
<i>Hibiscus brackenridgei</i>	Ma`o hau hele, (=native yellow hibiscus)	Endangered	Final
<i>Hibiscus clayi</i>	Hibiscus, Clay's	Endangered	Proposed
<i>Hibiscus dasycalyx</i>	Rose-mallow, Neches River	Threatened	Final
<i>Hibiscus waimeae ssp. hanneriae</i>	Koki`o ke`oke`o	Endangered	Proposed
<i>Holocarpa macradenia</i>	Tarplant, Santa Cruz	Threatened	Final
<i>Hudsonia montana</i>	Heather, mountain golden	Threatened	Final
<i>Huperzia mannii</i>	Wawae`iole	Endangered	Final
<i>Huperzia nutans</i>	Wawae`iole	Endangered	Final
<i>Hybognathus amarus</i>	Minnow, Rio Grande Silvery	Endangered	Final
<i>Hypomesus transpacificus</i>	Smelt, delta	Threatened	Final
<i>Icaricia (Plebejus) shasta charlestonensis</i>	Butterfly, Mount Charleston blue	Endangered	Final

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<b>Scientific Name</b>	<b>Common Name</b>	<b>ESA Listing Status</b>	<b>Critical Habitat Type</b>
<i>Icaricia icarioides fenderi</i>	Butterfly, Fender's blue	Endangered	Final
<i>Icaricia icarioides missionensis</i>	Butterfly, mission blue	Endangered	Proposed
<i>Ictalurus pricei</i>	Catfish, Yaqui	Threatened	Final
<i>Ipomopsis polyantha</i>	Skyrocket, Pagosa	Endangered	Final
<i>Ischaemum byrone</i>	Ischaemum, Hilo	Endangered	Final
<i>Isodendrion hosakae</i>	Aupaka	Endangered	Final
<i>Isodendrion laurifolium</i>	Aupaka	Endangered	Final
<i>Isodendrion longifolium</i>	Aupaka	Threatened	Final
<i>Isodendrion pyrifolium</i>	Kula wahine noho	Endangered	Final
<i>Ivesia kingii</i> var. <i>eremica</i>	Ivesia, Ash Meadows	Threatened	Final
<i>Ivesia webberi</i>	ivesia, Webber's	Threatened	Final
<i>Juturnia kosteri</i>	Springsnail, Koster's	Endangered	Final
<i>Kadua cookiana</i>	'Awiwi	Endangered	Final
<i>Kadua cordata remyi</i>	kopa	Endangered	Final
<i>Kadua coriacea</i>	Kio`ele	Endangered	Final
<i>Kadua degeneri</i>	No common name	Endangered	Final
<i>Kadua laxiflora</i>	pilo	Endangered	Final
<i>Kadua parvula</i>	No common name	Endangered	Final
<i>Kadua st.-johnii</i>	No common name	Endangered	Proposed
<i>Kanaloa kahoolawensis</i>	Kohe malama malama o kanaloa	Endangered	Final
<i>Keysseria (=Lagenifera) erici</i>	No common name	Endangered	Final
<i>Keysseria (=Lagenifera) helenae</i>	No common name	Endangered	Final
<i>Kinosternon sonoriense longifemorale</i>	Turtle, Sonoyta mud	Endangered	Final
<i>Kokia cookei</i>	Koki`o, Cooke's	Endangered	Final
<i>Kokia drynarioides</i>	Koki`o	Endangered	Final
<i>Kokia kauaiensis</i>	Koki`o	Endangered	Proposed
<i>Korthalsella degeneri</i>	Hulumoa	Endangered	Final
<i>Labordia cyrtandrae</i>	Kamakahala	Endangered	Final
<i>Labordia helleri</i>	Kamakahala	Endangered	Final
<i>Labordia lydgatei</i>	Kamakahala	Endangered	Proposed
<i>Labordia pumila</i>	Kamakahala	Endangered	Final
<i>Labordia tinifolia</i> var. <i>lanaiensis</i>	Kamakahala	Endangered	Final
<i>Labordia tinifolia</i> var. <i>wahiawaensis</i>	Kamakahala	Endangered	Final

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<b>Scientific Name</b>	<b>Common Name</b>	<b>ESA Listing Status</b>	<b>Critical Habitat Type</b>
<i>Labordia triflora</i>	Kamakahala	Endangered	Final
<i>Lampsilis altilis</i>	Pocketbook, finelined	Threatened	Final
<i>Lampsilis perovalis</i>	Mucket, orangenacre	Threatened	Final
<i>Lampsilis rafinesqueana</i>	Mucket, Neosho	Endangered	Final
<i>Lampsilis subangulata</i>	Pocketbook, shinyrayed	Endangered	Final
<i>Lasmigona decorata</i>	Heelsplitter, Carolina	Endangered	Final
<i>Lasthenia conjugens</i>	Goldfields, Contra Costa	Endangered	Final
<i>Leavenworthia crassa</i>	Gladecress, Fleshy-fruit	Endangered	Final
<i>Leavenworthia exigua laciniata</i>	Glade cress, Kentucky	Threatened	Final
<i>Leavenworthia texana</i>	Gladecress, Texas golden	Endangered	Final
<i>Lepidium arbuscula</i>	`Anaunau	Endangered	Final
<i>Lepidium papilliferum</i>	Peppergrass, Slickspot	Threatened	Proposed
<i>Lepidochelys kempii</i>	Sea turtle, Kemp's ridley	Endangered	Proposed
<i>Lepidomeda albivallis</i>	Spinedace, White River	Endangered	Final
<i>Lepidomeda mollispinis pratensis</i>	Spinedace, Big Spring	Threatened	Final
<i>Lepidomeda vittata</i>	Spinedace, Little Colorado	Threatened	Final
<i>Lepidurus packardii</i>	Tadpole shrimp, vernal pool	Endangered	Final
<i>Leptoxis foremani</i>	Rocksnailed, interrupted (=Georgia)	Endangered	Final
<i>Lesquerella kingii ssp. bernardina</i>	Bladderpod, San Bernardino Mountains	Endangered	Final
<i>Lesquerella thamnophila</i>	Bladderpod, Zapata	Endangered	Final
<i>Lilaeopsis schaffneriana var. recurva</i>	Water-umbel, Huachuca	Endangered	Final
<i>Limnanthes floccosa ssp. californica</i>	Meadowfoam, Butte County	Endangered	Final
<i>Limnanthes pumila ssp. grandiflora</i>	meadowfoam, large-flowered woolly	Endangered	Final
<i>Linum carteri carteri</i>	Flax, Carter's small-flowered	Endangered	Final
<i>Lipochaeta fauriei</i>	Nehe	Endangered	Proposed
<i>Lipochaeta lobata var. leptophylla</i>	Nehe	Endangered	Final
<i>Lipochaeta micrantha</i>	Nehe	Endangered	Proposed
<i>Lipochaeta waimeaensis</i>	Nehe	Endangered	Final
<i>Lobelia koolauensis</i>	No common name	Endangered	Final
<i>Lobelia monostachya</i>	No common name	Endangered	Final
<i>Lobelia niihauensis</i>	No common name	Endangered	Final
<i>Lobelia oahuensis</i>	No common name	Endangered	Final
<i>Lomatium cookii</i>	Lomatium, Cook's	Endangered	Final

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<b>Scientific Name</b>	<b>Common Name</b>	<b>ESA Listing Status</b>	<b>Critical Habitat Type</b>
<i>Loxioides bailleui</i>	Palila (honeycreeper)	Endangered	Final
<i>Loxops caeruleirostris</i>	Akekee	Endangered	Final
<i>Lupinus sulphureus ssp. kincaidii</i>	Lupine, Kincaid's	Threatened	Final
<i>Lycaeides argyrognomon lotis</i>	Butterfly, lotis blue	Endangered	Proposed
<i>Lycaeides melissa samuelis</i>	Butterfly, Karner blue	Endangered	Proposed
<i>Lycaena hermes</i>	Butterfly, Hermes copper	Proposed Threatened	Proposed
<i>Lynx canadensis</i>	Lynx, Canada	Threatened	Final
<i>Lysimachia daphnoides</i>	lehua makanoe	Endangered	Final
<i>Lysimachia filifolia</i>	No common name	Endangered	Final
<i>Lysimachia iniki</i>	No common name	Endangered	Final
<i>Lysimachia lydgatei</i>	No common name	Endangered	Final
<i>Lysimachia maxima</i>	No common name	Endangered	Final
<i>Lysimachia pendens</i>	No common name	Endangered	Final
<i>Lysimachia scopulensis</i>	No common name	Endangered	Final
<i>Lysimachia venosa</i>	No common name	Endangered	Final
<i>Manduca blackburni</i>	Moth, Blackburn's sphinx	Endangered	Final
<i>Margaritifera marrianae</i>	Pearlshell, Alabama	Endangered	Final
<i>Marsilea villosa</i>	Ihi`ihi	Endangered	Final
<i>Masticophis lateralis euryxanthus</i>	Whipsnake (=striped racer), Alameda	Threatened	Final
<i>Meda fulgida</i>	Spikedace	Endangered	Final
<i>Medionidus acutissimus</i>	Moccasinshell, Alabama	Threatened	Final
<i>Medionidus parvulus</i>	Moccasinshell, Coosa	Endangered	Final
<i>Medionidus penicillatus</i>	Moccasinshell, Gulf	Endangered	Final
<i>Medionidus simpsonianus</i>	Moccasinshell, Ochlockonee	Endangered	Final
<i>Medionidus walkeri</i>	Moccasinshell, Suwannee	Threatened	Proposed
<i>Megalagrion leptodemas</i>	Damselfly, crimson Hawaiian	Endangered	Final
<i>Megalagrion nigrohamatum nigrolineatum</i>	Damselfly, blackline Hawaiian	Endangered	Final
<i>Megalagrion oceanicum</i>	Damselfly, oceanic Hawaiian	Endangered	Final
<i>Melanthera kamolensis</i>	nehe	Endangered	Final
<i>Melanthera tenuifolia</i>	Nehe	Endangered	Final
<i>Melicope adscendens</i>	Alani	Endangered	Final

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<b>Scientific Name</b>	<b>Common Name</b>	<b>ESA Listing Status</b>	<b>Critical Habitat Type</b>
<i>Melicope balloui</i>	Alani	Endangered	Final
<i>Melicope christophersenii</i>	Alani	Endangered	Final
<i>Melicope degeneri</i>	Alani	Endangered	Final
<i>Melicope haupuensis</i>	Alani	Endangered	Proposed
<i>Melicope hiiakae</i>	Alani	Endangered	Final
<i>Melicope knudsenii</i>	Alani	Endangered	Final
<i>Melicope lydgatei</i>	Alani	Endangered	Final
<i>Melicope makahae</i>	Alani	Endangered	Final
<i>Melicope mucronulata</i>	Alani	Endangered	Final
<i>Melicope munroi</i>	Alani	Endangered	Final
<i>Melicope ovalis</i>	Alani	Endangered	Final
<i>Melicope pallida</i>	Alani	Endangered	Final
<i>Melicope paniculata</i>	Alani	Endangered	Final
<i>Melicope puberula</i>	Alani	Endangered	Final
<i>Melicope reflexa</i>	Alani	Endangered	Final
<i>Melicope saint-johnii</i>	Alani	Endangered	Final
<i>Melicope zahlbruckneri</i>	Alani	Endangered	Final
<i>Menidia extensa</i>	Silverside, Waccamaw	Threatened	Final
<i>Mentzelia leucophylla</i>	Blazingstar, Ash Meadows	Threatened	Final
<i>Mezoneuron kavaiense</i>	Uhi uhi	Endangered	Final
<i>Microhexura montivaga</i>	Spider, spruce-fir moss	Endangered	Final
<i>Microtus californicus scirpensis</i>	Vole, Amargosa	Endangered	Final
<i>Monardella viminea</i>	Monardella, willow	Endangered	Final
<i>Mucuna sloanei</i> var. <i>persericea</i>	bean, sea	Endangered	Final
<i>Myotis sodalis</i>	Bat, Indiana	Endangered	Final
<i>Myrsine juddii</i>	Kolea	Endangered	Final
<i>Myrsine knudsenii</i>	Kolea	Endangered	Final
<i>Myrsine linearifolia</i>	Kolea	Threatened	Proposed
<i>Myrsine mezii</i>	Kolea	Endangered	Final
<i>Myrsine vaccinioides</i>	Kolea	Endangered	Final
<i>Navarretia fossalis</i>	Navarretia, spreading	Threatened	Final
<i>Necturus alabamensis</i>	Waterdog, black warrior (=Sipsey Fork)	Endangered	Final

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<b>Scientific Name</b>	<b>Common Name</b>	<b>ESA Listing Status</b>	<b>Critical Habitat Type</b>
<i>Necturus lewisi</i>	Waterdog, Neuse River	Proposed Threatened	Proposed
<i>Neoleptoneta microps</i>	Spider, Government Canyon Bat Cave	Endangered	Final
<i>Neostapfia colusana</i>	Grass, Colusa	Threatened	Final
<i>Neraudia angulata</i>	No common name	Endangered	Final
<i>Neraudia ovata</i>	No common name	Endangered	Final
<i>Neraudia sericea</i>	No common name	Endangered	Final
<i>Newcombia cumingi</i>	Tree snail, Newcomb's	Endangered	Final
<i>Nitrophila mohavensis</i>	Niterwort, Amargosa	Endangered	Final
<i>Nothoestrum breviflorum</i>	`Aiea	Endangered	Final
<i>Nothoestrum peltatum</i>	`Aiea	Endangered	Final
<i>Nototrichium humile</i>	Kulu`i	Endangered	Final
<i>Notropis buccula</i>	Shiner, smalleye	Endangered	Final
<i>Notropis cahabae</i>	Shiner, Cahaba	Endangered	Proposed
<i>Notropis girardi</i>	Shiner, Arkansas River	Threatened	Final
<i>Notropis mekistocholas</i>	Shiner, Cape Fear	Endangered	Final
<i>Notropis oxyrhynchus</i>	Shiner, sharpnose	Endangered	Final
<i>Notropis simus pecosensis</i>	Shiner, Pecos bluntnose	Threatened	Final
<i>Notropis topeka (=tristis)</i>	Shiner, Topeka	Endangered	Final
<i>Noturus baileyi</i>	Madtom, smoky	Endangered	Final
<i>Noturus crypticus</i>	Madtom, chucky	Endangered	Final
<i>Noturus flavipinnis</i>	Madtom, yellowfin	Threatened	Final
<i>Noturus furiosus</i>	Madtom, Carolina	Proposed Endangered	Proposed
<i>Oarisma poweshiek</i>	skipperling, Poweshiek	Endangered	Final
<i>Obovaria subrotunda</i>	hickorynut, Round	Proposed Threatened	Proposed
<i>Oenothera deltoides ssp. howellii</i>	Evening-primrose, Antioch Dunes	Endangered	Final
<i>Oncorhynchus aguabonita whitei</i>	Trout, Little Kern golden	Threatened	Final
<i>Orcuttia inaequalis</i>	Orcutt grass, San Joaquin	Threatened	Final
<i>Orcuttia pilosa</i>	Orcutt grass, hairy	Endangered	Final
<i>Orcuttia tenuis</i>	Orcutt grass, slender	Threatened	Final
<i>Orcuttia viscida</i>	Orcutt grass, Sacramento	Endangered	Final

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<b>Scientific Name</b>	<b>Common Name</b>	<b>ESA Listing Status</b>	<b>Critical Habitat Type</b>
<i>Oreomystis bairdi</i>	Akikiki	Endangered	Final
<i>Oryzomys palustris natator</i>	Rice rat, Silver	Endangered	Final
<i>Ovis canadensis nelsoni</i>	Sheep, Peninsular bighorn	Endangered	Final
<i>Ovis canadensis sierrae</i>	Sheep, Sierra Nevada bighorn	Endangered	Final
<i>Oxyloma haydeni kanabensis</i>	Ambersnail, Kanab	Endangered	Proposed
<i>Oxytheca parishii</i> var. <i>goodmaniana</i>	oxytheca, Cushenbury	Endangered	Final
<i>Packera franciscana</i>	Ragwort, San Francisco Peaks	Threatened	Final
<i>Palaemonias ganteri</i>	Shrimp, Kentucky cave	Endangered	Final
<i>Palmeria dolei</i>	honeycreeper, (Akohekohe) crested	Endangered	Final
<i>Panicum fauriei</i> var. <i>carteri</i>	Panicgrass, Carter's	Endangered	Final
<i>Panicum niihauense</i>	Lau `ehu	Endangered	Final
<i>Panthera onca</i>	Jaguar	Endangered	Final
<i>Partulina semicarinata</i>	Snail, Lanai tree	Endangered	Final
<i>Partulina variabilis</i>	Snail, Lanai tree	Endangered	Final
<i>Pectis imberbis</i>	Chinch weed, beardless	Proposed Endangered	Proposed
<i>Pediocactus peeblesianus fickeiseniae</i>	Cactus, Fickeisen plains	Endangered	Final
<i>Penstemon debilis</i>	beardtongue, Parachute	Threatened	Final
<i>Pentachaeta lyonii</i>	Pentachaeta, Lyon's	Endangered	Final
<i>Peperomia subpetiolata</i>	`Ala `ala wai nui	Endangered	Final
<i>Percina antesella</i>	Darter, amber	Endangered	Final
<i>Percina aurolineata</i>	Darter, goldline	Threatened	Proposed
<i>Percina jenkinsi</i>	Logperch, Conasauga	Endangered	Final
<i>Percina pantherina</i>	Darter, leopard	Threatened	Final
<i>Percina tanasi</i>	Darter, snail	Threatened	Final
<i>Peromyscus gossypinus allapaticola</i>	Mouse, Key Largo cotton	Endangered	Proposed
<i>Peromyscus polionotus allophrys</i>	Mouse, Choctawhatchee beach	Endangered	Final
<i>Peromyscus polionotus ammobates</i>	Mouse, Alabama beach	Endangered	Final
<i>Peromyscus polionotus peninsularis</i>	Mouse, St. Andrew beach	Endangered	Final
<i>Peromyscus polionotus trissyllepsis</i>	Mouse, Perdido Key beach	Endangered	Final
<i>Peucedanum sandwicense</i>	Makou	Threatened	Final
<i>Phacelia submutica</i>	Phacelia, DeBeque	Threatened	Final
<i>Phyllostegia bracteata</i>	No common name	Endangered	Final

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<b>Scientific Name</b>	<b>Common Name</b>	<b>ESA Listing Status</b>	<b>Critical Habitat Type</b>
<i>Phyllostegia haliakalae</i>	No common name	Endangered	Final
<i>Phyllostegia hirsuta</i>	No common name	Endangered	Final
<i>Phyllostegia hispida</i>	No common name	Endangered	Final
<i>Phyllostegia kaalaensis</i>	No common name	Endangered	Final
<i>Phyllostegia knudsenii</i>	No common name	Endangered	Final
<i>Phyllostegia mannii</i>	No common name	Endangered	Final
<i>Phyllostegia mollis</i>	No common name	Endangered	Final
<i>Phyllostegia parviflora</i>	No common name	Endangered	Final
<i>Phyllostegia pilosa</i>	No common name	Endangered	Final
<i>Phyllostegia racemosa</i>	Kiponapona	Endangered	Final
<i>Phyllostegia renovans</i>	No common name	Endangered	Final
<i>Phyllostegia velutina</i>	No common name	Endangered	Final
<i>Phyllostegia waimeae</i>	No common name	Endangered	Proposed
<i>Phyllostegia warshaueri</i>	No common name	Endangered	Final
<i>Phyllostegia wawrana</i>	No common name	Endangered	Proposed
<i>Physaria douglasii ssp. tuplashensis</i>	Bladderpod, White Bluffs	Threatened	Final
<i>Physaria globosa</i>	Bladderpod, Short's	Endangered	Final
<i>Piperia yadonii</i>	Piperia, Yadon's	Endangered	Final
<i>Pipilo crissalis eremophilus</i>	Towhee, Inyo California	Threatened	Final
<i>Pittosporum halophilum</i>	Hoawa	Endangered	Final
<i>Pittosporum napaliense</i>	Ho`awa	Endangered	Final
<i>Pituophis melanoleucus lodingi</i>	Snake, black pine	Threatened	Final
<i>Plagopterus argentissimus</i>	Woundfin	Endangered	Final
<i>Plantago hawaiiensis</i>	Kuahiwi laukahi	Endangered	Final
<i>Plantago princeps</i>	Kuahiwi laukahi	Endangered	Final
<i>Platanthera holochila</i>	No common name	Endangered	Final
<i>Platydesma cornuta var. cornuta</i>	No common name	Endangered	Final
<i>Platydesma cornuta var. decurrens</i>	No common name	Endangered	Final
<i>Platydesma rostrata</i>	Pilo kea lau li`i	Endangered	Final
<i>Pleomele fernaldii</i>	Hala pepe	Endangered	Final
<i>Pleomele forbesii</i>	Hala pepe	Endangered	Final
<i>Pleomele hawaiiensis</i>	Hala pepe	Endangered	Final
<i>Plethodon neomexicanus</i>	Salamander, Jemez Mountains	Endangered	Final

