

Installation Summaries from the FY 2005 Survey of Threatened and Endangered Species on Army Lands

March 2006

FINAL

**U.S. Army Environmental Center
Aberdeen Proving Ground, Maryland 21010-5401**

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Installation Summaries from the FY 2005 Survey of Threatened and Endangered Species on Army Lands

This report, as part of a continuing series, summarizes the Army's Threatened and Endangered species data. Data are obtained from various sources, including the Army Environmental Data Base - Environmental Quality (AEDB-EQ), U.S. Fish and Wildlife Service (FWS), Headquarters Department of Army (HQDA), Installation Management Agency (IMA) Regions, Major Commands (MACOMs), and Army installations. Installation-level data provide information

on federally-listed species occurrences onsite or contiguous to each installation. Species-level data list all installations on which each species occurs. Corresponding information on federal status, critical habitat, and threatened and endangered species expenditures are provided. Also included in the report is information on species at risk (SAR) and migratory birds, with web links for further information.

Contents

1 Executive Summary	1
2 Introduction	3
Background	3
Objective	3
Approach	4
Scope	4
3 Changes from Fiscal Year (FY) 2004 Threatened, Endangered, Proposed and Candidate Species (TEPC) Survey	5
New Species Reported in FY 2005 and Species Removed from Installations Reporting TEPC in FY 2005	5
4 Summary Information	6
Installation and Species Information	6
Threatened & Endangered (T&E) Species.....	7
Proposed and Candidate Species.....	7
What is a Candidate Species	8
FWS Candidate Species	8
NOAA-Fisheries Candidate Species	9
Experimental Populations Under the ESA	9
Species at Risk	9
Critical Habitat.....	10
What is Critical Habitat and Adverse Modification	9
Installations Excluded from Critical Habitat Designation Based on Endangered Species Act (ESA) 4(a)(3)(B) and/or 4(b)(2).....	12
Expenditures	13
Consistent Reporting.....	14
Migratory Birds	14
5 Definitions	16
6 Acronyms	19
7 References	21
Tables:	
Table 1. Army’s top T&E expenditures for FY 2004 & 2005	2
Table 2. Species reported in FY 2005 that were not reported in FY 2004	5
Table 3. Species removed from installations reporting in FY 2005	5
Table 4. Federal status of onsite or contiguous TEPC species by category for FY 2005	6

Table 5.	Federal status of onsite or contiguous TEPC reported by AMC/ARNG/BRAC/IMA installations.	7
Table 6.	Installations reporting Threatened & Endangered species for FY 2005	7
Table 7.	Installations reporting Candidate species for FY 2005	8
Table 8.	Critical habitat designated on Army installations, as of end FY 2005.....	11
Table 9.	Installations excluded from critical habitat designation.....	12
Table 10.	Reportable expenditures (\$K) over the last 5 years (FY 2000-FY 2005)....	13
Table 11.	FY 2004 & FY 2005 comparison of reportable expenditures (\$K) by category.	13
Table 12.	Number of T&E species by fiscal year.....	14

Figures:

Figure 1.	Onsite T&E by Category for FY 2005	1
Figure 2.	Reportable and Non-reportable T&E expenditures	2

Appendices:

Appendix A:	Installations & the TEPC recorded as Onsite or Contiguous.....	A-1
Appendix B:	TEPC & Installations Where Recorded - Sorted by Scientific Name....	B-1
Appendix C:	TEPC & Installations Where Recorded - Sorted by Common Name by Category	C-1
Appendix D:	Installations with T&E Species Onsite	D-1
Appendix E:	T&E Species found on Army Installations	E-1

1 Executive Summary

As of 1 October 2005, the Army has recorded 188 federally Threatened and Endangered (T&E) (definitions found in section 5) species on 102 installations. Figure 1 shows the breakdown by category of the onsite¹ T&E species for Fiscal Year (FY) 2005. The Army also has 14 installations with designated critical habitat occurring for one or more species, and two (2) of these installations have unoccupied critical habitat. Appendices A, B, and C provide data on all the installations and federally Threatened, Endangered, Proposed, and Candidate Species (TEPC) reported in FY 2005. To allow for quick and easy reference, the data have been sorted by installation, scientific name and common name (by category) in Appendix A, B, C, respectively.