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<b>Scientific Name</b>	<b>Common Name</b>	<b>ESA Listing Status</b>	<b>Critical Habitat Type</b>
<i>Pleurobema atearni</i>	Clubshell, Canoe Creek	Proposed Endangered	Proposed
<i>Pleurobema decisum</i>	Clubshell, southern	Endangered	Final
<i>Pleurobema furvum</i>	Pigtoe, dark	Endangered	Final
<i>Pleurobema georgianum</i>	Pigtoe, southern	Endangered	Final
<i>Pleurobema hanleyianum</i>	Pigtoe, Georgia	Endangered	Final
<i>Pleurobema perovatum</i>	Clubshell, ovate	Endangered	Final
<i>Pleurobema pyriforme</i>	Pigtoe, oval	Endangered	Final
<i>Pleurobema strodeanum</i>	Pigtoe, fuzzy	Threatened	Final
<i>Pleurocera foremani</i>	Hornsnail, rough	Endangered	Final
<i>Pleuronaia dolabelloides</i>	Pearlymussel, slabside	Endangered	Final
<i>Poa atropurpurea</i>	Bluegrass, San Bernardino	Endangered	Final
<i>Poa mannii</i>	Bluegrass, Mann's	Endangered	Proposed
<i>Poa sandvicensis</i>	Bluegrass, Hawaiian	Endangered	Final
<i>Poa siphonoglossa</i>	No common name	Endangered	Proposed
<i>Polioptila californica californica</i>	Gnatcatcher, coastal California	Threatened	Final
<i>Polygonum hickmanii</i>	Polygonum, Scotts Valley	Endangered	Final
<i>Polyscias bisattenuata</i>	No common name	Endangered	Final
<i>Polyscias flynnii</i>	No common name	Endangered	Final
<i>Polyscias gymnocarpa</i>	`Ohe`ohe	Endangered	Final
<i>Polyscias lydgatei</i>	No common name	Endangered	Final
<i>Polyscias racemosa</i>	No common name	Endangered	Final
<i>Polysticta stelleri</i>	Eider, Steller's	Threatened	Final
<i>Portulaca sclerocarpa</i>	Po`e	Endangered	Final
<i>Pritchardia napaliensis</i>	Lo`ulu	Endangered	Final
<i>Pritchardia remota</i>	Lo`ulu	Endangered	Final
<i>Pritchardia viscosa</i>	Lo`ulu	Endangered	Final
<i>Pseudemys rubriventris bangsi</i>	Turtle, Plymouth Redbelly	Endangered	Final
<i>Pseudonestor xanthophrys</i>	parrotbill, Maui (Kiwikiu)	Endangered	Final
<i>Pseudotryonia adamantina</i>	Tryonia, Diamond	Endangered	Final
<i>Psychotria grandiflora</i>	Kopiko	Endangered	Final
<i>Psychotria hexandra ssp. oahuensis</i>	Kopiko	Endangered	Final
<i>Psychotria hobdyi</i>	Kopiko	Endangered	Final

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<b>Scientific Name</b>	<b>Common Name</b>	<b>ESA Listing Status</b>	<b>Critical Habitat Type</b>
<i>Pteralyxia kauaiensis</i>	Kaulu	Endangered	Final
<i>Pteralyxia macrocarpa</i>	Kaulu	Endangered	Final
<i>Pteris lidgatei</i>	No common name	Endangered	Final
<i>Pteropus mariannus mariannus</i>	Bat, Mariana fruit (=Mariana flying fox)	Threatened	Final
<i>Ptychobranthus greenii</i>	Kidneyshell, triangular	Endangered	Final
<i>Ptychobranthus jonesi</i>	Kidneyshell, southern	Endangered	Final
<i>Ptychobranthus subtentus</i>	Kidneyshell, fluted	Endangered	Final
<i>Ptychocheilus lucius</i>	Pikeminnow (=squawfish), Colorado	Endangered	Final
<i>Pyrgulopsis bernardina</i>	springsnail, San Bernardino	Threatened	Final
<i>Pyrgulopsis chupaderae</i>	Springsnail, Chupadera	Endangered	Final
<i>Pyrgulopsis roswellensis</i>	Springsnail, Roswell	Endangered	Final
<i>Pyrgulopsis texana</i>	Springsnail, Phantom	Endangered	Final
<i>Pyrgulopsis trivialis</i>	Springsnail, Three Forks	Endangered	Final
<i>Pyrgus ruralis lagunae</i>	Skipper, Laguna Mountains	Endangered	Final
<i>Quadrula cylindrica cylindrica</i>	Rabbitsfoot	Threatened	Final
<i>Quadrula cylindrica strigillata</i>	Rabbitsfoot, rough	Endangered	Final
<i>Rana chiricahuensis</i>	Frog, Chiricahua leopard	Threatened	Final
<i>Rana draytonii</i>	Frog, California red-legged	Threatened	Final
<i>Rana muscosa</i>	Frog, mountain yellow-legged	Endangered	Final
<i>Rana muscosa</i>	Frog, mountain yellow-legged	Endangered	Final
<i>Rana pretiosa</i>	Frog, Oregon spotted	Threatened	Final
<i>Rana sevosa</i>	Frog, dusky gopher	Endangered	Final
<i>Rana sierrae</i>	Frog, Sierra Nevada Yellow-legged	Endangered	Final
<i>Rangifer tarandus caribou</i>	Caribou, Woodland	Endangered	Final
<i>Remya kauaiensis</i>	No common name	Endangered	Proposed
<i>Remya mauiensis</i>	Remya, Maui	Endangered	Final
<i>Remya montgomeryi</i>	No common name	Endangered	Proposed
<i>Rhadine exilis</i>	Beetle, [no common name]	Endangered	Final
<i>Rhadine infernalis</i>	Beetle, [no common name]	Endangered	Final
<i>Rhinichthys osculus nevadensis</i>	Dace, Ash Meadows speckled	Endangered	Final
<i>Rostrhamus sociabilis plumbeus</i>	Kite, Everglade snail	Endangered	Final
<i>Salmo salar</i>	Salmon, Atlantic	Endangered	Final
<i>Salvelinus confluentus</i>	Trout, bull	Threatened	Final

**Appendix A.2 - Designated Critical Habitat List Provided by U.S. Fish and Wildlife Service on December 7, 2020**

<b>Scientific Name</b>	<b>Common Name</b>	<b>ESA Listing Status</b>	<b>Critical Habitat Type</b>
<i>Sanicula mariversa</i>	No common name	Endangered	Final
<i>Sanicula purpurea</i>	No common name	Endangered	Final
<i>Santalum haleakalae</i> var. <i>lanaiense</i>	Sandalwood, Lanai (=`iliahi)	Endangered	Final
<i>Scaphirhynchus suttkusi</i>	Sturgeon, Alabama	Endangered	Final
<i>Schenkia sebaeoides</i>	Awiwi	Endangered	Final
<i>Schiedea apokremnos</i>	Ma`oli`oli	Endangered	Proposed
<i>Schiedea attenuata</i>	No common name	Endangered	Final
<i>Schiedea haleakalensis</i>	No common name	Endangered	Final
<i>Schiedea helleri</i>	No common name	Endangered	Proposed
<i>Schiedea hookeri</i>	No common name	Endangered	Final
<i>Schiedea jacobii</i>	No common name	Endangered	Final
<i>Schiedea kaalae</i>	No common name	Endangered	Final
<i>Schiedea kauaiensis</i>	No common name	Endangered	Proposed
<i>Schiedea kealiae</i>	Ma`oli`oli	Endangered	Final
<i>Schiedea laui</i>	No common name	Endangered	Final
<i>Schiedea lychnooides</i>	Kuawawaenuhu	Endangered	Proposed
<i>Schiedea lydgatei</i>	No common name	Endangered	Final
<i>Schiedea membranacea</i>	No common name	Endangered	Proposed
<i>Schiedea nuttallii</i>	No common name	Endangered	Final
<i>Schiedea obovata</i>	No common name	Endangered	Final
<i>Schiedea salicaria</i>	No common name	Endangered	Final
<i>Schiedea sarmentosa</i>	No common name	Endangered	Final
<i>Schiedea spergulina</i> var. <i>leiopoda</i>	No common name	Endangered	Final
<i>Schiedea spergulina</i> var. <i>spergulina</i>	No common name	Threatened	Proposed
<i>Schiedea stellarioides</i>	Lauhilihi	Endangered	Final
<i>Schiedea trinervis</i>	No common name	Endangered	Final
<i>Schiedea verticillata</i>	No common name	Endangered	Final
<i>Schiedea viscosa</i>	No common name	Endangered	Proposed
<i>Schoenocrambe suffrutescens</i>	Reed-mustard, shrubby	Endangered	Proposed
<i>Sesbania tomentosa</i>	Ohai	Endangered	Final
<i>Setophaga angelae</i>	Warbler, elfin-woods	Threatened	Final
<i>Sicyos albus</i>	`Anunu	Endangered	Final
<i>Sidalcea keckii</i>	Checker-mallow, Keck's	Endangered	Final

**Appendix A.2 - Designated Critical Habitat List Provided by U.S. Fish and Wildlife Service on December 7, 2020**

<b>Scientific Name</b>	<b>Common Name</b>	<b>ESA Listing Status</b>	<b>Critical Habitat Type</b>
<i>Sidalcea oregana</i> var. <i>calva</i>	Checkermallow, Wenatchee Mountains	Endangered	Final
<i>Silene alexandri</i>	No common name	Endangered	Final
<i>Silene hawaiiensis</i>	No common name	Threatened	Final
<i>Silene lanceolata</i>	No common name	Endangered	Final
<i>Silene perlmanii</i>	No common name	Endangered	Final
<i>Silene spaldingii</i>	Catchfly, Spalding's	Threatened	Proposed
<i>Solanum conocarpum</i>	Bacora, marron	Proposed Endangered	Proposed
<i>Solanum incompletum</i>	Popolo ku mai	Endangered	Final
<i>Solanum sandwicense</i>	`Aiakeakua, popolo	Endangered	Final
<i>Somateria fischeri</i>	Eider, spectacled	Threatened	Final
<i>Somatochlora hineana</i>	Dragonfly, Hine's emerald	Endangered	Final
<i>Sorex ornatus relictus</i>	Shrew, Buena Vista Lake ornate	Endangered	Final
<i>Spelaeorchestia koloana</i>	Amphipod, Kauai cave	Endangered	Final
<i>Speoplatyrhinus poulsoni</i>	Cavefish, Alabama	Endangered	Final
<i>Spermolepis hawaiiensis</i>	No common name	Endangered	Final
<i>Speyeria callippe callippe</i>	Butterfly, callippe silverspot	Endangered	Proposed
<i>Speyeria zerene hippolyta</i>	Butterfly, Oregon silverspot	Threatened	Final
<i>Sphaeralcea gierischii</i>	mallow, Gierisch	Endangered	Final
<i>Stenogyne bifida</i>	No common name	Endangered	Final
<i>Stenogyne campanulata</i>	No common name	Endangered	Proposed
<i>Stenogyne kanehoana</i>	No common name	Endangered	Final
<i>Stenogyne kauaulaensis</i>	No common name	Endangered	Final
<i>Stenogyne kealiae</i>	No common name	Endangered	Final
<i>Stephanomeria malheurensis</i>	Wire-lettuce, Malheur	Endangered	Final
<i>Streptocephalus woottoni</i>	Fairy shrimp, Riverside	Endangered	Final
<i>Strix occidentalis caurina</i>	Owl, northern spotted	Threatened	Proposed
<i>Strix occidentalis caurina</i>	Owl, northern spotted	Threatened	Final
<i>Strix occidentalis lucida</i>	Owl, Mexican spotted	Threatened	Final
<i>Strymon acis bartrami</i>	Butterfly, Bartram's hairstreak	Endangered	Final
<i>Stygobromus (=Stygonectes) pecki</i>	Amphipod, Peck's cave	Endangered	Final
<i>Stygoparnus comalensis</i>	Beetle, Comal Springs dryopid	Endangered	Final
<i>Tamiasciurus hudsonicus grahamensis</i>	Squirrel, Mount Graham red	Endangered	Final

**Appendix A.2 - Designated Critical Habitat List Provided by U.S. Fish and Wildlife Service on December 7, 2020**

<b>Scientific Name</b>	<b>Common Name</b>	<b>ESA Listing Status</b>	<b>Critical Habitat Type</b>
<i>Taraxacum californicum</i>	Taraxacum, California	Endangered	Final
<i>Tetramolopium arenarium</i>	No common name	Endangered	Proposed
<i>Tetramolopium capillare</i>	Pamakani	Endangered	Final
<i>Tetramolopium filiforme</i>	No common name	Endangered	Final
<i>Tetramolopium lepidotum ssp. lepidotum</i>	No common name	Endangered	Final
<i>Tetramolopium remyi</i>	No common name	Endangered	Final
<i>Tetramolopium rockii</i>	No common name	Threatened	Final
<i>Texella cokendolpheri</i>	Harvestman, Cokendolpher Cave	Endangered	Final
<i>Thamnophis eques megalops</i>	gartersnake, northern Mexican	Threatened	Proposed
<i>Thamnophis rufipunctatus</i>	gartersnake, narrow-headed	Threatened	Proposed
<i>Thlaspi californicum</i>	Penny-cress, Kneeland Prairie	Endangered	Final
<i>Thomomys mazama glacialis</i>	Pocket gopher, Roy Prairie	Threatened	Final
<i>Thomomys mazama pugetensis</i>	Pocket gopher, Olympia	Threatened	Final
<i>Thomomys mazama tumuli</i>	Pocket gopher, Tenino	Threatened	Final
<i>Thomomys mazama yelmensis</i>	Pocket gopher, Yelm	Threatened	Final
<i>Tiaroga cobitis</i>	Minnow, loach	Endangered	Final
<i>Trematolobelia singularis</i>	No common name	Endangered	Final
<i>Trichechus manatus</i>	Manatee, West Indian	Threatened	Final
<i>Trichomanes punctatum ssp. floridanum</i>	fern, Florida bristle	Endangered	Proposed
<i>Trimerotropis infantilis</i>	Grasshopper, Zayante band-winged	Endangered	Final
<i>Tryonia cheatumi</i>	Tryonia, Phantom	Endangered	Final
<i>Tryonia circumstriata (=stocktonensis)</i>	Tryonia, Gonzales	Endangered	Final
<i>Tuctoria greenei</i>	Tuctoria, Greene's	Endangered	Final
<i>Tuctoria mucronata</i>	Grass, Solano	Endangered	Final
<i>Uma inornata</i>	Lizard, Coachella Valley fringe-toed	Threatened	Final
<i>Urera kaalae</i>	Opuhe	Endangered	Final
<i>Urocyon littoralis catalinae</i>	Fox, Santa Catalina Island	Threatened	Final
<i>Ursus arctos horribilis</i>	Bear, grizzly	Threatened	Proposed
<i>Ursus maritimus</i>	Bear, polar	Threatened	Final
<i>Varronia rupicola</i>	No common name	Threatened	Final
<i>Vigna o-wahuensis</i>	No common name	Endangered	Final

**Appendix A.2 - Designated Critical Habitat List Provided by U.S. Fish and Wildlife Service on December 7, 2020**

<b>Scientific Name</b>	<b>Common Name</b>	<b>ESA Listing Status</b>	<b>Critical Habitat Type</b>
<i>Villosa choctawensis</i>	Bean, Choctaw	Endangered	Final
<i>Villosa perpurpurea</i>	Bean, purple	Endangered	Final
<i>Viola chamissoniana ssp. chamissoniana</i>	Pamakani	Endangered	Final
<i>Viola helenae</i>	No common name	Endangered	Final
<i>Viola kauaiensis var. wahiawaensis</i>	Nani wai`ale`ale	Endangered	Proposed
<i>Viola lanaiensis</i>	No common name	Endangered	Final
<i>Viola oahuensis</i>	No common name	Endangered	Final
<i>Vireo bellii pusillus</i>	Vireo, least Bell's	Endangered	Final
<i>Wikstroemia villosa</i>	No common name	Endangered	Final
<i>Wilkesia hobyi</i>	Iliau, dwarf	Endangered	Proposed
<i>Xylosma crenatum</i>	No common name	Endangered	Proposed
<i>Xyrauchen texanus</i>	Sucker, razorback	Endangered	Final
<i>Yermo xanthocephalus</i>	Yellowhead, desert	Threatened	Final
<i>Zanthoxylum dipetalum var. tomentosum</i>	A`e	Endangered	Final
<i>Zanthoxylum hawaiiense</i>	A`e	Endangered	Final
<i>Zanthoxylum oahuense</i>	A`e	Endangered	Final
<i>Zapus hudsonius luteus</i>	Mouse, New Mexico meadow jumping	Endangered	Final
<i>Zapus hudsonius preblei</i>	Mouse, Preble's meadow jumping	Threatened	Final
<i>Zizania texana</i>	Wild-rice, Texas	Endangered	Final
<i>Zosterops rotensis</i>	White-eye, Rota bridled	Endangered	Final

**Appendix B – Species List Provided by the National Marine Fisheries Service on  
December 1, 2020 (accessed on December 13, 2020)**



# Species Directory

[All Species](#)[ESA Threatened & Endangered](#)[Marine Mammals](#)[Sustainable Fisheries](#)

## ESA Threatened & Endangered

NOAA Fisheries has jurisdiction over 165 endangered and threatened marine species (80 endangered; 85 threatened), including 66 foreign species (40 endangered; 26 threatened).

Additional species are currently under review or have been proposed for Endangered Species Act listing: [2 petitioned species](#) awaiting a 90-day finding, [12 candidate species](#) for ESA listing, [0 proposed species](#) for ESA listing.

### Species Name

### Species Category

### Status

### Region

Display All

---

## Acropora globiceps coral

*Acropora globiceps*

### SPECIES CATEGORY

Invertebrates

Corals

### DPS OR SUBSPECIES

Throughout Its Range

### STATUS

ESA Threatened

### YEAR LISTED

2014

### RECOVERY PLAN

Under Development

### CRITICAL HABITAT

-

### REGION

Pacific Islands

---

## Acropora jacquelineae coral

*Acropora jacquelineae*

### SPECIES CATEGORY

Invertebrates

Corals

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Threatened

**YEAR LISTED**

2014

**RECOVERY PLAN**

Under Development

**CRITICAL HABITAT**

-

**REGION**

Pacific Islands

---

**Acropora lokani coral***Acropora lokani***SPECIES CATEGORY**

Invertebrates

Corals

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Threatened - Foreign

**YEAR LISTED**

2014

**RECOVERY PLAN**

Under Development

**CRITICAL HABITAT**

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**Acropora pharaonis coral***Acropora pharaonis***SPECIES CATEGORY**

Invertebrates

Corals

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Threatened - Foreign

**YEAR LISTED**

2014

**RECOVERY PLAN**

Under Development

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**Acropora retusa coral***Acropora retusa***SPECIES CATEGORY**

Invertebrates

Corals

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Threatened

**YEAR LISTED**

2014

**RECOVERY PLAN**

Under Development

**CRITICAL HABITAT**

-

**REGION**

Pacific Islands

---

**Acropora rudis coral**

*Acropora rudis*

**SPECIES CATEGORY**

Invertebrates

Corals

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Threatened - Foreign

**YEAR LISTED**

2014

**RECOVERY PLAN**

Under Development

**CRITICAL HABITAT**

**REGION**Foreign

---

**Acropora speciosa coral***Acropora speciosa***SPECIES CATEGORY**

Invertebrates

Corals

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Threatened

**YEAR LISTED**

2014

**RECOVERY PLAN**

Under Development

**CRITICAL HABITAT**

-

**REGION**Pacific Islands

---

**Acropora tenella coral***Acropora tenella***SPECIES CATEGORY**

Invertebrates

Corals

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Threatened - Foreign

**YEAR LISTED**

2014

**RECOVERY PLAN**

Under Development

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**Adriatic Sturgeon***Acipenser naccarii***SPECIES CATEGORY**

Fish

Protected Fish

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Endangered - Foreign

**YEAR LISTED**

2014

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

**REGION**

Foreign

**African Coelacanth***Latimeria chalumnae***SPECIES CATEGORY**

Fish

Protected Fish

**DPS OR SUBSPECIES**

Tanzanian DPS

**STATUS**

ESA Threatened - Foreign

**YEAR LISTED**

2016

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

**Anacropora spinosa coral***Anacropora spinosa***SPECIES CATEGORY**

Invertebrates

Corals

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Threatened - Foreign

**YEAR LISTED**

2014

**RECOVERY PLAN**

Under Development

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**Argentine Angelshark**

*Squatina argentina*

**SPECIES CATEGORY**

Fish

Protected Fish

Sharks

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Endangered - Foreign

**YEAR LISTED**

2017

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

**REGION**

Foreign

**Atlantic Salmon (Protected)***Salmo salar***SPECIES CATEGORY**

Fish

Protected Fish

Salmon &amp; Steelhead

**DPS OR SUBSPECIES**

Gulf of Maine DPS

**STATUS**

ESA Endangered

**YEAR LISTED**

2009 (expanded); 2000 (original)

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

New England/Mid-Atlantic

**Atlantic Sturgeon***Acipenser oxyrinchus oxyrinchus***SPECIES CATEGORY**

Fish

Protected Fish

**DPS OR SUBSPECIES**

Carolina DPS

**STATUS**

ESA Endangered

**YEAR LISTED**

2012

**RECOVERY PLAN**

Under Development

**CRITICAL HABITAT**

Final

**REGION**

New England/Mid-Atlantic

Southeast

---

**DPS OR SUBSPECIES**

Chesapeake Bay DPS

**STATUS**

ESA Endangered

**YEAR LISTED**

2012

**RECOVERY PLAN**

Under Development

**CRITICAL HABITAT**

Final

**REGION**

New England/Mid-Atlantic

Southeast

---

**DPS OR SUBSPECIES**

New York Bight DPS

**STATUS**

ESA Endangered

**YEAR LISTED**

2012

**RECOVERY PLAN**

Under Development

**CRITICAL HABITAT**

Final

**REGION**

New England/Mid-Atlantic

Southeast

---

**DPS OR SUBSPECIES**

South Atlantic DPS

**STATUS**

ESA Endangered

**YEAR LISTED**

2012

**RECOVERY PLAN**

Under Development

**CRITICAL HABITAT**

Final

**REGION**

New England/Mid-Atlantic

Southeast

**DPS OR SUBSPECIES**

Gulf of Maine DPS

**STATUS**

ESA Threatened

**YEAR LISTED**

2012

**RECOVERY PLAN**

Under Development

**CRITICAL HABITAT**

Final

**REGION**

New England/Mid-Atlantic

Southeast

---

**Banggai Cardinalfish***Pterapogon kauderni***SPECIES CATEGORY**

Fish

Protected Fish

Reef Fish

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Threatened - Foreign

**YEAR LISTED**

2016

**RECOVERY PLAN**

-----

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**Bearded Seal**

*Erignathus barbatus*

**SPECIES CATEGORY**

Seals & Sea Lions

**DPS OR SUBSPECIES**

Beringia DPS

**STATUS**

ESA Threatened

**YEAR LISTED**

2012

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Alaska

---

**DPS OR SUBSPECIES**

Okhotsk DPS

**STATUS**

ESA Threatened - Foreign

-----

**YEAR LISTED**

2012

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**Beluga Whale**

*Delphinapterus leucas*

**SPECIES CATEGORY**

Whales

**DPS OR SUBSPECIES**

Cook Inlet DPS

**STATUS**

ESA Endangered

**YEAR LISTED**

2008

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

Alaska

---

**Black Abalone**

*Haliotis cracherodii*

**SPECIES CATEGORY**

Invertebrates

Abalone

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Endangered

**YEAR LISTED**

2009

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

West Coast

---

**Blackchin Guitarfish***Rhinobatos cemiculus***SPECIES CATEGORY**

Fish

Protected Fish

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Threatened - Foreign

**YEAR LISTED**

2017

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**Blue Whale**

*Balaenoptera musculus*

**SPECIES CATEGORY**

Whales

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Endangered

**YEAR LISTED**

1970

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

-

**REGION**

Alaska

New England/Mid-Atlantic

Pacific Islands

Southeast

West Coast

**Bocaccio (Protected)***Sebastes paucispinis***SPECIES CATEGORY**

Fish

Protected Fish

**DPS OR SUBSPECIES**

Puget Sound/Georgia Basin DPS

**STATUS**

ESA Endangered

**YEAR LISTED**

2010

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

Alaska

West Coast

---

**Boulder Star Coral***Orbicella franksi***SPECIES CATEGORY**

Invertebrates

Corals

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Threatened

**YEAR LISTED**

2014

**RECOVERY PLAN**

Under Development

**CRITICAL HABITAT**

-

**REGION**

Southeast

---

**Bowhead Whale***Balaena mysticetus***SPECIES CATEGORY**

Whales

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Endangered

**YEAR LISTED**

1970

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Alaska

---

**Brazilian Guitarfish**

*Rhinobatos horkelii***SPECIES CATEGORY**

Fish

Protected Fish

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Endangered - Foreign

**YEAR LISTED**

2017

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**Bryde's Whale***Balaenoptera edeni***SPECIES CATEGORY**

Whales

**DPS OR SUBSPECIES**

Gulf of Mexico subspecies

**STATUS**

ESA Endangered

**YEAR LISTED**

2019

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Southeast

---

**Cantharellus noumeae coral***Cantharellus noumeae***SPECIES CATEGORY**

Invertebrates

Corals

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Endangered - Foreign

**YEAR LISTED**

2015

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**Chambered Nautilus**

*Nautilus pompilius***SPECIES CATEGORY**

Invertebrates

Other

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Threatened

**YEAR LISTED**

2018

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

Not Prudent

**REGION**

Pacific Islands

---

**Chinese River Dolphin***Lipotes vexillifer***SPECIES CATEGORY**

Dolphins &amp; Porpoises

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Endangered - Foreign

**YEAR LISTED**

**YEAR LISTED**

1989

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**Chinese Sturgeon***Acipenser sinensis***SPECIES CATEGORY**

Fish

Protected Fish

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Endangered - Foreign

**YEAR LISTED**

2014

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**Chinook Salmon (Protected)**

*Oncorhynchus tshawytscha*

**SPECIES CATEGORY**

Fish  
Protected Fish  
Salmon & Steelhead

**DPS OR SUBSPECIES**

Sacramento River winter-run

**STATUS**

ESA Endangered

**YEAR LISTED**

1994

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

Alaska  
West Coast

---

**DPS OR SUBSPECIES**

Upper Columbia River spring-run

**STATUS**

ESA Endangered

**YEAR LISTED**

1999

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

Alaska

West Coast

---

**DPS OR SUBSPECIES**

California coastal

**STATUS**

ESA Threatened

**YEAR LISTED**

1999

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

Alaska

West Coast

---

**DPS OR SUBSPECIES**

Central Valley spring-run

**STATUS**

ESA Threatened

**YEAR LISTED**

1999

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

Alaska

West Coast

---

**DPS OR SUBSPECIES**

Lower Columbia River

**STATUS**

ESA Threatened

**YEAR LISTED**

1999

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

Alaska  
West Coast

---

**DPS OR SUBSPECIES**

Puget Sound

**STATUS**

ESA Threatened

**YEAR LISTED**

1999

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

Alaska

West Coast

---

**DPS OR SUBSPECIES**

Snake River fall-run

**STATUS**

ESA Threatened

**YEAR LISTED**

1992

**RECOVERY PLAN**

Final

Final

**CRITICAL HABITAT**

Final

**REGION**

Alaska

West Coast

---

**DPS OR SUBSPECIES**

Snake River spring/summer-run

**STATUS**

ESA Threatened

**YEAR LISTED**

1992

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

Alaska

West Coast

---

**DPS OR SUBSPECIES**

Upper Willamette River

**STATUS**

ESA Threatened

ESA Threatened

**YEAR LISTED**

2005

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

Alaska

West Coast

---

**DPS OR SUBSPECIES**

Upper Klamath-Trinity River

**STATUS**

ESA Candidate

**YEAR LISTED**

-

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Alaska

West Coast

West Coast

---

**DPS OR SUBSPECIES**

Oregon Coast spring-run

**STATUS**

ESA Candidate

**YEAR LISTED**

-

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

West Coast

---

**DPS OR SUBSPECIES**

Central Valley spring-run in the San Joaquin River XN

**STATUS**

ESA Experimental Population

**YEAR LISTED**

-

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Alaska  
West Coast

---

**DPS OR SUBSPECIES**

Upper Columbia River spring-run in the Okanogan River subbasin XN

**STATUS**

ESA Experimental Population

**YEAR LISTED**

-

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Alaska  
West Coast

---

**Chum Salmon (Protected)**

*Oncorhynchus keta*

**SPECIES CATEGORY**

Fish  
Protected Fish  
Salmon & Steelhead

**DPS OR SUBSPECIES**

Columbia River ESU

**STATUS**

ESA Threatened

**YEAR LISTED**

1999

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

Alaska

West Coast

**DPS OR SUBSPECIES**

Hood Canal summer-run ESU

**STATUS**

ESA Threatened

**YEAR LISTED**

1999

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

Alaska

West Coast

**Coho Salmon (Protected)***Oncorhynchus kisutch***SPECIES CATEGORY**

Fish  
Protected Fish  
Salmon & Steelhead

**DPS OR SUBSPECIES**

Central California coast ESU

**STATUS**

ESA Endangered

**YEAR LISTED**

2005; 1996 (original)

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

Alaska  
West Coast

---

**DPS OR SUBSPECIES**

Lower Columbia River ESU

**STATUS**

ESA Threatened

**YEAR LISTED**

2005

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

Alaska

West Coast

---

**DPS OR SUBSPECIES**

Oregon coast ESU

**STATUS**

ESA Threatened

**YEAR LISTED**

2008

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

Alaska

West Coast

---

**DPS OR SUBSPECIES**

Southern Oregon & Northern California coasts ESU

**STATUS**

ESA Threatened

**YEAR LISTED**

1997

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

Alaska

West Coast

**Common Angelshark**

*Squatina squatina*

**SPECIES CATEGORY**

Fish

Protected Fish

Sharks

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Endangered - Foreign

**YEAR LISTED**

2016

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

## Common Guitarfish

*Rhinobatos rhinobatos*

### SPECIES CATEGORY

Fish

Protected Fish

### DPS OR SUBSPECIES

Throughout Its Range

### STATUS

ESA Threatened - Foreign

### YEAR LISTED

2017

### RECOVERY PLAN

-

### CRITICAL HABITAT

-

### REGION

Foreign

---

## Daggernose Shark

*Isogomphodon oxyrinchus*

### SPECIES CATEGORY

Fish

Protected Fish

Sharks

### DPS OR SUBSPECIES

Throughout Its Range

### STATUS

ESA Endangered - Foreign

ESA Endangered Foreign

**YEAR LISTED**

2017

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**Dusky Sea Snake**

*Aipysurus fuscus*

**SPECIES CATEGORY**

Plants/Other

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Endangered - Foreign

**YEAR LISTED**

2015

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

## Dwarf Sawfish

*Pristis clavata*

### SPECIES CATEGORY

Fish

Protected Fish

### DPS OR SUBSPECIES

Throughout Its Range

### STATUS

ESA Endangered - Foreign

### YEAR LISTED

2014

### RECOVERY PLAN

-

### CRITICAL HABITAT

-

### REGION

Foreign

---

## Elkhorn Coral

*Acropora palmata*

### SPECIES CATEGORY

Invertebrates

Corals

### DPS OR SUBSPECIES

Throughout Its Range

STATUS

**STATUS**

ESA Threatened

**YEAR LISTED**

2006

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

Southeast

---

**Eulachon***Thaleichthys pacificus***SPECIES CATEGORY**

Fish

Protected Fish

**DPS OR SUBSPECIES**

Southern DPS

**STATUS**

ESA Threatened

**YEAR LISTED**

2010

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

Alaska

Alaska

West Coast

---

## Euphyllia paradivisa coral

*Euphyllia paradivisa***SPECIES CATEGORY**

Invertebrates

Corals

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Threatened

**YEAR LISTED**

2014

**RECOVERY PLAN**

Under Development

**CRITICAL HABITAT**

-

**REGION**

Pacific Islands

---

## European Sturgeon

*Acipenser sturio***SPECIES CATEGORY**

Fish

Protected Fish

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Endangered - Foreign

**YEAR LISTED**

2014

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**False Killer Whale**

*Pseudorca crassidens*

**SPECIES CATEGORY**

Whales

Dolphins & Porpoises

**DPS OR SUBSPECIES**

Main Hawaiian Islands Insular DPS

**STATUS**

ESA Endangered

**YEAR LISTED**

2012

**RECOVERY PLAN**

Draft

**CRITICAL HABITAT**

Final

**REGION**

Pacific Islands

Pacific Islands

---

**Fin Whale***Balaenoptera physalus***SPECIES CATEGORY**

Whales

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Endangered

**YEAR LISTED**

1970

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

-

**REGION**

Alaska

New England/Mid-Atlantic

Pacific Islands

Southeast

West Coast

---

**Giant Manta Ray***Manta birostris***SPECIES CATEGORY**

Fish

Protected Fish

**DPS OR SUBSPECIES**

Threatened

Throughout Its Range

**STATUS**

ESA Threatened

**YEAR LISTED**

2018

**RECOVERY PLAN**

Under Development

**CRITICAL HABITAT**

Not Prudent

**REGION**

New England/Mid-Atlantic

Pacific Islands

Southeast

---

**Gray Whale**

*Eschrichtius robustus*

**SPECIES CATEGORY**

Whales

**DPS OR SUBSPECIES**

Western North Pacific DPS

**STATUS**

ESA Endangered - Foreign

**YEAR LISTED**

1994; 1970 (original)

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

**CRITICAL HABITAT**

-

**REGION**

Alaska

West Coast

**Green Sawfish**

*Pristis zijsron*

**SPECIES CATEGORY**

Fish

Protected Fish

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Endangered - Foreign

**YEAR LISTED**

2014

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

**Green Sturgeon**

*Acipenser medirostris*

**SPECIES CATEGORY**

Fish

Protected Fish

**DPS OR SUBSPECIES**

Southern DPS

**STATUS**

ESA Threatened

**YEAR LISTED**

2006

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

Alaska

West Coast

---

**Green Turtle**

*Chelonia mydas*

**SPECIES CATEGORY**

Sea Turtles

**DPS OR SUBSPECIES**

Central South Pacific DPS

**STATUS**

ESA Endangered

**YEAR LISTED**

2016

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

-

**REGION**

Pacific Islands

---

**DPS OR SUBSPECIES**

Central West Pacific DPS

**STATUS**

ESA Endangered

**YEAR LISTED**

2016

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

-

**REGION**

Pacific Islands

---

**DPS OR SUBSPECIES**

Mediterranean DPS

**STATUS**

ESA Endangered - Foreign

**YEAR LISTED**

2016

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**DPS OR SUBSPECIES**

Central North Pacific DPS

**STATUS**

ESA Threatened

**YEAR LISTED**

2016

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

-

**REGION**

Pacific Islands

---

**DPS OR SUBSPECIES**

East Pacific DPS

**STATUS**

ESA Threatened

**YEAR LISTED**

2016

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

-

**REGION**

West Coast

---

**DPS OR SUBSPECIES**

North Atlantic DPS

**STATUS**

ESA Threatened

**YEAR LISTED**

2016

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

New England/Mid-Atlantic  
Southeast

---

**DPS OR SUBSPECIES**

South Atlantic DPS

**STATUS**

ESA Threatened

**YEAR LISTED**

2016

**RECOVERY PLAN**

Final

Final

**CRITICAL HABITAT**

-

**REGION**

Southeast

---

**DPS OR SUBSPECIES**

East Indian-West Pacific DPS

**STATUS**

ESA Threatened - Foreign

**YEAR LISTED**

2016

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**DPS OR SUBSPECIES**

North Indian DPS

**STATUS**

ESA Threatened - Foreign

**YEAR LISTED**

2016

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**DPS OR SUBSPECIES**

Southwest Indian DPS

**STATUS**

ESA Threatened - Foreign

**YEAR LISTED**

2016

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**DPS OR SUBSPECIES**

Southwest Pacific DPS

**STATUS**

ESA Threatened - Foreign

**YEAR LISTED**

2016

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**Guadalupe Fur Seal***Arctocephalus townsendi***SPECIES CATEGORY**

Seals &amp; Sea Lions

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Threatened

**YEAR LISTED**

1985

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Alaska

West Coast

---

**Gulf Grouper***Mycteroperca jordani***SPECIES CATEGORY**

Fish

Protected Fish

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Endangered

**YEAR LISTED**

2016

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

No

**REGION**

West Coast

---

**Gulf Sturgeon**

*Acipenser oxyrinchus desotoi*

**SPECIES CATEGORY**

Fish

Protected Fish

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Threatened

**YEAR LISTED**

1991

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

Southeast

---

**Gulf of Mexico Bryde's Whale***Balaenoptera edeni* (GoM subspecies)**SPECIES CATEGORY**

Whales

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Endangered

**YEAR LISTED**

2019

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Southeast

---

**Hawaiian Monk Seal***Neomonachus schauinslandi***SPECIES CATEGORY**

Seals &amp; Sea Lions

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Endangered

**YEAR LISTED**

1976

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

Pacific Islands

---

**Hawksbill Turtle**

*Eretmochelys imbricata*

**SPECIES CATEGORY**

Sea Turtles

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Endangered

**YEAR LISTED**

1970

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

Pacific Islands

Southeast

West Coast

Foreign

---

## Hector's Dolphin

*Cephalorhynchus hectori*

### SPECIES CATEGORY

Dolphins & Porpoises

### DPS OR SUBSPECIES

Maui's dolphin subspecies

### STATUS

ESA Endangered - Foreign

### YEAR LISTED

2017

### RECOVERY PLAN

-

### CRITICAL HABITAT

-

### REGION

Foreign

---

### DPS OR SUBSPECIES

South Island Hector's dolphin subspecies

### STATUS

ESA Threatened - Foreign

### YEAR LISTED

2017

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**Humpback Whale***Megaptera novaeangliae***SPECIES CATEGORY**