In FY 2005, the Army spent approximately \$42 million on TEPC management. This figure includes Endangered Species Act (ESA) reportable expenses² of approximately \$41 million³, including expenditures on both onsite and contiguous species. In addition, over \$1 million were spent on non-reportable expenses⁴ for onsite and contiguous⁵ species. These monetary figures do not include dollars that are expended by military operations or military construction for work-arounds and avoidance. Figure 2 shows reportable and non-reportable expenses from FYs 1991-2005 (non-reportable costs captured 1998 and forward). Table 1 shows the top ten species, in terms of expenditures, for FY 2004 & 2005.

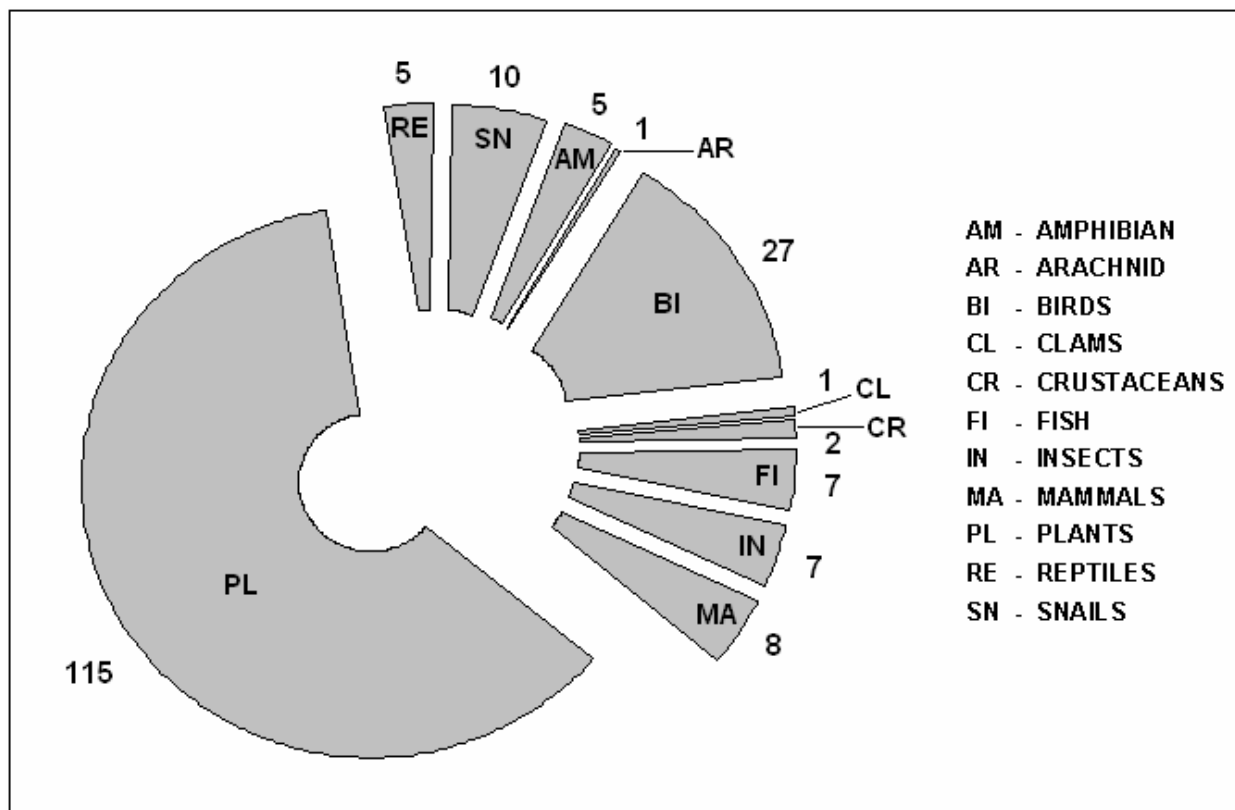


Figure 1. Onsite T&E by Category for FY 2005

¹ Species that have been documented on the installation.