Whales

**DPS OR SUBSPECIES**

Central America DPS

**STATUS**

ESA Endangered

**YEAR LISTED**

2016

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Proposed

**REGION**

West Coast

---

**DPS OR SUBSPECIES**

Western North Pacific DPS

**STATUS**

ESA Endangered

**YEAR LISTED**

2016

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Proposed

**REGION**

Alaska

---

**DPS OR SUBSPECIES**

Arabian Sea DPS

**STATUS**

ESA Endangered - Foreign

**YEAR LISTED**

2016

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**DPS OR SUBSPECIES**

Cape Verde Islands/Northwest Africa DPS

**STATUS**

ESA Endangered - Foreign

**YEAR LISTED**

-----  
2016

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**DPS OR SUBSPECIES**

Mexico DPS

**STATUS**

ESA Threatened

**YEAR LISTED**

2016

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Proposed

**REGION**

Alaska

West Coast

---

**Indus River Dolphin**

*Platanista gangetica minor*

**SPECIES CATEGORY**

Dolphins & Porpoises

**DPS OR SUBSPECIES**

Throughout Its Range

Throughout Its Range

**STATUS**

ESA Endangered - Foreign

**YEAR LISTED**

1991

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**Island Grouper**

*Mycteroperca fusca*

**SPECIES CATEGORY**

Fish

Protected Fish

Reef Fish

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Threatened - Foreign

**YEAR LISTED**

2016

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**Isopora crateriformis coral***Isopora crateriformis***SPECIES CATEGORY**

Invertebrates

Corals

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Threatened

**YEAR LISTED**

2014

**RECOVERY PLAN**

Under Development

**CRITICAL HABITAT**

-

**REGION**

Pacific Islands

---

**Johnson's Seagrass***Halophila johnsonii***SPECIES CATEGORY**

Plants/Other

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

**STATUS**

ESA Threatened

**YEAR LISTED**

1998

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

Southeast

---

**Kaluga Sturgeon**

*Huso dauricus*

**SPECIES CATEGORY**

Fish

Protected Fish

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Endangered - Foreign

**YEAR LISTED**

2014

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

Foreign

---

**Kemp's Ridley Turtle***Lepidochelys kempii***SPECIES CATEGORY**

Sea Turtles

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Endangered

**YEAR LISTED**

1970

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

-

**REGION**

New England/Mid-Atlantic

Southeast

---

**Killer Whale***Orcinus orca***SPECIES CATEGORY**

Whales

Dolphins &amp; Porpoises

**DPS OR SUBSPECIES**

Southern Resident DPS

**STATUS**

ESA Endangered

**YEAR LISTED**

2005

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Proposed Revision

**REGION**

Alaska

West Coast

---

**Largetooth Sawfish***Pristis pristis***SPECIES CATEGORY**

Fish

Protected Fish

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Endangered

**YEAR LISTED**

2014; 2011 (original)

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Southeast

---

## Leatherback Turtle

*Dermochelys coriacea*

### SPECIES CATEGORY

Sea Turtles

### DPS OR SUBSPECIES

Throughout Its Range

### STATUS

ESA Endangered

### YEAR LISTED

1970

### RECOVERY PLAN

Final

### CRITICAL HABITAT

Final (U.S. Caribbean)

Final (U.S. West Coast)

### REGION

New England/Mid-Atlantic

Pacific Islands

Southeast

West Coast

Foreign

---

## Lobed Star Coral

*Orbicella annularis*

### SPECIES CATEGORY

Invertebrates

Corals

### DPS OR SUBSPECIES

Throughout Its Range

**STATUS**

ESA Threatened

**YEAR LISTED**

2014

**RECOVERY PLAN**

Under Development

**CRITICAL HABITAT**

-

**REGION**

Southeast

---

**Loggerhead Turtle**

*Caretta caretta*

**SPECIES CATEGORY**

Sea Turtles

**DPS OR SUBSPECIES**

North Pacific Ocean DPS

**STATUS**

ESA Endangered

**YEAR LISTED**

2011

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

No

**REGION**

Pacific Islands

West Coast

---

**DPS OR SUBSPECIES**

Mediterranean Sea DPS

**STATUS**

ESA Endangered - Foreign

**YEAR LISTED**

2011

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**DPS OR SUBSPECIES**

Northeast Atlantic Ocean DPS

**STATUS**

ESA Endangered - Foreign

**YEAR LISTED**

2011

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

**REGION**

Foreign

---

**DPS OR SUBSPECIES**

North Indian Ocean DPS

**STATUS**

ESA Endangered - Foreign

**YEAR LISTED**

2011

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**DPS OR SUBSPECIES**

South Pacific Ocean DPS

**STATUS**

ESA Endangered - Foreign

**YEAR LISTED**

2011

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**DPS OR SUBSPECIES**

Northwest Atlantic Ocean DPS

**STATUS**

ESA Threatened

**YEAR LISTED**

2011

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

New England/Mid-Atlantic

Southeast

---

**DPS OR SUBSPECIES**

South Atlantic Ocean DPS

**STATUS**

ESA Threatened - Foreign

**YEAR LISTED**

2011

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

**DPS OR SUBSPECIES**

Southeast Indo-Pacific Ocean DPS

**STATUS**

ESA Threatened - Foreign

**YEAR LISTED**

2011

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**DPS OR SUBSPECIES**

Southwest Indian Ocean DPS

**STATUS**

ESA Threatened - Foreign

**YEAR LISTED**

2011

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**Mediterranean Monk Seal**

*Monachus monachus***SPECIES CATEGORY**

Seals &amp; Sea Lions

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Endangered - Foreign

**YEAR LISTED**

1970

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**Montipora australiensis coral***Montipora australiensis***SPECIES CATEGORY**

Invertebrates

Corals

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Threatened - Foreign

ESA Threatened - Foreign

**YEAR LISTED**

2014

**RECOVERY PLAN**

Under Development

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**Mountainous Star Coral**

*Orbicella faveolata*

**SPECIES CATEGORY**

Invertebrates

Corals

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Threatened

**YEAR LISTED**

2014

**RECOVERY PLAN**

Under Development

**CRITICAL HABITAT**

-

**REGION**

Southeast

---

## Narrow Sawfish

*Anoxypristis cuspidata*

### SPECIES CATEGORY

Fish

Protected Fish

### DPS OR SUBSPECIES

Throughout Its Range

### STATUS

ESA Endangered - Foreign

### YEAR LISTED

2014

### RECOVERY PLAN

-

### CRITICAL HABITAT

-

### REGION

Foreign

---

## Narrownose Smoothhound Shark

*Mustelus schmitti*

### SPECIES CATEGORY

Fish

Protected Fish

Sharks

### DPS OR SUBSPECIES

Throughout Its Range

### STATUS

ESA Threatened - Foreign

ESA Threatened Foreign

**YEAR LISTED**

2017

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

**Nassau Grouper**

*Epinephelus striatus*

**SPECIES CATEGORY**

Fish  
Protected Fish  
Reef Fish

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Threatened

**YEAR LISTED**

2016

**RECOVERY PLAN**

Under Development

**CRITICAL HABITAT**

-

**REGION**

Southeast

---

## North Atlantic Right Whale

*Eubalaena glacialis*

### SPECIES CATEGORY

Whales

### DPS OR SUBSPECIES

Throughout Its Range

### STATUS

ESA Endangered

### YEAR LISTED

2008; 1970 (original)

### RECOVERY PLAN

Final

### CRITICAL HABITAT

Final

### REGION

New England/Mid-Atlantic

Southeast

---

## North Pacific Right Whale

*Eubalaena japonica*

### SPECIES CATEGORY

Whales

### DPS OR SUBSPECIES

Throughout Its Range

### STATUS

ESA Endangered

**YEAR LISTED**

2008; 1970 (original)

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

Alaska

West Coast

---

**Oceanic Whitetip Shark**

*Carcharhinus longimanus*

**SPECIES CATEGORY**

Fish

Protected Fish

Highly Migratory Fish

Sharks

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Threatened

**YEAR LISTED**

2018

**RECOVERY PLAN**

Under Development

**CRITICAL HABITAT**

Not Prudent

**REGION**

New England/Mid-Atlantic

Pacific Islands

Southeast

West Coast

---

**Olive Ridley Turtle***Lepidochelys olivacea***SPECIES CATEGORY**

Sea Turtles

**DPS OR SUBSPECIES**

Mexico's Pacific coast breeding populations

**STATUS**

ESA Endangered

**YEAR LISTED**

1978

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

-

**REGION**

West Coast

Pacific Islands

---

**DPS OR SUBSPECIES**

All other populations

**STATUS**

ESA Threatened

**YEAR LISTED**

1978

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

-

**REGION**

Pacific Islands

---

**Pavona diffluens coral***Pavona diffluens***SPECIES CATEGORY**

Invertebrates

Corals

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Threatened - Foreign

**YEAR LISTED**

2014

**RECOVERY PLAN**

Under Development

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**Pillar Coral**

*Dendrogyra cylindrus***SPECIES CATEGORY**

Invertebrates

Corals

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Threatened

**YEAR LISTED**

2014

**RECOVERY PLAN**

Under Development

**CRITICAL HABITAT**

-

**REGION**

Southeast

---

**Porites napopora coral***Porites napopora***SPECIES CATEGORY**

Invertebrates

Corals

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Threatened - Foreign

**YEAR LISTED**

2014

**RECOVERY PLAN**

Under Development

**CRITICAL HABITAT**

-

**REGION**

Foreign

**Ringed Seal**

*Phoca (pusa) hispida*

**SPECIES CATEGORY**

Seals & Sea Lions

**DPS OR SUBSPECIES**

Ladoga subspecies

**STATUS**

ESA Endangered - Foreign

**YEAR LISTED**

2012

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

**DPS OR SUBSPECIES**

Saimaa subspecies

**STATUS**

ESA Endangered - Foreign

**YEAR LISTED**

1993

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**DPS OR SUBSPECIES**

Arctic subspecies

**STATUS**

ESA Threatened

**YEAR LISTED**

2012 (original); 2018 (reinstated)

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

Proposed

**REGION**

Alaska

---

**DPS OR SUBSPECIES**

Baltic subspecies

**STATUS**

ESA Threatened - Foreign

**YEAR LISTED**

2012

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**DPS OR SUBSPECIES**

Okhotsk subspecies

**STATUS**

ESA Threatened - Foreign

**YEAR LISTED**

2012

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**Rough Cactus Coral***Mycetophyllia ferox***SPECIES CATEGORY**

Invertebrates

Corals

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Threatened

**YEAR LISTED**

2014

**RECOVERY PLAN**

Under Development

**CRITICAL HABITAT**

-

**REGION**

Southeast

---

**Sakhalin Sturgeon***Acipenser mikadoi***SPECIES CATEGORY**

Fish

Protected Fish

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Endangered - Foreign

**YEAR LISTED**

2014

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**Sawback Angelshark***Squatina aculeata***SPECIES CATEGORY**

Fish

Protected Fish

Sharks

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Endangered - Foreign

**YEAR LISTED**

2016

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**Scalloped Hammerhead Shark***Sphyrna lewini***SPECIES CATEGORY**

Fish

Protected Fish

Highly Migratory Fish

Sharks

**DPS OR SUBSPECIES**

Eastern Pacific DPS

**STATUS**

ESA Endangered

**YEAR LISTED**

2014

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

No

**REGION**

West Coast

**DPS OR SUBSPECIES**

Eastern Atlantic DPS

**STATUS**

ESA Endangered - Foreign

**YEAR LISTED**

2014

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**DPS OR SUBSPECIES**

Central & Southwest Atlantic DPS

**STATUS**

ESA Threatened

**YEAR LISTED**

2014

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

No

**REGION**

Southeast

---

**DPS OR SUBSPECIES**

Indo-West Pacific DPS

**STATUS**

ESA Threatened

**YEAR LISTED**

2014

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

No

**REGION**

Pacific Islands

Pacific Islands

---

**Sei Whale***Balaenoptera borealis***SPECIES CATEGORY**

Whales

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Endangered

**YEAR LISTED**

1970

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

-

**REGION**

Alaska

New England/Mid-Atlantic

Pacific Islands

Southeast

West Coast

---

**Seriatopora aculeata coral***Seriatopora aculeata***SPECIES CATEGORY**

Invertebrates

Corals

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Threatened

**YEAR LISTED**

2014

**RECOVERY PLAN**

Under Development

**CRITICAL HABITAT**

-

**REGION**

Pacific Islands

---

**Shortnose Sturgeon**

*Acipenser brevirostrum*

**SPECIES CATEGORY**

Fish

Protected Fish

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Endangered

**YEAR LISTED**

1967

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

-

**REGION**

New England/Mid-Atlantic

Southeast

---

**Siderastrea glynni coral***Siderastrea glynni***SPECIES CATEGORY**

Invertebrates

Corals

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Endangered - Foreign

**YEAR LISTED**

2015

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**Smalltooth Sawfish***Pristis pectinata***SPECIES CATEGORY**

Fish

Protected Fish

**DPS OR SUBSPECIES**

U.S. Population

**STATUS**

ESA Endangered

**YEAR LISTED**

2003

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

Southeast

Foreign

---

**DPS OR SUBSPECIES**

Non-U.S. Population

**STATUS**

ESA Endangered - Foreign

**YEAR LISTED**

2014

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

## Smoothback Angelshark

*Squatina oculata*

### SPECIES CATEGORY

Fish

Protected Fish

Sharks

### DPS OR SUBSPECIES

Throughout Its Range

### STATUS

ESA Endangered - Foreign

### YEAR LISTED

2016

### RECOVERY PLAN

-

### CRITICAL HABITAT

-

### REGION

Foreign

---

## Sockeye Salmon (Protected)

*Oncorhynchus nerka*

### SPECIES CATEGORY

Fish

Protected Fish

Salmon & Steelhead

**DPS OR SUBSPECIES**

Snake River ESU

**STATUS**

ESA Endangered

**YEAR LISTED**

1991

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

Alaska

West Coast

**DPS OR SUBSPECIES**

Ozette Lake ESU

**STATUS**

ESA Threatened

**YEAR LISTED**

1999

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

Alaska

West Coast

---

## Southern Right Whale

*Eubalaena australis*

### SPECIES CATEGORY

Whales

### DPS OR SUBSPECIES

Throughout Its Range

### STATUS

ESA Endangered - Foreign

### YEAR LISTED

1970

### RECOVERY PLAN

-

### CRITICAL HABITAT

-

### REGION

Foreign

---

## Sperm Whale

*Physeter macrocephalus*

### SPECIES CATEGORY

Whales

### DPS OR SUBSPECIES

Throughout Its Range

### STATUS

ESA Endangered

### YEAR LISTED

1970

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

-

**REGION**

Alaska

New England/Mid-Atlantic

Pacific Islands

Southeast

West Coast

---

**Spiny Angelshark**

*Squatina guggenheim*

**SPECIES CATEGORY**

Fish

Protected Fish

Sharks

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Endangered - Foreign

**YEAR LISTED**

2017

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**Spotted Seal**

*Phoca largha*

**SPECIES CATEGORY**

Seals & Sea Lions

**DPS OR SUBSPECIES**

Southern DPS

**STATUS**

ESA Threatened - Foreign

**YEAR LISTED**

2010

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**Staghorn Coral**

*Acropora cervicornis*

**SPECIES CATEGORY**

Invertebrates

Corals

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Threatened

**YEAR LISTED**

2006

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

Southeast

---

**Steelhead Trout***Oncorhynchus mykiss***SPECIES CATEGORY**

Fish

Protected Fish

Salmon &amp; Steelhead

**DPS OR SUBSPECIES**

Southern California DPS

**STATUS**

ESA Endangered

**YEAR LISTED**

1997

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

Alaska

West Coast

---

**DPS OR SUBSPECIES**

California Central Valley DPS

**STATUS**

ESA Threatened

**YEAR LISTED**

1998

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

Alaska

West Coast

---

**DPS OR SUBSPECIES**

Central California Coast DPS

**STATUS**

ESA Threatened

**YEAR LISTED**

1997

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

Final

**REGION**

Alaska

West Coast

---

**DPS OR SUBSPECIES**

Lower Columbia River DPS

**STATUS**

ESA Threatened

**YEAR LISTED**

1998

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

Alaska

West Coast

---

**DPS OR SUBSPECIES**

Middle Columbia River

**STATUS**

ESA Threatened

**YEAR LISTED**

1999

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

Final

**REGION**

Alaska

West Coast

---

**DPS OR SUBSPECIES**

Northern California DPS

**STATUS**

ESA Threatened

**YEAR LISTED**

2000

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

Alaska

West Coast

---

**DPS OR SUBSPECIES**

Puget Sound DPS

**STATUS**

ESA Threatened

**YEAR LISTED**

2007

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

Alaska

West Coast

---

**DPS OR SUBSPECIES**

Snake River Basin DPS

**STATUS**

ESA Threatened

**YEAR LISTED**

2006

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

Alaska

West Coast

---

**DPS OR SUBSPECIES**

South-Central California Coast DPS

**STATUS**

ESA Threatened

**YEAR LISTED**

1997

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

Alaska

West Coast

---

**DPS OR SUBSPECIES**

Upper Columbia River DPS

**STATUS**

ESA Threatened

**YEAR LISTED**

2006; 1997 (original)

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

Alaska

West Coast

---

**DPS OR SUBSPECIES**

Upper Willamette River DPS

**STATUS**

ESA Threatened

**YEAR LISTED**

1999

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

Alaska

West Coast

---

**DPS OR SUBSPECIES**

Middle Columbia River XN

**STATUS**

ESA Experimental Population

**YEAR LISTED**

-

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Alaska

West Coast

---

**Steller Sea Lion**

*Eumetopias jubatus*

**SPECIES CATEGORY**

Seals & Sea Lions

**DPS OR SUBSPECIES**

Western DPS

**STATUS**

ESA Endangered

ESA Endangered

**YEAR LISTED**

1997; 1990 (original)

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

Alaska

West Coast

---

**Striped Smoothhound Shark**

*Mustelus fasciatus*

**SPECIES CATEGORY**

Fish

Protected Fish

Sharks

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Endangered - Foreign

**YEAR LISTED**

2017

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

**REGION**

Foreign

---

**Taiwanese Humpback Dolphin***Sousa chinensis taiwanensis***SPECIES CATEGORY**

Dolphins &amp; Porpoises

**DPS OR SUBSPECIES**

Taiwanese Humpback Dolphin subspecies

**STATUS**

ESA Endangered - Foreign

**YEAR LISTED**

2018

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**Totoaba***Totoaba macdonaldi***SPECIES CATEGORY**

Fish

Protected Fish

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Endangered - Foreign

**YEAR LISTED**

1979

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**Tubastraea floreana coral**

*Tubastraea floreana*

**SPECIES CATEGORY**

Invertebrates

Corals

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Endangered - Foreign

**YEAR LISTED**

2015

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**Vaquita***Phocoena sinus***SPECIES CATEGORY**

Dolphins &amp; Porpoises

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA Endangered - Foreign

**YEAR LISTED**

1985

**RECOVERY PLAN**

-

**CRITICAL HABITAT**

-

**REGION**

Foreign

---

**White Abalone***Haliotis sorenseni***SPECIES CATEGORY**

Invertebrates

Abalone

**DPS OR SUBSPECIES**

Throughout Its Range

**STATUS**

ESA E d d

ESA Endangered

**YEAR LISTED**

2001

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Not Prudent

**REGION**

West Coast

**Yelloweye Rockfish**

*Sebastes ruberrimus*

**SPECIES CATEGORY**

Fish

Protected Fish

**DPS OR SUBSPECIES**

Puget Sound/ Georgia Basin DPS

**STATUS**

ESA Threatened

**YEAR LISTED**

2010

**RECOVERY PLAN**

Final

**CRITICAL HABITAT**

Final

**REGION**

Alaska

West Coast



## **Appendix C**

**Active and Pending Regional ESA Section 7 Consultation/Coordination**

**Agreements Between Corps Districts and Regional or Field Offices of the U.S.**

**Fish and Wildlife Service and the National Marine Fisheries Service**

**Table C-1. Active Regional ESA Section 7 Consultation/Coordination Agreements Between Corps Districts and Regional or Field Offices of the U.S. Fish and Wildlife Service**

Document	Lead Corps District	State(s)	Consulting Agency	Other Corps Districts	Regulated Activities Covered	Covered Species	Document type	Date approved	Conditions	Reporting	Notes
1	Alaska	AK	USFWS		New gravel pads, access roads, or driveways; Expansion of existing gravel pads, access roads, or driveways; Development of gravel mine sites; Ice roads associated with construction of gravel infrastructure; On-pad construction, including industry components for support of existing development, un-guyed structures, equipment modules, facility lighting components, vertical support members; utility lines (buried or on VSMS); off-pad construction, including: flowlines for water, oil, or natural gas; VSMS; installation of culverts; utility lines (buried or on VSMS)	Spectacled Eider, Steller's Eider, Polar Bear (CH)	Programmatic BO <sub>1</sub>	1/21/2020	Y	Y	3 species - applies to the North Slope
2	Mobile	AL	USFWS	Nashville	All permit categories	Alabama Red-bellied Turtle, Black Pine Snake, Dusky Gopher Frog, Eastern Indigo Snake, Gopher Tortoise, Gray Bat, Louisiana Quillwort, Mississippi Sandhill Crane, Pondberry, Price's Potato-bean, Red-cockaded Woodpecker, West Indian Manatee, White Fringeless Orchid, Wood Stork, Yellow-blotched Map Turtle, Indiana Bat, Northern Long-eared Bat, Alabama Beach Mouse, Choctawhatchee Beach Mouse, Perdido Key Beach Mouse, St. Andrew Beach Mouse, Red Knot, Piping Plover, Cahaba Shiner, Goldline Darter, Palezone Shiner, Pearl Darter, Rush Darter, Slackwater Darter, Spottfin Chub, Spring Pygmy Sunfish, Boulder Darter, Snail Darter, Alabama Sturgeon, Gulf Sturgeon, Alabama Lampmussel, Alabama Moccasinshell, Chipola Slabshell, Choctaw Bean, Cracking Pearlymussel, Cumberland Bean, Cumberlandian Combshell, Dark Pigtoe, Dromedary Pearlymussel, Fanshell, Fat Threeridge, Finelined Pocketbook, Finerayed Pigtoe, Fluted Kidneyshell, Fuzzy Pigtoe, Gulf Moccasinshell, Heavy Pigtoe, Inflated Heelsplitter, Littlewing Pearlymussel, Narrow Pigtoe, Ochlockonee Moccasinshell, Orangefoot Pimpleback,	SLOPES <sub>2</sub>	11/25/2019	Y	N	94 species

**Table C-1. Active Regional ESA Section 7 Consultation/Coordination Agreements Between Corps Districts and Regional or Field Offices of the U.S. Fish and Wildlife Service**

Document	Lead Corps District	State(s)	Consulting Agency	Other Corps Districts	Regulated Activities Covered	Covered Species	Document type	Date approved	Conditions	Reporting	Notes
						Orangenacre Mucket, Oval Pigtoe, Ovate Clubshell, Oyster Mussel, Pale Lilliput, Pink Mucket, Purple Bankclimber, Rabbitsfoot, Ring Pink, Rough Pigtoe, Round Ebonyshell, Sheepnose Mussel, Shiny Pigtoe, Shinyrayed Pocketbook, Slabside Pearlymussel, Snuffbox Mussel, Southern Acornshell, Southern Clubshell, Southern Combshell, Southern Kidneyshell, Southern Sandshell, Spectaclecase, Tapered Pigtoe, Triangular Kidneyshell, Upland Combshell, White Wartyback, Green Sea Turtle, Hawksbill Sea Turtle, Kemp's Ridley Sea Turtle, Leatherback Sea Turtle, Loggerhead Sea Turtle, Anthony's Riversnail, Armored Snail, Cylindrical Lioplax, Plicate Rocksnail, Slender Campeloma, Tulotoma Snail, Frosted Flatwoods Salamander, Reticulated Flatwoods Salamander					
3	Mobile	AL	USFWS		Activities covered under AL RGPs in the Black Warrior River below Oliver Lock & Dam in Tuscaloosa Co downstream to the confluence with the Tombigbee River in Greene and Marengo Co, AL	Inflated Heelsplitter	Programmatic BO <sub>1</sub>	5/23/17	Y	Y	1 species
4	Little Rock	AR	USFWS		All permit categories	Northern Long-eared Bat, Gray Bat, Indiana Bat, Ozark Big-eared Bat, Bald Eagle, Interior Least Tern, Ivory-billed Woodpecker, Piping Plover, Red-cockaded Woodpecker, Red Knot, Eastern Black Rail, Arkansas River Shiner, Leopard Darter, Ozark Cavefish, Pallid Sturgeon, Yellowcheek Darter, Ozark Hellbender, American Burying Beetle, Rattlesnake-Master Borer Moth, Monarch Butterfly, Arkansas Fatmucket, Curtis Pearlymussel, Fat Pocketbook, Louisiana Pearlshell, Neosho Mucket, Ouachita Rock-pocketbook, Pink Mucket, Rabbitsfoot, Scaleshell, Snuffbox, Speckled Pocketbook, Spectaclecase, Winged Mapleleaf, Benton County Cave Crayfish, Hell Creek Crayfish, Geocarpon, Harperella, Missouri Bladderpod, Pondberry, Running Buffalo Clover	Programmatic BO <sub>1</sub>	8/20/2018	Y	Y	40 species

**Table C-1. Active Regional ESA Section 7 Consultation/Coordination Agreements Between Corps Districts and Regional or Field Offices of the U.S. Fish and Wildlife Service**

Document	Lead Corps District	State(s)	Consulting Agency	Other Corps Districts	Regulated Activities Covered	Covered Species	Document type	Date approved	Conditions	Reporting	Notes
5	Los Angeles	CA	USFWS	San Francisco	All permit categories	California Red-legged Frog	Programmatic BO <sub>1</sub>	4/27/20	Y	Y	1 species
6	Los Angeles	CA	USFWS	San Francisco	All permit categories	California Least Tern, Brown Pelican, Tidewater Goby, Southern Sea Otter, Western Snowy Plover	Programmatic BO <sub>1</sub>	8/29/1997	Y	Y	5 species
7	Sacramento	CA	USFWS		Pacific Gas and Electric Transmission Separation Project	Valley Elderberry Longhorn Beetle, Bald Eagle, California Red-legged Frog, Springville Clarkia	Programmatic BO <sub>1</sub>	6/14/2014	N	Y	4 species - includes USFS and BLM - Reporting required to PG&E
8	Sacramento	CA	USFWS	San Francisco	Aids to navigation, structures in artificial canals, fish and wildlife harvesting, enhancement and attraction devices and activities, scientific measurement devices, mooring buoys, temporary recreational structures, oil spill cleanup, cleanup of hazardous and toxic waste	Delta Smelt	Programmatic BO <sub>1</sub>	12/1/2004	Y	Y	1 species
9	Sacramento	CA	USFWS		Placer Vineyards Specific Plan Project	Vernal Pool Fairy Shrimp, Giant Garter Snake, Valley Elderberry Longhorn Beetle, Vernal Pool Tadpole Shrimp	Programmatic BO <sub>1</sub>	4/1/2016	Y	Y	4 species
10	Sacramento	CA	USFWS		Fisheries Restoration Grant Program Projects	Valley Elderberry Longhorn Beetle, Giant Garter Snake, western distinct population segment of the Yellow Billed Cuckoo, Least Bell's Vireo	Programmatic MANLAA <sub>3</sub>	11/13/2018	Y	Y	4 species
11	Sacramento	CA	USFWS	San Francisco	Projects with small effects on listed vernal pool crustaceans in the Sacramento Basin of California	Conservancy Fairy Shrimp, Longhorn Fairy Shrimp, Vernal Pool Tadpole Shrimp, Vernal Pool Fairy Shrimp	Programmatic BO <sub>1</sub>	2/28/1996	Y	Y	4 species
12	San Francisco	CA	USFWS		Applies to activities in the 9 San Francisco Bay Area Counties that qualifies for authorization under one of 22 NWP's or that meet suitability criteria	California Red-legged Frog	Programmatic BO <sub>1</sub>	10/3/2019	Y	Y	1 species
13	San Francisco	CA	USFWS		Activities described in the Suisun Marsh Long-Term Habitat Management, Preservation, and Restoration Plan	California Clapper Rail, Salt Marsh Harvest Mouse, California Least Tern, Soft Bird's-beak, Suisun Thistle, Delta Smelt	Programmatic BO <sub>1</sub>	6/10/13	Y	Y	6 species
14	San Francisco	CA	USFWS		Activities under the East Alameda County Conservation Strategy	Longhorn Fairy Shrimp, Vernal Pool Fairy Shrimp, Calliope Silverspot Butterfly, California Red-legged Frog, California Tiger Salamander, Alameda Whipsnake, San Joaquin Kit Fox, Palmate-bracted Bird's-beak	Programmatic BO <sub>1</sub>	5/31/2012	N	Y	8 species
15	San Francisco	CA	USFWS		Activities in the Santa Rosa Plain	California Tiger Salamander, Burke's Goldfields, Sebastopol Meadowfoam, Sonoma Sunshine	Programmatic BO <sub>1</sub>	6/11/2020	Y	Y	4 species

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Document	Lead Corps District	State(s)	Consulting Agency	Other Corps Districts	Regulated Activities Covered	Covered Species	Document type	Date approved	Conditions	Reporting	Notes
16	Jacksonville	FL	USFWS		Sand placement activities	Loggerhead Sea Turtle, Green Sea Turtle, Leatherback Sea Turtle, Hawksbill Sea Turtle, Kemp's Ridley Sea Turtle, Southeastern Beach Mouse, Anatasia Island Beach Mouse, Choctawhatchee Beach Mouse, St. Andrews Beach Mouse, Perdido Key Beach Mouse	Programmatic BO <sub>1</sub>	5/13/2015	Y	Y	10 species - includes USACE Civil Works
17	Jacksonville	FL	USFWS		Sand placement activities	Piping Plover	Programmatic BO <sub>1</sub>	5/22/2013	Y	Y	1 species - includes USACE Civil Works
18	Jacksonville	FL	USFWS		All permit categories	West Indian Manatee; Wood Stork; Florida Panther; Eastern Indigo Snake (north and south FL populations); Florida Bonneted Bat	Determination Key <sub>4</sub>	Varies	Y	Y	5 species - 6 determination keys - approval dates range from 2007 to 2019
19	Jacksonville	FL	USFWS		All permit categories	Eastern Indigo Snake; Schaus Swallowtail Butterfly, Keys Tree-cactus; Stock Island Tree Snail; Key Deer; Lower Keys Marsh Rabbit; Silver Rice Rat (CH); Key Largo Woodrat; Key Largo Cotton mouse; American Crocodile	SLOPES <sub>2</sub>	7/29/2013	Y	N	10 species - species assessment guides
20	Jacksonville	FL	USFWS		All permit categories	Alabama Beach Mouse (CH); Choctawhatchee Beach Mouse (CH); Gray Bat; Perdido Key Beach Mouse (CH); St. Andrew Beach Mouse (CH); West Indian Manatee (CH); Piping Plover (CH); Red Knot; Red-cockaded Woodpecker; Wood Stork; Eastern Indigo Snake; Gopher Tortoise; Green Sea Turtle (CH); Kemp's Ridley Sea Turtle (CH); Leatherback Sea Turtle (CH); Loggerhead Sea Turtle (CH); Frosted Flatwoods Salamander (CH); Reticulated Flatwoods Salamander (CH); Atlantic Sturgeon (gulf Subspecies) (CH); Chipola Slabshell (CH); Choctaw Bean (CH); Fat Threeridge (mussel) (CH); Fuzzy Pigtoe (CH); Gulf Moccasinshell (CH); Narrow Pigtoe (CH); Oval Pigtoe (CH); Purple Bankclimber (mussel) (CH); Round Ebonyshell (CH); Shinyrayed Pocketbook (CH); Southern Kidneyshell (CH);	SLOPES <sub>2</sub>	3/11/2020	Y	N	32 species - only applies to the FL Panhandle

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Document	Lead Corps District	State(s)	Consulting Agency	Other Corps Districts	Regulated Activities Covered	Covered Species	Document type	Date approved	Conditions	Reporting	Notes
						Southern Sandshell (CH); Tapered Pigtoe (CH)					
21	Savannah	GA	USFWS		All activities covered by nationwide permits	West Indian Manatee; Wood Stork; Piping Plover; Red Knot; Red-cockaded Woodpecker; Eastern Indigo Snake; Green Sea Turtle; Loggerhead Sea Turtle; Kemp's Ridley Sea Turtle; Hawksbill Sea Turtle; Leatherback Sea Turtle; Bog Turtle; Frosted Flatwoods Salamander; Reticulated Flatwoods Salamander; Indiana Bat; Gray Bat; Northern Long-eared Bat; Altamaha Spiny mussel; Black-spored Quillwort; Mat-forming Quillwort; Little Amphianthus; Fat Threeridge; Gulf Moccasinshell; Ochlockonee Moccasinshell; Suwanee Moccasinshell; Oval Pigtoe; Shinyrayed Pocketbook; Purple Bankclimber; Conasauga Logperch; Etowah Darter; Amber Darter; Georgia Pigtoe; Interrupted Rocksnail; Coosa Moccasinshell; Southern Clubshell; Southern Pigtoe; Triangular Kidneyshell; Cherokee Darter; Blue Shiner; Goldline Darter; Snail Darter; Fine-lined Pocketbook; Alabama Moccasinshell; Trispot Darter; Alabama Leather Flower; American Chaffseed; Canby's Dropwort; Cooley's Meadowrue; Fringed Campion; Georgia Rockcress; Green Pitcher Plant; Hairy Rattleweed; Harperella; Kral's Water-plantain; Large-flowered Skullcap; Michaux's Sumac; Morh's Barbara Buttons; Persistent Trillium; Pondberry; Relict Trillium; Small Whorled Pogonia; Smooth Coneflower; Swamp Pink; Tennessee Yellow-eyed Grass; Virginia Spiraea; White Fringeless Orchid; Whorled Sunflower; Florida Torreyia; Rock Gnome Lichen	SLOPES <sub>2</sub>	3/2/2017	Y	Y	69 species
22	Savannah	GA	USFWS		All permit categories	West Indian Manatee; Wood Stork; Piping Plover; Red Knot; Red-cockaded Woodpecker; Eastern Indigo Snake; Green Sea Turtle; Loggerhead Sea Turtle; Kemp's Ridley Sea Turtle; Leatherback Sea Turtle; Frosted Flatwoods Salamander; Reticulated	Determination Key <sub>4</sub>	8/2/2018	Y	N	41 species

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Document	Lead Corps District	State(s)	Consulting Agency	Other Corps Districts	Regulated Activities Covered	Covered Species	Document type	Date approved	Conditions	Reporting	Notes
						Flatwoods Salamander; Indiana Bat; Gray Bat; Northern Long-eared Bat; Altamaha Spiny mussel; Black-spored Quillwort; Mat-forming Quillwort; Little Amphianthus; Fat Threeridge; Gulf Moccasinshell; Ochlockonee Moccasinshell; Oval Pigtoe; Shinyrayed Pocketbook; Purple Bankclimber; Conasauga Logperch; Etowah Darter; Amber Darter; Georgia Pigtoe; Interrupted Rocksnail; Coosa Moccasinshell; Southern Clubshell; Southern Pigtoe; Triangular Kidneyshell; Cherokee Darter; Blue Shiner; Goldline Darter; Snail Darter; Fine-lined Pocketbook; Alabama Moccasinshell; Trispot Darter					
23	Walla Walla	ID	USFWS		Installation, replacement, repair or modification of noncommercial structures on Lake Pend Oreille, the Pend Oreille River, and their tributaries (in Idaho)	Bull Trout	Programmatic BO <sub>1</sub>	3/17/2020	Y	Y	1 species
24	Walla Walla	ID	USFWS		Activities that improve ESA habitat (i.e., culvert passage upgrades, vegetated bank stabilization)	Bull Trout, Snake River Basin Steelhead, Snake River spring/summer run Chinook Salmon, Snake River fall run Chinook Salmon, Snake River Sockeye Salmon	Programmatic BO <sub>1</sub>	5/17/2015	Y	Y	4 species - includes NMFS, USFS, BLM, NRCS
25	Walla Walla	ID MT WA	USFWS	Omaha Seattle	Maintenance, utilities, bank stabilization, transportation, minor discharges/excavation, restoration, temporary access/dewatering	Bull Trout, Kootenai River White Sturgeon	Programmatic BO <sub>1</sub>	2/19/2020	Y	Y	2 species
26	Walla Walla	ID	USFWS		Road, culvert, and bridge repair and associated activities proposed by the Idaho DOT	Bull Trout, Utah Valvata Snail, Snake River Physa Snail, Bliss Rapids Snail, Northern Idaho Ground Squirrel, Snake River Basin Steelhead, Snake River spring/summer run Chinook Salmon, Snake River fall run Chinook Salmon, Snake River Sockeye Salmon	Programmatic BO <sub>1</sub>	7/13/2010	Y	Y	8 species - includes NMFS
27	Walla Walla	ID	USFWS		Culvert and bridge upgrades on USFS & BLM land	Bull Trout, Snake River Basin Steelhead, Snake River spring/summer-run Chinook Salmon, Snake River fall-run Chinook Salmon, Snake River Sockeye Salmon	Programmatic BO <sub>1</sub>	6/15/2012	Y	USFS and BLM only	4 species - USFS and BLM lead
28	Walla Walla	ID MT NV OR UT WA WY	USFWS	Omaha Portland Sacramento Seattle	Restoration projects receiving Bonneville Power Administration (BPA) funding in the Snake River Basin	Bull Trout, Oregon Chub, Marbled Murrelet, Upper Willamette Chinook Salmon, Upper Willamette Steelhead, Lower Columbia River Chinook Salmon, Lower Columbia River Steelhead, Columbia River Chum Salmon, Middle Columbia River Steelhead, Upper	Programmatic BO <sub>1</sub>	11/8/2013	Y	BPA only	9 species - includes NMFS - BPA lead

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Document	Lead Corps District	State(s)	Consulting Agency	Other Corps Districts	Regulated Activities Covered	Covered Species	Document type	Date approved	Conditions	Reporting	Notes
						Columbia River spring run Chinook Salmon, Upper Columbia River Steelhead, Snake River spring/summer run Chinook Salmon, Snake River fall run Chinook Salmon, Snake River Basin Steelhead, Snake River Sockeye Salmon, Green Sturgeon, Eulachon					
29	Walla Walla	ID OR WA	USFWS	Portland Seattle	Projects funded by USFWS and/or NMFS	Canada Lynx, Columbian White-tailed Deer, Gray Wolf, Grizzly Bear, Mazama Pocket Gopher, Northern Idaho Ground Squirrel, Pygmy Rabbit, Woodland Caribou, Bull Trout, Lahontan Cutthroat Trout, Warner Sucker, Marbled Murrelet, Northern Spotted Owl, Streaked Horned Lark, Western Snowy Plover, Oregon Spotted Frog, Fender's Blue Butterfly, Oregon Silverspot Butterfly, Taylor's Checkerspot Butterfly, Vernal Pool Fairy Shrimp, Bradshaw's Lomatium, Cook's Desert-parsley, Gentner's Fritillary, Golden Paintbrush, Howell's Spectacular Thelypody, Kincaid's Lupine, Large-flowered Woolly Meadowfoam, Nelson's Checker-mallow, Rough Popcornflower, Spalding's Catchfly, Ute Ladies'-tresses, Water Howellia, Wenatchee Mountains Checkermallow, Western Lily, Willamette Daisy, Lower Columbia River Chinook Salmon, Upper Willamette River Chinook Salmon, Upper Columbia River spring-run Chinook Salmon, Snake River spring/summer run Chinook Salmon, Snake River fall-run Chinook Salmon, Puget Sound Chinook Salmon, Columbia River Chum Salmon, Hood Canal summer-run Chum Salmon, Lower Columbia River Coho Salmon, Oregon Coast Coho Salmon, Southern Oregon/Northern California Coasts Coho Salmon, Snake River Sockeye Salmon, Lake Ozette Sockeye Salmon, Lower Columbia River Steelhead, Upper Willamette River Steelhead, Middle Columbia River Steelhead, Upper Columbia River Steelhead, Snake River Basin Steelhead, Puget Sound Steelhead, Puget Sound/Georgia Basin	Programmatic BO <sub>1</sub>	5/15/2015	Y	USFWS and NMFS only	44 species - USFWS and NMFS lead