² Money spent primarily for the conservation of Threatened and Endangered species pursuant to the Endangered Species Act.

³ Over 50% of expenditure was for implementation of conservation measures for the expansion of the National Training Center at Fort Irwin.

⁴ Money spent on multi-species projects where no specific amount of money is attributable to individual listed species.

⁵ Species known to occupy or otherwise use habitat adjacent to an installation, which may be affected by installation activities.

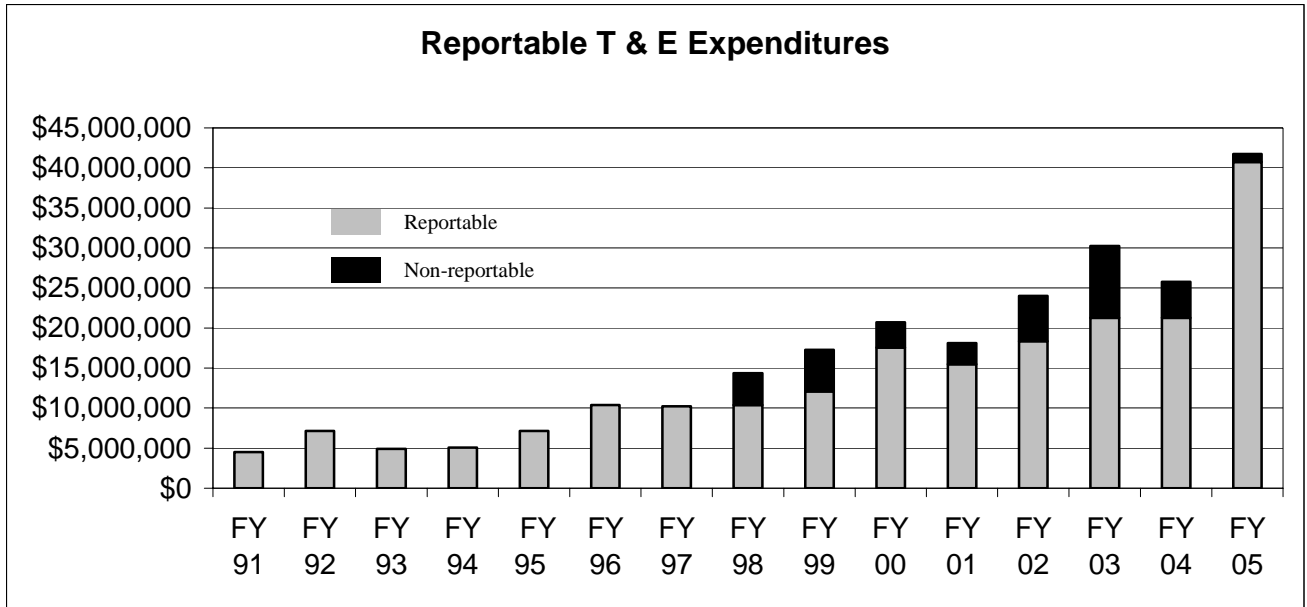


Figure 2. Reportable and Non-reportable T&E expenditures.

Table 1. Army's top T&E expenditures for FY 2004 & 2005.

Top Expenditures for FY 2004		Top Expenditures for FY 2005	
Species Common Name	Reportable Expenditures (\$K)	Species Common Name	Reportable Expenditures (\$K)
Red-cockaded woodpecker	\$4,500.70	Desert tortoise*	\$23,690.4
Golden-cheeked warbler	\$2,137.00	Red-cockaded woodpecker	\$3,811.3
Black-capped vireo	\$2,135.80	Bald eagle	\$2,806.9
Desert tortoise	\$1,083.10	Indiana bat	\$1,178.6
Gopher tortoise	\$930.00	Black-capped vireo	\$991.2
Indiana bat	\$904.70	Golden-cheeked warbler	\$845.0
Gray bat	\$764.90	Gray Bat	\$757.3
Bald eagle	\$708.50	Gopher tortoise	\$725.0
Saint Francis' satyr butterfly	\$400.00	Huachuca water-umbel	\$377.2
Southwestern willow flycatcher	\$335.00	Mexican spotted owl	\$374.4

* Majority of expenditure due to implementation of conservation measures for the expansion of the National Training Center at Fort Irwin.