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Document	Lead Corps District	State(s)	Consulting Agency	Other Corps Districts	Regulated Activities Covered	Covered Species	Document type	Date approved	Conditions	Reporting	Notes
						distinct population segment Bocaccio, Puget Sound/Georgia Basin distinct population segment Yelloweye Rockfish, Southern Green Sturgeon, Southern Resident Killer Whale					
30	Chicago	IL IN	USFWS		Tree removal, blasting and percussive activities, wind turbines, bridge maintenance/removal	Northern Long-eared Bat	Programmatic BO <sub>1</sub>	1/2/2016	Y	N	1 species
31	New Orleans	LA	USFWS		All permit categories	Northern Long-Eared Bat, West Indian Manatee, Eastern Black Rail, Least Tern, Piping Plover, Red Knot, Red-Cockaded Woodpecker, Wood Stork, Black Pine Snake, Louisiana Pine Snake, Gopher Tortoise, Ringed Map Turtle, Green Sea Turtle, Hawksbill Sea Turtle, Kemp's Ridley Sea Turtle, Leatherback Sea Turtle, Loggerhead Sea Turtle, Dusky Gopher Frog, Atlantic (+Gulf) Sturgeon, Pallid Sturgeon, Fat Pocketbook, Inflated Heelsplitter, Louisiana Pearlshell, American Chaffseed, Louisiana Quillwort	IPaC <sub>5</sub>	1/27/2020	Y	N	25 species
32	New Orleans	LA	USFWS	Vicksburg Galveston Ft. Worth	All permit categories	Piping Plover, Red Knot, Interior Least Tern, Red Cockaded Woodpecker, West Indian Manatee, Hawksbill Sea Turtle, Kemp's Ridley Sea Turtle, Leatherback Sea Turtle, Loggerhead Sea Turtle, Gopher Tortoise, Ringed Map Turtle, Rabbitsfoot, Pink Mucket Pearly Mussel, Louisiana Pearlshell Mussel, Inflated Heelsplitter, Fat Pocketbook Pearly Mussel, Atlantic Sturgeon (Gulf subspecies), Pallid Sturgeon, Louisiana Pinesnake, Louisiana Quillwort, Earth Fruit, American Chaffseed, Dusky Gopher Frog	SLOPES <sub>2</sub>	1/14/2020	Y	N	23 species
33	New England	ME	USFWS		All permit categories	Piping Plover, Rufa Red Knot, Roseate Tern, Atlantic Salmon, Atlantic Sturgeon, Shortnose Sturgeon, Blue Whale, Canada Lynx, Finback Whale, Humpback Whale, Northern Long-eared Bat, Rusty Patched Bumblebee, North Atlantic Right Whale, Wei Whale, Sperm whale, Furbish Louisewort, Small-whorled Pogonia, Eastern Prairie Fringed Orchid, Kemp's Ridley Sea Turtle, Leatherback Sea Turtle, Loggerhead Sea Turtle	SLOPES <sub>2</sub>	7/19/2018	N	Y	21 species

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34	Detroit	MI	USFWS		All permit categories	Canada Lynx, Gray Wolf, Indiana Bat, Northern Long-eared Bat, Piping Plover, Rufa Red Knot, Whopping Crane, Copperbelly Watersnake, Eastern Massasauga, Hine's Emerald Dragonfly, Hungerford's Crawling Water Beetle, Karner Blue Butterfly, Mitchell's Satyr, Poweshiek Skipperling, Clubshell, Northern Riffleshell, Rayed Bean, Snuffbox, American Hart's Tongue Fern, Dwarf Lake Iris, Eastern Prairie Fringed Orchid, Houghton's Goldenrod, Lakeside Daisy, Michigan Monkey-flower, Pitcher's Thistle, Small Whorled Pogonia	SLOPES <sub>2</sub>	8/11/2000	N	Y	25 species
35	Kansas City	MO	USFWS	Little Rock Memphis Rock Island St. Louis	All permit categories	Gray Bat, Indiana Bat, Northern Long-eared Bat	SLOPES <sub>2</sub>	9/24/2020	Y	Y	3 species
36	St. Paul	MN WI	USFWS		All permit categories	Northern Long-eared Bat	Programmatic BO <sub>1</sub>	2/16/2016	Y	Y	1 species
37	Vicksburg	MS	USFWS	Mobile Memphis Nashville	All permit categories	Interior Least Tern, Louisiana Quillwort, Fat Pocketbook Mussel, Mississippi Sandhill Crane, Pondberry, Sheepnose Mussel, Piping Plover, Price's Potato Bean, Rabbitsfoot Mussel, Red Knot, White Fringeless Orchid, Inflated Heelsplitter, Red-cockaded Woodpecker, Whorled Sunflower, Heavy Pigtoe Mussel, Wood Stork, Cumberlandian Combshell Mussel, Gopher Tortoise, Black Clubshell Mussel, Yellow-blotched Map Turtle, Slabside Pearlymussel, Gulf Sturgeon, Alabama Red-bellied Turtle, Snuffbox Mussel, Pallid Sturgeon, Ringed Map Turtle, Southern Clubshell Mussel, Bayou Darter, Loggerhead Sea Turtle, Southern Combshell Mussel, Snail Darter, Dusky Gopher Frog, Orange-nacre Mucket, Pearl Darter, Black Pinesnake, Ovate Clubshell Mussel, Oyster Mussel, Alabama Moccasinshell, Northern Long-eared Bat, West Indian Manatee, Gray Bat, Indiana Bat, Mitchell's Satyr Butterfly	SLOPES <sub>2</sub>	6/1/2017	Y	N	43 species
38	Omaha	MT ND	USFWS		Most nationwide permits	Dakota Skipper (CH), Gray Wolf, Interior Least Tern, Northern Long-eared Bat, Pallid Sturgeon, Piping Plover (CH),	SLOPES <sub>2</sub>	5/17/2018	Y	Y	9 species

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						Powershiek Skipperling, Red Knot, Whooping Crane					
39	Wilmington	NC	USFWS		All Department of Transportation projects	Northern Long-eared Bat	Determination Key <sub>4</sub>	3/25/15	Y	Y	1 species
40	Wilmington	NC	USFWS		Tree removal, blasting and percussive activities, wind turbines, bridge maintenance/removal	Northern Long-eared Bat	SLOPES <sub>2</sub>	4/30/2017	N	Y	1 species
41	Wilmington	NC	USFWS		Beach nourishment activities	Loggerhead Sea Turtle, Hawksbill Sea Turtle, Kemps Ridley Sea Turtle, Leatherback Sea Turtle, Piping Plover, Red Knot, Sea Beach Amaranth	Programmatic BO <sub>1</sub>	8/28/17	Y	Y	7 species
42	Omaha	NE	USFWS		NWPs and RGPs located within whitenose syndrome buffer zone	Northern Long-eared Bat	Programmatic Informal Consultation <sub>6</sub>	6/7/2018	Y	Y	1 species
43	Albuquerque	NM	USFWS		Water management and maintenance activities on the Middle Rio Grande in New Mexico	Rio Grande Silvery Minnow, Southwestern Willow Flycatcher, Yellow-billed Cuckoo, New Mexico Meadow Jumping Mouse, Pecos Sunflower, Interior Least Tern	BO and Conference Opinion <sub>7</sub>	12/2/2016	Y	Y	6 species - Bureau of Reclamation lead
44	Buffalo	NY	USFWS		All permit categories	American Hart's Tongue Fern, Bog Turtle, Chittenango Ovate Amber Snail, Clubshell Mussel, Northeastern Bulrush, Piping Plover (CH), Houghton's Goldenrod, Indiana Bat, Leedy's Roseroot, Eastern Massasauga Rattlesnake, Rayed Bean Mussel, Northern Long-eared Bat, Northern Riffleshell Mussel	SLOPES <sub>2</sub>	12/1/2016	Y	Y	13 species - vicinity document for listed bat species - includes 4(d) Rule coordination
45	Buffalo	OH	USFWS		All permit categories	Clubshell Mussel, Copperbelly Watersnake, Eastern Massasauga Rattlesnake, Eastern Prairie Fringed Orchid, Indiana Bat, Karner Blue Butterfly, Kirtland's Warbler, Lakeside Daisy, Mitchell's Satyr Butterfly, Northern Long-eared Bat, Northern Monkshood, Northern Riffleshell Mussel, Piping Plover (CH), Rabbitsfoot Mussel (CH), Rayed Bean Mussel, Rufa Red Knot, Snuffbox, White Cat's Paw Pearlymussel	SLOPES <sub>2</sub>	4/1/2012	Y	Y	18 species - only Buffalo District portion of Ohio
46	Huntington	OH	USFWS		All permit categories	Indiana Bat, Northern Long-eared Bat, Piping Plover, Red Knot, Copperbelly Water Snake, Eastern Massasauga, Scioto Madtom, Clubshell Mussel, Fanshell Mussel, Northern Riffleshell Mussel, Pink Mucket Mussel, Purple Cat's Paw Mussel, Rabbitsfoot Mussel, Rayed Bean Mussel, Sheepnose Mussel,	SLOPES <sub>2</sub>	2/1/2008	N	Y	27 species - only Huntington District portion of Ohio

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						Snuffbox Mussel, White Cat's Paw Mussel, American Burying Beetle, Karner Blue Butterfly, Mitchell's Satyr Butterfly, Rusty Patched Bumble Bee, Eastern Prairie Fringed Orchid, Lakeside Daisy, Northern Monkshood, Running Buffalo Clover, Small Whorled Pogonia, Virginia Spiraea					
47	Huntington	OH	USFWS		All permit categories associated with Ohio DOT	Indiana Bat, Northern Long-eared Bat, Piping Plover, Red Knot, Copperbelly Water Snake, Eastern Massasauga, Scioto Madtom, Clubshell Mussel, Fanshell Mussel, Northern Riffleshell Mussel, Pink Mucket Mussel, Purple Cat's Paw Mussel, Rabbitsfoot Mussel, Rayed Bean Mussel, Sheepnose Mussel, Snuffbox Mussel, White Cat's Paw Mussel, American Burying Beetle, Karner Blue Butterfly, Mitchell's Satyr Butterfly, Rusty Patched Bumble Bee, Eastern Prairie Fringed Orchid, Lakeside Daisy, Northern Monkshood, Running Buffalo Clover, Small Whorled Pogonia, Virginia Spiraea	MOA <sub>8</sub>	9/30/2019	N	Y	27 species - MOA with USFWS and Ohio Department of Transportation
48	Pittsburgh	OH	USFWS		NWP PCNs	Eastern Massasauga Rattlesnake, Indiana Bat, Northern Long-eared Bat, Kirtlands Warbler, Piping Plover, Rufa Red Knot, Scioto Madtom, Clubshell, Fanshell, Northern Riffleshell, Pink Mucket Pearlymussel, Purple Cat's Paw Pearlymussel, Rayed Bean, Sheepnose, Snuffbox, White Cat's Paw Pearlymussel, Rabbitsfoot, American Burying Beetle, Karner Blue Butterfly, Mitchell's Satyr, Running Buffalo Clover, Eastern Prairie Fringed Orchid, Lakeside Daisy, Northern Monkshood, Small Whorled Pogonia, Virginia Spiraea, Copperbelly Water Snake, Bald Eagle	SLOPES <sub>2</sub>	7/1/2008	Y	Y	28 species
49	Portland	OR	USFWS		Stream Restoration; Stormwater, Transportation, or Utilities Actions; and In-Water or Over-Water Structure Actions	Bull Trout	SLOPES <sub>2</sub>	6/29/2017	Y	Y	1 species
50	Baltimore	PA	USFWS	Philadelphia Pittsburgh	All permit categories	Atlantic Sturgeon, Bog turtle, Clubshell, Dwarf Wedgemussel, Eastern Massasauga, Indiana Bat, Northeastern Bulrush, Northern Long-eared Bat,	SLOPES <sub>2</sub>	11/25/2020	Y	Y	16 species - Includes coordination with

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Document	Lead Corps District	State(s)	Consulting Agency	Other Corps Districts	Regulated Activities Covered	Covered Species	Document type	Date approved	Conditions	Reporting	Notes
						Northern Riffleshell, Piping Plover, Rabbitsfoot, Rayed Bean, Sheepnose, Shortnose Sturgeon, Small Whorled Pogonia, Snuffbox					Pennsylvania Fish & Boat Commission and Pennsylvania Game Commission
51	Pittsburgh	PA	USFWS		All permit categories	Eastern Massasauga Rattlesnake	MFR <sub>9</sub>	1/11/2019	N	N	1 species
52	Pittsburgh	PA	USFWS		All permit categories	Northern Long-eared Bat	MFR <sub>10</sub>	10/11/2019	N	N	1 species
53	Charleston	SC	USFWS		All permit categories	Northern Long-eared Bat, West Indian Manatee, American Wood Stork, Carolina Heelsplitter	SLOPES <sub>2</sub>	7/26/2016	Y	N	4 species
54	Omaha	SD	USFWS		NWP 3, 12, 14, 33	Topeka Shiner	Programmatic BO <sub>1</sub>	10/26/2014	Y	Y	1 species
55	Nashville	TN	USFWS		Activities within the Mill Creek drainage of Davidson and Williamson Counties, TN	Nashville Crayfish	Programmatic BO <sub>1</sub>	4/14/2020	Y	N	1 species
56	Norfolk	VA	USFWS		All permit categories	Seabeach Amaranth, Gray Bat, Indiana Bat, Northern Long-Eared Bat, Virginia Big-Eared Bat, Cumberland Bean Pearlymussel, Purple Bean, Northeastern Beach Tiger Beetle, Green Blossom Pearlymussel, Slender Chub, Spottfin Chub, Cumberlandian Combshell, Big Sandy Crayfish, Blackside Dace, Duskytail Darter, Fanshell, Sensitive Joint-Vetch, Fluted Kidneyshell, Red Knot, Roanoke Loggerperch, Yellowfin Madtom, Appalacian Monkeyface Pearlymussel, Cumberland Monkeyface Pearlymussel, Pink Mucket Pearlymussel, Oyster Mussel, Sheepnose Mussel, Snuffbox Mussel, Birdwing Pearlymussel, Cracking Pearlymussel, Dromedary Pearlymussel, Littlewing Pearlymussel, Slabside Pearlymussel, Finerayed Pigtoe, Rough Pigtoe, Shiny Pigtoe, Piping Plover, Small Whorled Pogonia, Rough Rabbitsfoot, Spectaclecase Mussel, Spruce-Fir Moss Spider, James Spiny mussel, Carolina Northern Flying Squirrel, Roseate Tern, Green Sea Turtle, Hawksbill Sea Turtle, Kemp's Ridley Sea Turtle, Leatherback Sea Turtle, Loggerhead Sea Turtle,	SLOPES <sub>2</sub>	5/31/2019	Y	Y	52 species - includes Virginia Department of Environmental Quality and Virginia Department of Transportation

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Document	Lead Corps District	State(s)	Consulting Agency	Other Corps Districts	Regulated Activities Covered	Covered Species	Document type	Date approved	Conditions	Reporting	Notes
						Dwarf Wedgemussel, Red-Cockaded Woodpecker					
57	Seattle	WA	USFWS		Aids to navigation, minor bank stabilization repair, mooring buoys, pile repair/replacement, scientific measurement devices	Coastal Puget Sound Bull Trout (CH), Columbia River Bull Trout (CH), Marbled Murrelet, Northern Spotted Owl, Western Snowy Plover, Columbia White-tailed Deer, Oregon Spotted Frog, Western Yellow-billed Cuckoo, Streaked Horned Lark	Programmatic BO <sub>1</sub>	10/20/2016	Y	N	8 species
58	Seattle	WA	USFWS		New and replacement overwater structures, bulkhead repairs and removals, gravel placement in Lake Washington and Lake Sammamish basins	Coastal Puget Sound Bull Trout	Programmatic BO <sub>1</sub>	8/25/2014	Y	Y	1 species
59	Seattle	WA	USFWS		New and replacement overwater structures in Puget Sound	Puget Sound Chinook (CH), Puget Sound Steelhead, HC Summer Chum (CH), Georgia Basin Bocaccio (CH), Georgia Basin Yelloweye Rockfish (CH), Southern Resident Killer Whale, Humpback Whale, Bull Trout (CH), Marbled Murrelet	Programmatic BO <sub>1</sub>	1/20/2017	Y	Y	9 species - includes NMFS
60	Seattle	WA	USFWS		New, ongoing or expansion of existing commercial shellfish aquaculture operations	Puget Sound Chinook (CH), Hood Canal Summer Chum (CH), southern distinct population segment Green Sturgeon (CH), Puget Sound Steelhead (CH), Lower Columbia River Chinook, CR Chum, Georgia Basin Bocaccio (CH), southern distinct population segment Pacific Eulachon (CH), Southern Resident Killer Whale (CH), Bull Trout (CH), Marbled Murrelet, Western Snowy Plover (CH)	Programmatic BO <sub>1</sub>	9/30/2016	Y	Y	10 species - includes NMFS
61	Seattle	WA	USFWS		Fish passage, habitat improvements, beach nourishment, channel restoration	Columbia River Bull Trout (CH), Coastal Puget Sound Bull Trout (CH), Columbian White-tailed Deer, Canada Lynx, Gray Wolf, Pygmy Rabbit, Woodland Caribou, Grizzly Bear, Marbled Murrelet, Northern Spotted Owl, Oregon Silverspot Butterfly, Western Snowy Plover, Golden Paintbrush, Water Howellia, Nelson's Checker-mallow, Kincaid's Lupine, Showy Stickseed, Bradshaw's Desert-parsley, Spalding's Silene/catchfly, Ute Ladies'-tresses	Programmatic BO <sub>1</sub>	9/27/2013	Y	Y	19 species
62	Huntington	WV	USFWS	Pittsburgh	All permit categories	Indiana Bat, Northern Long-eared Bat, Piping Plover, Red Knot, Copperbelly Water Snake, Eastern Massasauga, Scioto Madtom, Clubshell Mussel,	SLOPES <sub>2</sub>	6/30/2020	N	Y	27 species - includes 4(d) Rule consultation

**Table C-1. Active Regional ESA Section 7 Consultation/Coordination Agreements Between Corps Districts and Regional or Field Offices of the U.S. Fish and Wildlife Service**

Document	Lead Corps District	State(s)	Consulting Agency	Other Corps Districts	Regulated Activities Covered	Covered Species	Document type	Date approved	Conditions	Reporting	Notes
						Fanshell Mussel, Northern Riffleshell Mussel, Pink Mucket Mussel, Purple Cat's Paw Mussel, Rabbitsfoot Mussel, Rayed Bean Mussel, Sheepnose Mussel, Snuffbox Mussel, White Cat's Paw Mussel, American Burying Beetle, Karner Blue Butterfly, Mitchell's Satyr butterfly, Rusty Patched Bumble Bee, Eastern Prairie Fringed Orchid, Lakeside Daisy, Northern Monkshood, Running Buffalo Clover, Small Whorled Pogonia, Virginia Spiraea					

NOTE – Critical Habitat (CH) is shown for each species where specifically identified by the appropriate USACE District. Additional documents in this list may also include critical habitat for some species but may not be shown if not specifically identified.

1. Programmatic Biological Opinion – developed through formal consultation with USFWS for specific categories of activities
2. Standard Local Operating Procedures for Endangered Species – developed through coordination and/or consultation with USFWS – guides user to proper ESA determinations and resulting consultation process
3. Programmatic May Affect Not Likely to Adversely Affect – developed through informal consultation with USFWS for specific categories of activities
4. Determination Key – may be an internal USACE document or may be coordinated with USFWS as a tool to guide proper ESA determinations and resulting process
5. IPaC – Determination keys built into the USFWS IPaC system for use by USACE – guides user to proper ESA determinations and resulting consultation process – similar to SLOPES
6. Programmatic Informal Consultation – developed through informal consultation with USFWS for specific categories of activities
7. Biological Opinion and Conference Opinion – developed through formal consultation and coordination with USFWS for specific categories of activities
8. Memorandum of Agreement – developed through coordination with USFWS to guide proper ESA determinations and resulting process for Ohio DOT projects
9. Memorandum for Record - Internal memorandum for record documenting when to submit the NLEB 4(d) Rule Streamlined Consultation Form - based on discussions with Pennsylvania Field Office for USWFS, submission of the consultation form is no longer required, rather it is an optional method for streamlining Section 7 consultation for the NLEB - the USFWS prefers USACE to use the Determination Key that is available in the USFWS Information for Planning and Consultation (IPaC) website
10. Memorandum for Record – USFWS agreement with the PA Fish and Boat Commission (PAFBC) the memo outlines the scenario(s) in which PAFBC may provide clearance for a project - in those scenarios USACE has coordinated a special condition to add to permits satisfying Section 7 responsibilities

**Table C-2. Active Regional ESA Section 7 Consultation/Coordination Agreements Between Corps Districts and Regional or Field Offices of the National Marine Fisheries Service**

Document	Lead Corps District	State(s)	Consulting Agency	Other Corps Districts	Regulated Activities Covered	Covered Species	Document type	Date approved	Conditions	Reporting	Notes
1	South Atlantic Division	AL FL LA MS TX	NMFS	Galveston Jacksonville Mobile New Orleans Vicksburg	Regular maintenance hopper dredging of navigation channels in the Gulf of Mexico, and offshore sand mining for beach restoration/ nourishment activities.	Green Sea Turtle, Leatherback Sea Turtle, Hawksbill Sea Turtle, Kemp's Ridley Sea Turtle, Loggerhead Sea Turtle, Sperm Whale, Humpback Whale, Fin Whale, Blue Whale, Sei Whale, Northern Right Whale, Smalltooth Sawfish, Gulf Sturgeon (CH)	Regional Biological Opinion <sub>1</sub>	11/19/2003	Y	Y	13 species - includes Civil Works
2	Sacramento	CA	NMFS		Restoration Projects	Sacramento River Winter Run Chinook Salmon, California Central Valley Steelhead, Southern Distinct Population Segment of North American Green Sturgeon	Programmatic BO <sub>2</sub>	8/31/2018	Y	Y	3 species - includes NOAA Restoration Center and USFWS
3	Sacramento	CA	NMFS	San Francisco	Docks and Mooring Buoys	Sacramento River Winter Run Chinook Salmon, California Central Valley Steelhead, Southern District Population Segment of North American Green Sturgeon	Programmatic NLAA <sub>3</sub>	9/10/2018	Y	Y	3 species
4	San Francisco	CA	NMFS	Sacramento	<ul style="list-style-type: none"> <li>Boat docks, piers, wharfs and overwater decks</li> <li>bridge repairs, widening, replacement, or removal</li> <li>culvert repair, replacement, upgrades, or removal</li> <li>buoys, floats and other devices to facilitate vessel mooring</li> <li>pipeline repair or replacement</li> <li>geotechnical boring in support of project designs</li> <li>aids to navigation in bays, estuaries, and river mouths.</li> </ul>	Chinook Salmon, Coho Salmon, Steelhead, Green Sturgeon, Leatherback Sea Turtle, Blue Whale, Fin Whale, Humpback Whale, Sei Whale, Sperm Whale, Western North Pacific Gray Whale, Killer Whale, North Pacific Right Whale, Guadalupe Fur Seal	Programmatic BO <sub>2</sub>	9/10/2018	Y	Y	14 species
5	San Francisco	CA	NMFS		Activities described in the Suisun Marsh Long-Term Habitat Management, Preservation, and Restoration Plan	Chinook Salmon, Steelhead, Green Sturgeon	Programmatic BO <sub>2</sub>	7/13/2013	Y	Y	3 species - includes Bureau of Reclamation
6	San Francisco	CA	NMFS		Bio-engineered streambank stabilization activities	Chinook Salmon, Coho Salmon, Steelhead	Programmatic BO <sub>2</sub>	7/1/2020	Y	Y	3 species
7	San Francisco	CA	NMFS		Covers restoration activities funded by NOAA RC in Humboldt, Del Norte, Trinity, Siskiyou, and part of Mendocino counties	Pacific Eulachon, Killer Whale, North American Green Sturgeon, Coho salmon, Chinook Salmon, Steelhead	Programmatic BO <sub>2</sub>	3/21/2020	Y	Y	6 species
8	San Francisco	CA	NMFS		Restoration activities within NMFS's Santa Rosa Office Jurisdiction in California	Coho Salmon, Chinook Salmon, Steelhead	Programmatic BO <sub>2</sub>	6/14/2016	Y	Y	3 species

**Table C-2. Active Regional ESA Section 7 Consultation/Coordination Agreements Between Corps Districts and Regional or Field Offices of the National Marine Fisheries Service**

Document	Lead Corps District	State(s)	Consulting Agency	Other Corps Districts	Regulated Activities Covered	Covered Species	Document type	Date approved	Conditions	Reporting	Notes
9	New England	CT DE MA MD ME NJ NH NY PA RI VA	NMFS	Baltimore New York Norfolk Philadelphia	<ul style="list-style-type: none"> <li>• Aquaculture (shellfish) and artificial reef creation</li> <li>• Routine maintenance dredging and disposal/beach nourishment</li> <li>• Piers, ramps, floats &amp; other structures</li> <li>• Transportation and development (e.g., culvert construction, bridge repair)</li> <li>• Mitigation (fish/wildlife enhancement or restoration)</li> <li>• Bank stabilization</li> <li>• Repair/maintenance</li> </ul>	North Atlantic Right Whale, Fin Whale, Kemp's Ridley Sea Turtle, Leatherback Sea Turtle, Loggerhead Sea Turtle, Green Sea Turtle, Atlantic Sturgeon, Shortnose Sturgeon, Atlantic Salmon	Programmatic BO and NLAA Programmatic Consultation Form <sub>4</sub>	4/12/2017	Y	Y	9 species - available for use by all USACE business lines
10	South Atlantic Division	FL GA NC SC	NMFS	Charleston Jacksonville Savannah Wilmington	Maintenance dredging, sand mining areas ("borrow sites"), and beach renourishment areas in the South Atlantic. Hydraulic and mechanical dredging, and new construction dredging.	Kemp's Ridley Sea Turtle, Green Sea Turtle (CH), Hawksbill Sea Turtle, Leatherback Sea Turtle (CH), Loggerhead Sea Turtle (CH), Atlantic Shortnose Sturgeon, North Atlantic Right Whale (CH), Blue Whale, Fin Whale, Sei Whale, Sperm Whale, Boulder Star Coral, Elkhorn Coral (CH), Lobed Star Coral, Mountainous Star Coral, Pillar Coral, Rough Cactus Coral, Staghorn Coral, Nassau Grouper, Giant Manta Ray, Scalloped Hammerhead Shark, Smalltooth Sawfish, Oceanic Whitetip Shark, Johnsons Seagrass (CH)	Regional Biological Opinion <sub>1</sub>	3/27/20	Y	Y	24 species - includes Civil Works
11	Jacksonville	FL	NMFS		Covers 10 different categories of in water work, including minor dredge and fill and structures, in marine and estuarine waters and for all permit categories under authorities of Sec 10, RHA and Sec 404, CWA	Loggerhead Sea Turtle; Leatherback Sea Turtle; Kemp's Ridley Sea Turtle; Hawksbill Sea Turtle; Green Sea Turtle; Smalltooth Sawfish; Nassau Grouper; Scalloped Hammerhead Shark, Johnson's Seagrass; Gulf Sturgeon, Shortnose Sturgeon, Atlantic Sturgeon; Elkhorn Coral, Staghorn Coral, Boulder Star Coral, Mountainous Star Coral, Lobed Star Coral, Rough Cactus Coral, Pillar Coral; North Atlantic Right Whale, Sei Whale, Blue Whale, Fin Whale, Sperm Whale, Bryde's Whale	Programmatic BO <sub>2</sub>	11/11/2017	Y	Y	25 species
12	Jacksonville	FL	NMFS		In water structure or work in or over Johnson's Seagrass in the State of FL	Johnson's Seagrass	Determination Key <sub>5</sub>	10/1/2002	N	N	1 species
13	Savannah	GA	NMFS		Existing and new artificial reefs	Loggerhead Sea Turtle, Hawksbill Sea Turtle, Kemp's Ridley Sea Turtle, Leatherback Sea Turtle, Shortnose	Programmatic BO <sub>2</sub>	3/30/2017	Y	Y	12 species

**Table C-2. Active Regional ESA Section 7 Consultation/Coordination Agreements Between Corps Districts and Regional or Field Offices of the National Marine Fisheries Service**

Document	Lead Corps District	State(s)	Consulting Agency	Other Corps Districts	Regulated Activities Covered	Covered Species	Document type	Date approved	Conditions	Reporting	Notes
						Sturgeon, Atlantic Sturgeon, Giant Manta Ray, Oceanic Whitetip Shark, Blue Whale, Sperm Whale, Fin Whale, North Atlantic Right Whale					
14	Honolulu	HI	NMFS	<ul style="list-style-type: none"> <li>• American Samoa</li> <li>• Guam</li> <li>• Minor Outlying Islands</li> <li>• Northern Marianna Islands</li> </ul>	<p>Applies to NWP's for a variety of activities, including:</p> <ul style="list-style-type: none"> <li>• Site Preparation for Above-water or Over-water Construction</li> <li>• Survey Activities (e.g. NWP 6)</li> <li>• Marina or Harbor Repair and Improvement Activities (e.g. NWP's 3, 28)</li> <li>• Piling Installation, Repair, Replacement and/or Removal (e.g. NWP 3)</li> <li>• Installation and/or Repair of Buoys and Other Similar Structures (e.g. NWP's 1, 4, 5, 10, 11)</li> <li>• Maintenance Dredging (e.g. NWP 3, 35)</li> <li>• Other Minor Discharges and Dredging/Excavation (e.g. NWP's 18, 19)</li> <li>• Utility Line Installation and Repair (e.g. NWP 12)</li> <li>• Outfall Structure Repair and/or Replacement (e.g. NWP 7)</li> <li>• Maintenance of Existing Bank Stabilization or Shoreline Erosion Protection Structures (e.g. NWP 13)</li> <li>• Stream Clearing Activities (e.g. NWP 3)</li> <li>• Road Repair, and/or Improvements (e.g. NWP's 3, 14)</li> <li>• Bridge Repair and Replacement (e.g. NWP's 3, 14);</li> <li>• Removal of Structures or Vessels (e.g. NWP 22)</li> </ul>	<p>Green Sea Turtle (Central North Pacific distinct population segment, Hawaii; Central West Pacific distinct population segment, Guam/CNMI; Central South Pacific distinct population segment, American Samoa); Hawksbill Sea Turtle; Western North Pacific Humpback Whale (Guam/CNMI Only); Hawaiian Insular False Killer Whale (CH); Scalloped Hammerhead Shark (Guam/CNMI Only); Oceanic Whitetip Shark; Giant Manta Ray; Chambered Nautilus; Hawaiian Monk Seal (CH); Coral Species in American Samoa: Acropora globiceps, Acropora jacquelineae, Acropora retusa, Acropora speciosa, Isopora crateriformis, Euphyllia paradivisa; Coral Species in Guam and CNMI: Acropora globiceps, Acropora retusa, Seriatopora aculeata; Coral Species in the Minor Outlying Islands (Pacific Remote Island Area): Acropora globiceps, Acropora retusa, Acropora speciosa</p>	SLOPES <sub>6</sub>	4/11/2017	Y	Y	16 species
15	Walla Walla	ID	NMFS		Activities that improve ESA habitat (i.e., culvert passage upgrades, vegetated bank stabilization) in Idaho	Bull Trout, Snake River Basin Steelhead, Snake River spring/summer run Chinook Salmon, Snake River fall run Chinook Salmon, Snake River Sockeye Salmon	Programmatic BO <sub>2</sub>	3/11/2019	Y	Y	4 species - includes USFWS
16	Walla Walla	ID	NMFS		Road, culvert, and bridge repair and associated activities proposed by the	Bull Trout, Utah Valvata Snail, Snake River Physa Snail, Bliss Rapids Snail, Northern Idaho Ground Squirrel, Snake	Programmatic BO <sub>2</sub>	5/17/2012	Y	Y	8 species

**Table C-2. Active Regional ESA Section 7 Consultation/Coordination Agreements Between Corps Districts and Regional or Field Offices of the National Marine Fisheries Service**

Document	Lead Corps District	State(s)	Consulting Agency	Other Corps Districts	Regulated Activities Covered	Covered Species	Document type	Date approved	Conditions	Reporting	Notes
					Idaho Transportation Department (in Idaho)	River Basin Steelhead, Snake River spring/summer run Chinook Salmon, Snake River fall run Chinook Salmon, Snake River Sockeye Salmon					- includes USFWS and FHWA
17	Walla Walla	ID	NMFS		Culvert and bridge upgrades on USFS & BLM land in Idaho	Bull Trout, Snake River Basin Steelhead, Snake River spring/summer-run Chinook Salmon, Snake River fall-run Chinook Salmon, Snake River Sockeye Salmon	Programmatic BO <sub>2</sub>	6/4/2012	Y	USFS and BLM only	4 species - includes USFWS - USFS and BLM lead
18	Walla Walla	ID MT NV OR UT WA WY	NMFS	Omaha Portland Sacramento Seattle	Restoration projects receiving Bonneville Power Administration (BPA) funding in the Snake River Basin	Bull Trout, Oregon Chub, Marbled Murrelet, Upper Willamette Chinook Salmon, Upper Willamette Steelhead, Lower Columbia River Chinook Salmon, Threatened, Lower Columbia River Steelhead, Columbia River Chum Salmon, Middle Columbia River Steelhead, Upper Columbia River spring run Chinook Salmon, Upper Columbia River Steelhead, Snake River spring/summer run Chinook Salmon, Snake River fall run Chinook Salmon, Snake River Basin Steelhead, Snake River Sockeye Salmon, Green Sturgeon, Eulachon	Programmatic BO <sub>2</sub>	5/7/2020	Y	BPA only	9 species - includes USFWS - BPA lead
19	Walla Walla	ID OR WA	NMFS	Portland Seattle	Projects funded by USFWS and/or NMFS	Canada Lynx, Columbian White-tailed Deer, Gray Wolf, Grizzly Bear, Mazama Pocket Gopher, Northern Idaho Ground Squirrel, Pygmy Rabbit, Woodland Caribou, Bull Trout, Lahontan Cutthroat Trout, Warner Sucker, Marbled Murrelet, Northern Spotted Owl, Streaked Horned Lark, Western Snowy Plover, Oregon Spotted Frog, Fender's Blue Butterfly, Oregon Silverspot Butterfly, Taylor's Checkerspot Butterfly, Vernal Pool Fairy Shrimp, Bradshaw's Lomatium, Cook's Desert-parsley, Gentner's Fritillary, Golden Paintbrush, Howell's Spectacular Thelypody, Kincaid's Lupine, Large-Flowered Woolly Meadowfoam, Nelson's Checker-mallow, Rough Popcornflower, Spalding's Catchfly, Ute Ladies'-tresses, Water Howellia, Wenatchee Mountains Checkermallow, Western Lily, Willamette Daisy, Lower Columbia	Programmatic BO <sub>2</sub>	12/3/2013	Y	USFWS and NMFS only	44 species - USFWS and NMFS lead

**Table C-2. Active Regional ESA Section 7 Consultation/Coordination Agreements Between Corps Districts and Regional or Field Offices of the National Marine Fisheries Service**

Document	Lead Corps District	State(s)	Consulting Agency	Other Corps Districts	Regulated Activities Covered	Covered Species	Document type	Date approved	Conditions	Reporting	Notes
						River Chinook Salmon, Upper Willamette River Chinook Salmon, Upper Columbia River spring-run Chinook Salmon, Snake River spring/summer run Chinook Salmon, Snake River fall-run Chinook Salmon, Puget Sound Chinook Salmon, Columbia River chum Salmon, Hood Canal summer-run Chum Salmon, Lower Columbia River Coho Salmon, Oregon Coast Coho Salmon, Southern Oregon/Northern California Coasts Coho Salmon, Snake River Sockeye Salmon, Lake Ozette Sockeye Salmon, Lower Columbia River Steelhead, Upper Willamette River Steelhead, Middle Columbia River Steelhead, Upper Columbia River Steelhead, Snake River Basin Steelhead, Puget Sound Steelhead, Puget Sound/Georgia Basin distinct population segment Bocaccio, Puget Sound/Georgia Basin distinct population segment Yelloweye Rockfish, Southern Green Sturgeon, Southern Resident Killer Whale					
20	Wilmington	NC	NMFS		Existing and new artificial reefs	Loggerhead Sea Turtle, Hawksbill Sea Turtle, Kemps Ridley Sea Turtle, Leatherback Sea Turtle, Shortnose Sturgeon, Atlantic Sturgeon, Giant Manta Ray, Oceanic Whitetip Shark, Blue Whale, Sperm Whale, Fin Whale, North Atlantic Right Whale	Programmatic BO <sub>2</sub>	10/18/2019	Y	Y	12 species
21	Portland	OR	NMFS		Existing Farming, Newly Positioned, New/Expanded Farming, and Native Shellfish Exploration in seven (7) estuaries in Oregon	Oregon Coast Coho Salmon, southern distinct population segment Green Sturgeon, southern distinct population segment Eulachon	Programmatic <sup>7</sup>	8/23/2014	Y	Y	3 species - includes Civil Works
22	Portland	OR	NMFS		Activities within the tidally influenced areas of the Oregon Coast, Lower Columbia River, and Lower Willamette River <ul style="list-style-type: none"> <li>• Tide/Flood Gate Removal, Replacement, or Retrofit</li> <li>• Set-Back or Removal of Dikes and Levees</li> </ul>	Lower Columbia River Chinook Salmon, Upper Willamette River Chinook Salmon, Upper Columbia River (spring-run Chinook Salmon, Snake River (CR) spring/summer-run Chinook Salmon, Snake River Fall-run Chinook Salmon, Columbia River chum Salmon, Lower Columbia River Coho Salmon, Oregon Coast Coho Salmon,	Programmatic <sup>8</sup>	5/15/2018	Y	Y	7 species - includes FEMA and FHWA

**Table C-2. Active Regional ESA Section 7 Consultation/Coordination Agreements Between Corps Districts and Regional or Field Offices of the National Marine Fisheries Service**