2. Introduction

Background

The Army's primary mission is to provide national defense. However, as a federal agency, the Army is also required by the ESA to conserve the federally listed T&E species that occur on the lands where it conducts the training of soldiers, testing of weapons and all other functions essential for national defense. Data collection efforts provide the Army with information that it needs to monitor and manage TEPC, species at risk (SAR), and their habitats (refer to Section 5 for an expanded definition of the acronyms). Each year, installations enter data on TEPC into the Army Environmental Data Base – Environmental Quality [AEDB-EQ; formerly known as the Environmental Quality Report (EQR)] to provide Headquarters, Department of the Army (HQDA) with a list of TEPC occurring within their boundaries and on surrounding lands. This information gives the Army the ability to assess the status of its TEPC nationwide, to plan for expenditures related to TEPC, and to deal proactively with any potential conflicts between TEPC and the military mission and management efforts. SAR information is not provided by installations, but was taken from the "Species at Risk on Department of Defense Installations" report prepared by NatureServe [DoD 2004 - an update of the 2002 species of concern report (DoD 2002)], and has been used to identify species that are priority due to their potential for listing and impact on military readiness.

The information provided in this report only reflects those TEPC that are found on or adjacent to property owned or leased by the Army. The Army will also train on land owned by other services. Such lands may have restrictions due to listed or proposed species that affect timing, duration and intensity of training for these units, such as Army National Guard (ARNG) training on Camp Pendleton or Eglin Air Force Base. The respective service landowner reports these species, so they are not captured in this report. However, the Army is still required to comply with ESA for actions on these sites; therefore, the Army's financial responsibilities for ESA compliance extends beyond Army properties.

The Army Reserve has six installations and ±1,500 facilities spread throughout the country. Base operation functions of this Command are part of the Installation Management Agency (IMA). The installations and the 9th Regional Readiness Command (RRC) have transferred over to the IMA Regions, but the facilities have stayed with the Army Reserve. These facilities are all organized and reported under 11 RRCs (excluding the 9th), each covering multiple states. Therefore, TEPC species recorded for the RRCs, the specific location or state where the species occurs is not captured for most of the species recorded in this document.

This report may not capture all the TEPC found on installations that are closed or being closed under Base Realignment and Closure (BRAC) law. The Army does not require these installations to submit data into the AEDB-EQ, nor are they required to prepare Integrated Natural Resources Management Plans (INRMPs) under the Sikes Act (Public Law 86-797, as amended; 16 U.S.C. §§ 670-670f). An independent data request was made to update the BRAC installations. These installations may not have an impact on military training or testing, but the presence of listed species could provide tremendous challenges in the effort to dispose of BRAC property.

Objective

The objective of this project is to analyze and report the most current TEPC information from the FY 2005 AEDB-EQ and other available data sources. This data will help the Army plan how to best comply with its obligations under the ESA and perpetuate its role as an active and effective steward of public land while carrying out its military mission.

Approach

Information summarized by this report is collected from the AEDB-EQ and other sources. TEPC-related AEDB-EQ questions include federal status, presence of critical habitat, and total expenditures for each species on an installation. The U.S. Army Environmental Center (USAEC) obtained other necessary data and clarifications from the U.S. Fish and Wildlife Service (FWS), National Oceanic and Atmospheric Administration - National Marine Fisheries Service (NOAA-Fisheries), HQDA, Major Commands (MACOMs), IMA, and Army installations.

Scope

This report encompasses all Army installations with federally-listed onsite or contiguous species as of the end of FY 2005 (30 September 05). Federally-listed species include: Threatened, Endangered, Proposed Threatened, Proposed Endangered, or Candidate status. For practical purposes, the survey represents a complete census of Army installations with TEPC. Data in this report are most reflective of current installation summaries, as these data were quality assured/quality controlled at the IMA, ARNG, BRAC, RRC, USAEC, and installation levels. The USAEC tracks the interim status of all information, including new federal listings, species status, and critical habitat designations on Army lands.

3. Changes from Fiscal Year (FY) 2004 Threatened, Endangered, Proposed and Candidate Species (TEPC) Survey

New Species Reported and Species Removed from Installations Reporting TEPC in FY 2005

Table 2 reflects species reported by installations for the first time in FY 2005. Eight species recorded by a total of six installations were added since the FY 2004 published report. Twenty of the 22 species are recorded onsite and the Steller sea-lion and the Fender's blue butterfly are recorded as contiguous.

Table 2. Species Reported in FY 2005 that were not reported in FY 2004.

Scientific Name	Common Name	Category	Status
<i>Abutilon sandwicense</i>	No common name	Plant	E
<i>Achatinella bulimoides</i>	Pupu kuahiwi	Snail	E
<i>Chamaesyce herbstii</i>	`Akoko	Plant	E
<i>Cyanea calycina</i>	Haha	Plant	C
<i>Cyanea grimesiana ssp. grimesiana</i>	Haha	Plant	E
<i>Cyanea grimesiana ssp. obatae</i>	Haha	Plant	E
<i>Cyanea longiflora</i>	Haha	Plant	E
<i>Eumetopias jubatus</i>	Sea-lion, Steller	Mammal	T
<i>Icaricia icarioides fenderi</i>	Butterfly, Fender's blue	Insect	E
<i>Joinvillea ascendens ascendens</i>	Ohe	Plant	C
<i>Limnanthes vinculans</i>	Meadowfoam, sebastopol	Plant	E
<i>Manduca blackburni</i>	Moth, Blackburn's sphinx	Insect	E
<i>Megalagrion leptodermis</i>	Damselfly, crimson Hawaiian	Insect	C
<i>Panthera onca</i>	Jaguar	Mammal	E
<i>Phyllostegia kaalaensis</i>	No common name	Plant	E
<i>Phyllostegia parviflora</i>	No common name	Plant	E
<i>Rana subaquavocalis</i>	Frog, Ramsey Canyon leopard	Amphibian	C
<i>Scaphirhynchus albus</i>	Sturgeon, pallid	Fish	E
<i>Schiedea kaalae</i>	No common name	Plant	E
<i>Sesbania tomentosa</i>	Ohai	Plant	E
<i>Stenogyne kanehoana</i>	No common name	Plant	E
<i>Tetramolopium lepidotum ssp. lepidotum</i>	No common name	Plant	E

Table 3 represents the species no longer reported on or contiguous to any Army installation in FY 2005 due to withdrawal from consideration, new distribution information, installation closures, or the species no longer recorded by an installation. The species in Table 3 represent a total of 13 installations.

Table 3. Species removed from installations reporting in FY 2005.

Scientific Name	Common Name	Category	Status 04	Status 05
<i>Achatinella leucorraphe</i>	Pupu kuahiwi	Fish	E	E
<i>Cyanea lanceolata</i>	Haha	Plant	C	C
<i>Cynomys ludovicianus</i>	Prairie dog, black-tailed	Mammal	C	None
<i>Euphilotes enoptes smithi</i>	Butterfly, Smith's blue	Insect	E	E
<i>Korthalsella degeneri</i>	Hulumoa	Plant	C	C
<i>Lasthenia conjugens</i>	Goldfields, Contra Costa	Plant	E	E
<i>Melicope makahae</i>	Alani	Plant	C	C
<i>Oncorhynchus clarki stomias</i>	Trout, greenback cutthroat	Fish	T	T
<i>Platydesma cornuta decurrens</i>	No common name	Plant	C	C

Table 3 continued

Scientific Name	Common Name	Category	Status 04	Status 05
<i>Rana chiricahuensis</i>	Frog, Chiricahua leopard	Amphibian	T	T
<i>Sanicula purpurea</i>	No common name	Plant	E	E

4. Summary Information

Installation and Species Information

For the FY 2005 reporting period, information was collected from a total of 129 installations that have either onsite or contiguous TEPC. Of those responding, 103 installations (79.8%) reported onsite TEPC (one installation reported only candidate species onsite) and 26 installations (20.2%) reported only having contiguous TEPC. No installations reported proposed threatened or proposed endangered species.