Document	Lead Corps District	State(s)	Consulting Agency	Other Corps Districts	Regulated Activities Covered	Covered Species	Document type	Date approved	Conditions	Reporting	Notes
					<ul style="list-style-type: none"> <li>• Large Wood and Engineered Logjams</li> <li>• Dam and Legacy Structure Removal</li> <li>• Channel Reconstruction/Relocation</li> <li>• Off- and Side-Channel Habitat Restoration</li> <li>• Streambank Restoration</li> <li>• Livestock Fencing, Stream Crossings and Off-Channel Livestock Watering Facilities</li> <li>• Piling and other Structure Removal</li> <li>• Beaver Habitat Restoration</li> <li>• Wetland Restoration</li> <li>• Temporary Safety Stabilization</li> </ul>	Southern Oregon/Northern California Coast Coho Salmon, Snake River Sockeye Salmon, Lower Columbia River Steelhead, Upper Willamette River Steelhead, Middle Columbia River Steelhead, Upper Columbia River Steelhead, Snake River Basin Steelhead, Southern distinct population segment Pacific Eulachon, Southern distinct population segment Green Sturgeon					
23	Portland	OR	NMFS		<p>Activities involving in-water and over-water structures (including pile driving, access management, and minor discharges) including:</p> <ul style="list-style-type: none"> <li>• Install a new or expanded aid to navigation, mooring buoy, mooring dolphin, recreational boat dock, or recreational boat ramp</li> <li>• Maintain, rehabilitate, replace, or remove an existing in-water or over-water structure</li> <li>• Dredging to maintain vessel access</li> </ul>	Lower Columbia River Chinook Salmon, Upper Willamette River Chinook Salmon, Upper Columbia River (spring-run Chinook, Snake River (CR) spring/summer-run Chinook Salmon, Snake River Fall-run Chinook Salmon, Columbia River Chum Salmon, Lower Columbia River Coho Salmon, Oregon Coast Coho Salmon, Southern Oregon/Northern California Coast Coho Salmon, Snake River Sockeye Salmon, Lower Columbia River Steelhead, Upper Willamette River Steelhead, Middle Columbia River Steelhead, Upper Columbia River Steelhead, Snake River Basin Steelhead, Southern distinct population segment Pacific Eulachon, Southern distinct population segment Green Sturgeon	SLOPES <sub>6</sub>	4/5/2012	Y	Y	7 species - includes Civil Works
24	Portland	OR	NMFS		Install, maintain or improve stormwater facilities, maintain or improve roads, culverts, bridges or utility lines in Oregon	Lower Columbia River Chinook Salmon, Upper Willamette River Chinook Salmon, Upper Columbia River (Upper Columbia River spring-run Chinook Salmon, Snake River (CR) spring/summer-run Chinook Salmon, Snake River Fall-run Chinook Salmon, Columbia River Chum Salmon, Lower Columbia River Coho Salmon, Oregon Coast Coho Salmon, Southern Oregon/Northern California Coast Coho Salmon, Snake River Sockeye Salmon,	SLOPES <sub>6</sub>	3/14/2014	Y	Y	7 species - includes Civil Works

**Table C-2. Active Regional ESA Section 7 Consultation/Coordination Agreements Between Corps Districts and Regional or Field Offices of the National Marine Fisheries Service**

Document	Lead Corps District	State(s)	Consulting Agency	Other Corps Districts	Regulated Activities Covered	Covered Species	Document type	Date approved	Conditions	Reporting	Notes
						Lower Columbia River Steelhead, Upper Willamette River Steelhead, Middle Columbia River Steelhead, Upper Columbia River Steelhead, Snake River Basin Steelhead, Southern distinct population segment Pacific Eulachon, Southern distinct population segment Green Sturgeon					
25	Portland	OR	NMFS		<ul style="list-style-type: none"> <li>• Boulder Placement</li> <li>• Fish Passage Restoration</li> <li>• Large Wood Restoration</li> <li>• Off- and Side-Channel Habitat Restoration</li> <li>• Pile Removal</li> <li>• Set-Back Existing Berms, Dikes, and Levees</li> <li>• Spawning Gravel Restoration</li> <li>• Streambed Restoration</li> <li>• Water Control Structure Removal</li> <li>• Wetland Restoration</li> </ul>	Lower Columbia River Chinook Salmon, Upper Willamette River Chinook Salmon, Upper Columbia River (spring-run Chinook Salmon, Snake River (CR) spring/summer-run Chinook Salmon, Snake River fall-run Chinook Salmon, Columbia River Chum Salmon, Lower Columbia River Coho Salmon, Oregon Coast Coho Salmon, Southern Oregon/Northern California Coast Coho Salmon, Snake River Sockeye Salmon, Lower Columbia River Steelhead, Upper Willamette River Steelhead, Middle Columbia River Steelhead, Upper Columbia River Steelhead, Snake River Basin Steelhead, Southern distinct population segment Pacific Eulachon, Southern distinct population segment Green Sturgeon, distinct population segment Steller Sea Lions, Southern Resident Killer Whale	SLOPES <sub>6</sub>	3/19/2013	Y	Y	9 species - includes Civil Works
26	Seattle	WA	NMFS		Fish passage, habitat improvements, beach nourishment, channel restoration	Lower Columbia River Chinook, Upper Columbia River spring-run Chinook Salmon, Snake River spring/summer-run Chinook Salmon, Snake River fall-run Chinook Salmon, Puget Sound Chinook Salmon, Columbia River Chum Salmon, Hood Canal summer Chum Salmon, Lower Columbia River Coho Salmon, Snake River Sockeye Salmon, Lake Ozette Sockeye Salmon, Lower Columbia River Steelhead, Middle Columbia River Steelhead, Upper Columbia River Steelhead, Snake River Basin Steelhead, Puget Sound Steelhead, southern distinct population segment Eulachon, southern distinct population segment Green Sturgeon, Puget Sound/Georgia Basin	Programmatic BO <sub>2</sub>	6/21/2017	Y	Y	18 species

**Table C-2. Active Regional ESA Section 7 Consultation/Coordination Agreements Between Corps Districts and Regional or Field Offices of the National Marine Fisheries Service**

Document	Lead Corps District	State(s)	Consulting Agency	Other Corps Districts	Regulated Activities Covered	Covered Species	Document type	Date approved	Conditions	Reporting	Notes
						distinct population segment of Yelloweye Rockfish, distinct population segment of Bocaccio Rockfish, Southern Resident Killer Whale, Blue Whale, Fin Whale, Humpback Whale, Sei Whale, Leatherback Sea Turtle, Loggerhead Sea Turtle, Olive Ridley Sea Turtle, Green Sea Turtle					
27	Seattle	WA	NMFS		Aids to navigation, minor bank stabilization repair, mooring buoys, pile repair/replacement, scientific measurement devices	Chinook Salmon Evolutionarily Significant Units (CH) (Upper Columbia River spring, Snake River spring/summer, Snake River fall, Puget Sound, and Lower Columbia River), Chum Salmon Evolutionarily Significant Units (CH) (Hood Canal summer and Columbia River), Lower Columbia River Coho Salmon Evolutionarily Significant Units (CH), Snake River and Ozette Lake Sockeye Salmon Evolutionarily Significant Units (CH), Steelhead distinct populations segments (CH) (Snake River, Middle Columbia River, Lower Columbia River, Puget Sound), Southern Resident Killer Whale (CH), Humpback Whale	Programmatic BO <sub>2</sub>	1/14/2008	Y	Y	7 species
28	Seattle	WA	NMFS		New and replacement overwater structures, bulkhead repairs and removals, gravel placement	Puget Sound Chinook Salmon (CH), Puget Sound Steelhead, Southern Resident Killer Whale	Programmatic BO <sub>2</sub>	2/17/2017	Y	Y	3 species
29	Seattle	WA	NMFS		New and replacement overwater structures in Puget Sound	Puget Sound Chinook (CH), Puget Sound Steelhead, Hood Canal summer Chum (CH), Georgia Basin Bocaccio (CH), Georgia Basin Yelloweye Rockfish (CH), Southern Resident Killer Whale, Humpback Whale, Bull Trout (CH), Marbled Murrelet	Programmatic BO <sub>2</sub>	1/20/2017	Y	Y	9 species - includes USFWS
30	Seattle	WA	NMFS		New, ongoing or expansion of existing commercial shellfish aquaculture operations	Puget Sound Chinook Salmon (CH), Hood Canal Summer Chum (CH), southern distinct population segment Green Sturgeon (CH), Puget Sound Steelhead (CH), Lower Columbia River Chinook Salmon, Columbia River Chum, Georgia Basin Bocaccio (CH), southern distinct population segment Pacific Eulachon (CH), Southern Resident Killer Whale (CH), Bull Trout (CH), Marbled Murrelet, Western Snowy Plover (CH)	Programmatic BO <sub>2</sub>	9/30/2016	Y	Y	10 species

**Table C-2. Active Regional ESA Section 7 Consultation/Coordination Agreements Between Corps Districts and Regional or Field Offices of the National Marine Fisheries Service**

Document	Lead Corps District	State(s)	Consulting Agency	Other Corps Districts	Regulated Activities Covered	Covered Species	Document type	Date approved	Conditions	Reporting	Notes
31	Seattle	WA	NMFS		Habitat Restoration Program	Snake River spring/summer-run Chinook Salmon, Lower Columbia River Chinook Salmon, Puget Sound Chinook Salmon, Lower Columbia River Coho Salmon, Upper Columbia River Steelhead, Snake River Basin Steelhead, Middle Columbia River Steelhead, Lower Columbia River Steelhead, Columbia Chum Salmon, Hood Canal Summer Chum Salmon	4(d) Rule <sub>9</sub>	2/28/2007	Y	N	4 species - NMFS lead
32	Seattle	WA	NMFS		Regional Road Maintenance Program	Puget Sound, Lower Columbia River, Snake River fall-run, Snake River spring/summer-run, and Upper Willamette River Chinook Salmon; Hood Canal summer-run and Columbia River Chum Salmon; Ozette Lake Sockeye Salmon ( <i>O. nerka</i> ), and; Snake River Basin, Lower Columbia River, Upper Willamette River, and Middle Columbia River Steelhead	4(d) Rule <sub>9</sub>	8/15/2013	Y	N	4 species - NMFS lead

NOTE – Critical Habitat (CH) is shown for each species where specifically identified by the appropriate USACE District. Additional documents in this list may also include critical habitat for some species but may not be shown if not specifically identified.

1. Regional Biological Opinion – developed through formal consultation with NMFS for specific categories of activities over a specific regional area
2. Programmatic Biological Opinion – developed through formal consultation with NMFS for specific categories of activities
3. Programmatic Not Likely to Adversely Affect – developed through informal consultation with USFWS for specific categories of activities
4. Programmatic Biological Opinion and Not Likely to Adversely Affect Programmatic Consultation Form - developed through formal consultation with NMFS for specific categories of activities and as a tool to guide proper ESA determinations and resulting process
5. Determination Key – may be an internal USACE document or may be coordinated with NMFS as a tool to guide proper ESA determinations and resulting process
6. Standard Local Operating Procedures for Endangered Species – developed through coordination and/or consultation with USFWS – guides user to proper ESA determinations and resulting consultation process
7. Programmatic “Batched” Consultation covering a series of specific actions
8. TARP - Tidal Area Restoration Authorized, Funded, or Implemented by the Corps of Engineers, Federal Emergency Management Agency, and Federal Highways Administration, in Oregon and the Lower Columbia River. Federal Highway Administration document similar to SLOPES
9. 4(d) Rule – developed by NMFS – specific to certain categories of activities and/or geographic areas – NMFS and applicant coordinate directly and USACE accepts the NMFS determination

**Table C-3. Pending Regional ESA Section 7 Consultation/Coordination Agreements Between Corps Districts and Regional or Field Offices of the U.S. Fish and Wildlife Service**

Document	Lead Corps District	States(s)	Consulting Agency	Other Corps Districts	Regulated Activities to be Covered	Species to be Covered	Document type	Notes
1	North Atlantic Division	CT DE MA MD ME NH NJ NY PA RI VA VT WV	USFWS	New England New York Baltimore Norfolk Philadelphia Buffalo Pittsburgh Huntington	All permit categories	Seabeach Amaranth; Gray Bat; Indiana Bat; Northern Long-eared Bat; Virginia Big-eared Bat; Northeastern Beach Tiger Beetle; Puritan Tiger Beetle; Rusty Patched Bumble Bee; Karner Blue Butterfly; Slender Chub; Spottin Chub; Smooth Coneflower; Big Sandy Crayfish; Guyandotte River Crayfish; Blackside Dace; Candy Darter; Diamond Darter; Duskytail Darter; Harperella; Madison Cave Isopod; Sensitive Joint-vetch; Red Knot; Roanoke Logperch; Furbish's Lousewort; Canada Lynx; Yellowfin Madtom; Clubshell Mussel; Cumberlandian Combshell Mussel; Dwarf Wedge Mussel; Fanshell Mussel; Finerayed Pigtoe Mussel; Fluted Kidneyshell Mussel; Northern Riffleshell Mussel; Oyster Mussel; Purple Bean Mussel; Rabbitsfoot Mussel; Rayed Bean Mussel; Ring Pink Mussel; Rough Pigtoe Mussel; Rough Rabbitsfoot Mussel; Sheepnose Mussel; Shiny Pigtoe Mussel; Snuffbox Mussel; Spectaclecase Mussel; Tan Riffleshell Mussel; Yellow Lance Mussel; Appalachian Monkeyface Pearlymussel; Birdwing Pearlymussel; Cracking Pearlymussel; Cumberland Bean Pearlymussel; Cumberland Monkeyface Pearlymussel; Dromedary Pearlymussel; Littlewing Pearlymussel; Orangefoot Pimpleback Pearlymussel; Pink Mucket Pearlymussel; Slabside Pearlymussel; Tubercled Pearlymussel; Swamp Pink; Piping Plover; Small-whorled Pogonia; Eastern Black Rail; Shale Barren Rock Cress; Atlantic Salmon; Green Sea Turtle; Hawksbill Sea Turtle; Kemp's Ridley Sea Turtle; Leatherback Sea Turtle; Loggerhead Sea Turtle; Virginia Fringed Mountain Snail; Virginia Sneezeweed; James Spiny mussel; Virginia Spiraea; Roseate Tern; Bog Turtle; Red-cockaded Woodpecker	Determination Key <sub>1</sub>	75 species - Will include conditions
2	Jacksonville	FL	USFWS		All permit categories	Frosted Flatwoods Salamander; Red Knot; Piping Plover; Red-cockaded Woodpecker; Gulf Sturgeon; Oval Pigtoe; Suwannee Moccasinshell; American Crocodile; Audubon's Crested Caracara; Everglade Snail Kite; Florida Scrub-jay; Blue-tailed Mole Skink; Sand Skink; Atlantic Salt Marsh Snake; Miami	SLOPES <sub>2</sub>	20 species

**Table C-3. Pending Regional ESA Section 7 Consultation/Coordination Agreements Between Corps Districts and Regional or Field Offices of the U.S. Fish and Wildlife Service**

						Blue Butterfly; Schaus' Swallowtail Butterfly; Florida Grasshopper Sparrow; Anastasia Island Beach Mouse; Florida Salt Marsh Vole; Southeastern Beach Mouse		
3	St. Paul	MN WI	USFWS		All permit categories	Eastern Massassauga Rattlesnake	Determination Key <sub>1</sub>	1 species
4	St. Paul	MN WI	USFWS		All permit categories	Higgins' Eye Pearlymussel, Sheepnose, Snuffbox, Spectaclecase, Winged Mapleleaf	Determination Key <sub>1</sub>	5 species
5	Wilmington	NC	USFWS		Instream activities for Department of Transportation	Tar River Spiny mussel, Yellow Lance, Dwarf Wedge Mussels, Atlantic Pigtoe	Programmatic BO <sub>3</sub>	4 species
6	Wilmington	NC	USFWS		All permit categories	Red Cockaded Woodpecker, Littlewing Pearlymussel, Slabside Pearlymussel, Appalachian Elktoe, Spottfin Chub, Cumberland Bean, Indiana Bat, Gray Bat, Virginia Big-eared Bat, Rough Leafed Loosestrife, Carolina Heelsplitter, Sensitive Joint Vetch, Bog Turtle, Michaux's Sumac, Schweinitz's Sunflower, White Fringeless Orchid, Virginia Spirea, Tar River Spiny mussel, Yellow Lance, Atlantic Pigtoe, Carolina Madtom, Dwarf Wedge Mussel, Cape Fear Shiner, Neuse River Waterdog, James Spiny mussel, Roanoke Logperch	SLOPES <sub>2</sub>	26 species
7	Charleston	SC	USFWS		All permit categories	Frosted Flatwoods Salamander, Pondberry, Red-cockaded Woodpecker, Green Sea Turtle, Kemp's Ridley Sea Turtle, Leatherback Sea Turtle, Loggerhead Sea Turtle, Red Knot, Piping Plover, American Wood Stork, West Indian Manatee, Schweinitz's Sunflower, Dwarf-flowered Heartleaf, Canby's Dropwort, Bunched Arrowhead, American Chaffseed, Carolina Heelsplitter	SLOPES <sub>2</sub>	17 species
8	Memphis	TN	USFWS	Nashville	All permit categories	Amber Darter, Boulder Darter, Barrens Topminnow, Goldline Darter, Black Side Dace, Palezone Shiner, Blue Shiner, Pallid Sturgeon, Blue Mask Darter, Slack Water Darter, Chucky Madtom, Snail Darter, Conasauga Logperch, Spottfin Chub, Cumberland Darter, Anthony's River Snail, Duskytail Darter, Gray Bat, Laurel Dace, Indiana Bat, Pygmy Madtom, Northern Long-eared Bat, Slender Chub, Least Tern Smoky Madtom, Alabama Lamp Mussel, Trispot Darter, Cracking Pearlymussel, Yellowfin Madtom, Cumberlandian Combshell, Virginia Big-eared Bat, Dromedary Pearlymussel, Appalachian Elktoe, Fanshell, Appalachian Monkey Face, Finelined Pocketbook, Birdwing Pearlymussel,	SLOPES <sub>2</sub>	83 species

**Table C-3. Pending Regional ESA Section 7 Consultation/Coordination Agreements Between Corps Districts and Regional or Field Offices of the U.S. Fish and Wildlife Service**

						Finerayed Pigtoe, Catspaw, Fluted Kidneyshell, Clubshell, Littlewing Pearlymussel, Coosa Moccasinshell, Orangefoot, Pimpleback, Cumberland Bean, Oyster Mussel, Cumberland Elktoe, Pale Lilliput, Cumberland Monkeyface, Pink Mucket, Cumberland Pigtoe, Rabbitsfoot, Georgia Pigtoe, Ring Pink, Purple Bean, Rough Pigtoe, Rayed Bean, Sheepnose, Rough Rabbitsfoot, Shiny Pigtoe, Southern Pigtoe, Slabside, Pearlymussel, Tan Riffleshell, Snuffbox, Winged Mapleleaf, Southern Clubshell, Braun's Rockcress, Spectaclecase, Cumberland Rosemary, Triangular Kidneyshell, Large-flowered Skullcap, White Wartyback, Leafy Prairie-clover, Price's Potato Bean, Moorefield Leather Flower, White Fringeless Orchid, Pyne's (=Guthrie's) Ground-plum, Whorled Sunflower, Ruth's Golden Aster, Short's Bladderpod, Small Whorled Pogonia, Spring Creek Bladderpod, Tennessee Yellow-eyed Grass		
9	Omaha	WY	USFWS		Statewide DOT activities/projects 2020-2024 STIP	Black-footed Ferret, Blowout Penstemon, Canada Lynx, Desert Yellowhead, Grizzly Bear, Kendall Warm Springs Dace, North American Wolverine, Northern Long-eared Bat, Preble's Meadow Jumping Mouse, Ute Ladies'-tresses, Yellow-billed Cuckoo, Wyoming Toad, Whitebark Pine	Programmatic BO <sub>3</sub>	13 species

NOTE – Critical Habitat (CH) is shown for each species where specifically identified by the appropriate USACE District. Additional documents in this list may also include critical habitat for some species but may not be shown if not specifically identified.

1. Determination Key – may be an internal USACE document or may be coordinated with USFWS as a tool to guide proper ESA determinations and resulting consultation process
2. Standard Local Operating Procedures for Endangered Species – developed through coordination and/or consultation with USFWS – guides user to proper ESA determinations and resulting consultation process
3. Programmatic Biological Opinion – developed through formal consultation with USFWS for specific categories of activities

**Table C-4. Pending Regional ESA Section 7 Consultation/Coordination Agreements Between Corps Districts and Regional or Field Offices of the National Marine Fisheries Service**

Document	Lead District	State	Agency	Other Districts	Actions covered	Species	Document type	Notes
	New England	ME	NMFS		Small dam removal	Gulf of Maine Distinct Population Segment of Atlantic Salmon (CH), Shortnose Sturgeon, Atlantic Sturgeon (CH)	Programmatic BO <sub>1</sub>	

NOTE – Critical Habitat (CH) is shown for each species where specifically identified by the appropriate USACE District. Additional documents in this list may also include critical habitat for some species but may not be shown if not specifically identified

1. Programmatic Biological Opinion – developed through formal consultation with NMFS for specific categories of activities