Of the 246 TEPC species⁶ recorded onsite or contiguous to Army installations, 169 (68.7%) are Endangered, 46 (18.7%) are Threatened, 30 (12.2%) are Candidates, 2 (<1%) are Threatened due to similarity of appearance [T(S/A)] (American alligator & desert tortoise^{***}) (Table 4). By category, 54.5% of the species are plants, 14.2% are birds, 5.7% are mammals, 5.7% are insects, 5.3% are fish, 5.3% are reptiles, 4.9% are snails, 2.4% are amphibians, 1.2% are crustaceans, <1% are arachnids and clams combined (Table 4).

The 129 installations with onsite or contiguous TEPC include 11 Army Materiel Command (AMC), 59 ARNG, three Army Reserve Readiness Commands (USAR), six BRAC, 11 IMA NE Region (NERO), 9 IMA NW Region (NWRO), seven IMA Pacific Region (PAC), 11 IMA SE Region (SERO), and 12 IMA SW Region (SWRO) installations. Table 5 summarizes the numbers of TEPC species that occur within the MACOMs, BRAC and IMA.

Table 4. Federal Status of Onsite or Contiguous TEPC Species by Category for FY 2005.

	Candidate	Threatened	Endangered	Threatened (S/A)	Total by Category
Amphibians	1	3	2	0	6
Arachnids	0	0	1	0	1
Birds	3	9	24	0	36
Clams	0	0	1	0	1
Crustaceans*	1	1	1	0	3
Fish	1	6	6	0	13
Insects	4	2	8	0	14
Mammals	1	4	9	0	14
Plants**	15	16	103	0	134
Reptiles	3	6	3	2 ^{***}	13
Snails	1	0	11	0	12
Total	30	47	169	1	247

*Due to conservation agreement between Camp Shelby and FWS, the Camp Shelby burrowing crayfish is no longer a Candidate Species.

** One threatened species, the Eggert's sunflower, was delisted on 18 August 2005.

*** Includes the T(S/A) for desert tortoise, which is also listed as threatened on a number of installations.

⁶ Species that have more than one federal designation (i.e., T or E depending on location such as the steelhead in WA, or desert tortoise which has T or T(S/A) status depending on location) or are subspecies of the same species (i.e., Mexican and Northern spotted owls) are recorded as one species.

Table 5. Federal status of onsite or contiguous TEPC reported by AMC/ARNG/BRAC/IMA installations.

	Candidate	Threatened	Endangered	Threatened (S/A)	TOTAL # of Species	# of Records Reported	# Installations W/ Onsite T&Es
AMC	0	3	6	1	10	14	8
Army National Guard Bureau	0	16	14	2	31	122	44
Army Reserve	0	9	5	0	14	14	3 RRCs
BRAC	0	2	3	0	5	8	4
NERO	0	3	4	0	7	18	8
NWRO	7	10	7	0	24	35	8
PAC	15	2	94	0	110	160	6
SERO	0	7	17	1	25	45	10
SWRO	5	9	26	0	40	53	11

Threatened and Endangered (T&E) Species

A total of 216 different T&E species (422 occurrences) were identified by 128 of the 129 installations that reported having onsite or contiguous TEPC. Of the 128 installations, 102 reported having onsite and/or contiguous T&E species. The remaining 26 installations reported having only contiguous T&E species. Of the 216 T&E species, 188 species occurred onsite and the remaining 29 species were reported as being contiguous to at least one installation and not onsite at any installation (Table 6). See Appendix D and E, respectively, for a list of installations with T&E species onsite and of all the T&E species found on Army installations.

Table 6. Installations reporting Threatened & Endangered species for FY 2005.

	Onsite	Contiguous Only	Total
Number of Installations	102	26	128
Number of Distinct Species	188	28	216
Number of Species Occurrences	344	81	425

The bald eagle was the most commonly reported T&E species on Army installations. Fifty-seven installations reported the bald eagle, of which 45 of them identified it as onsite. Thirteen of the installations recorded the bald eagle as the only T&E species found onsite. The red-cockaded woodpecker and Indiana bat were tied for second with each having 11 installations reporting them as onsite or contiguous. Nine installations reported the gray bat on or contiguous to them.

IMA Pacific Region installations have the most T&E species recorded onsite: Schofield Barracks with 43 onsite T&E species, followed by Makua Military Reservation with 38, Kawaihoa Training Area with 28, and Pohakuloa Training Area with 18. A distant fifth is Camp Blanding (ARNG) with eight (8) followed by Fort Stewart (SERO), Fort Hunter Liggett (NERO), White Sands Missile Range (SWRO) and Fort Ruger (ARNG), each with six (6).

Proposed and Candidate Species

A total of 30 distinct Candidate species were identified from the 129 installations that reported having onsite or contiguous TEPC. No installations reported having proposed species. A total of 15

installations reported having Candidate species on or contiguous to them. One of these installations reported having only a Candidate species on or contiguous to them. All 30 distinct Candidate species identified on Army lands occurred within at least one (1) installation's boundary (Table 7).

Table 7. Installations reporting Candidate species for FY 2005.

	Onsite	Contiguous	Total
Number of Installations	14	0	14
Number of Distinct Species	30	0	30

What is a Candidate Species?

FWS Candidate Species:

First and foremost, candidate species are not afforded protection under the ESA. However, these species are eligible for listing and could be proposed for listing or be emergency listed at any time. There are two ways in which a species becomes a candidate species. The first route is via petition and the second route is a FWS internal process.

1) Petition: A person and/or group submits a petition to the FWS to list a species under the ESA. Petitions are basically a factual argument justifying why a species should be listed in accordance with any of the five listing factors [ESA Section 4(a)(1)]. When the FWS receives such a petition, they have 90-days to determine, and then publish in the Federal Register, whether the information in the petition and within their files presents substantial scientific or commercial information indicating that listing the species may be warranted. There are two possible outcomes of a 90-day finding:

a) If the FWS determines that the information available does not warrant listing of the species, then the FWS takes no further action on the petition and the species is no longer considered for listing, at least at that time.

b) If the FWS determines that listing **may** be warranted, then the FWS will initiate a 12-month status review of the species to determine if proposing a rule to list the species **is** warranted. The FWS reviews all the available scientific and commercial information on the species and then after the 12-month period, publishes their findings in the Federal Register. There are three potential outcomes to a 12-month review, and they are:

- (i) Listing is not warranted,
- (ii) Listing is warranted, but precluded by higher listing priority actions (a candidate species is born), or
- (iii) Listing is warranted, and a rule to list the species is proposed.

A species becomes a candidate species if a "(ii)" finding is made.

2) FWS internal process: On 5 December 1996 (61 FR 64481), the FWS made a final decision to include as candidate species those species for which they had sufficient information on file on the biological vulnerability and threat(s) to support issuance of a proposed rule to list the species, but for which a proposed rule is precluded. This standard for making a species a candidate is identical to the standard for making a "warranted-but-precluded" 12-month finding on a petition to list.

Therefore, all candidate species are species in which the FWS has sufficient information on file to support a proposal to list as endangered or threatened, but in which issuance of a proposed rule is currently precluded by higher priority listing actions.

National Marine Fisheries Service (NOAA-Fisheries) Candidate Species

The process NOAA-Fisheries uses to classify a species as a candidate is virtually the same as FWS, but with one difference. If on a 90-day finding NOAA-Fisheries determines that a petition to list a species presents substantial scientific information indicating the petitioned action may be warranted, then they will classify the species as a candidate. Therefore, a positive 90-day finding, and not the 12-month finding as with FWS, is the criteria designating candidate status to a species.

In summary, Candidate species will remain as such until the FWS or NOAA-Fisheries, depending on who has jurisdiction over the species, determines that listing is not warranted, proposes the species for listing, or emergency lists the species within its authority under section 4(b)(7) of the ESA. Once a species is proposed for listing, it is afforded some protection under the ESA.

Experimental Populations Under the ESA

The FWS and NOAA-Fisheries have the authority to reintroduce populations into unoccupied portions of a listed species' historical range when doing so would foster the conservation and recovery of the species. Under section 10(j) of the Act, FWS or NOAA-Fisheries can designate reintroduced populations established outside the species' current range, but within its historical range, as "experimental."

FWS or NOAA-Fisheries determines whether an experimental population is "essential" or "non-essential" to the continued existence of the species. Regulatory restrictions are considerably different between the two designations.

Species designated as "essential experimental populations" are afforded the full protection of the ESA. However, according to the FWS' Threatened and Endangered Species System queried in February 2006, no reintroduced listed species have been given this designation. All experimental population designations to date have been "non-essential."

Under ESA Section 9, a reintroduced species designated as a "non-essential experimental population" (NEP) is treated as threatened or proposed threatened, depending on where it is located.

Within a National Wildlife Refuge or unit of the National Park System, a NEP is treated as a threatened species in which all the provisions of the ESA applies. When a NEP is located on other federal property, the population is treated as a proposed species and section 7(a)(1) and section 7(a)(4) apply. ESA Section 7(a)(4) requires federal agencies to confer (not consult) with FWS or NOAA-Fisheries on actions that are likely to jeopardize the continued existence of a proposed species. The results of a conference are advisory in nature and do not restrict agencies from carrying out, funding, or authorizing activities.

Species at Risk

The DoD Legacy Program funded a cooperative FWS and DoD project to identify species at risk⁷ on military installations. NatureServe prepared the report and delivered it to DoD in 2002 (DoD 2002). In 2004, NatureServe submitted a revised report to DoD that provided more in-depth analyses of SAR within installations and in buffer areas surrounding installations (DoD 2004). Species identified in the report occur on or within a 2 kilometer buffer of a military site. The report is not inclusive of all Army installations. The report does not capture Army Reserve properties other than the Army Reserve installations that are a part of IMA or many of the Army National Guard sites. The report also does not, nor was it intended to, specifically address migratory birds of concern as referenced in Executive Order 13186 -- Responsibilities of federal Agencies To Protect Migratory Birds, but some of these bird species are also identified as SAR. The 2004 report is a useful resource for identifying SAR that may be on or near DoD property. The 2004 report can be accessed at the following web address:

⁷ Species at risk (SAR); species that are classified by NatureServe scientists as critically imperiled (G1 or T1) or imperiled (G2 or T2) on a global scale or Candidate species under the ESA (DoD 2002).

https://www.denix.osd.mil/denix/Public/Library/NCR/Endangered_sp.html

On 29 July 2005, HQDA established policy to manage SAR and their habitats in order to preclude the need for federal listing or prepare installations for imminent listings. The policy specifically focuses on Category 1 installations. The Army is in the process of finalizing policy and guidance of the SAR program that focuses on the proactive conservation of SAR. The goal of the program is to support military readiness and sustainability while furthering conservation of declining species.

Critical Habitat

The FWS and NOAA-Fisheries have designated critical habitat for 474 species; 13 of those species have designations on 14 Army installations (Table 8). There is a total of 15 occurrences of critical habitat on Army installations and of these, two of the designations is on unoccupied critical habitat, which means that the species is not known to occur within the area designated as critical habitat but the area contains those constituent elements essential to the conservation of the species.

What is Critical Habitat and Adverse Modification?

Section 3 of the ESA defines critical habitat as, "(i) the specific areas within the geographic area occupied by the species ... on which are found those physical or biological features (I) **essential to the conservation of the species** and (II) which may require special management considerations or protection; and (ii) specific areas outside the geographic area occupied by the species at the time it is listed ... upon a determination ... that such areas are essential for the conservation of the species." "Conservation" means the use of all methods and procedures that are necessary to bring a listed species to the point at which listing under ESA is no longer necessary, or in other words, "recovery".

Federal agencies are to ensure that their actions do not result in the destruction or adverse modification of critical habitat, which would be an action that has "a direct or indirect alteration that appreciably diminishes the value of critical habitat for **both the survival AND recovery** of a listed species. Such alterations include, but are not limited to, alterations adversely modifying any of those physical or biological features that were the basis for determining the habitat to be critical." (50 CFR Part 402.02). The FWS' application of "destruction or adverse modification" has been identical to a jeopardy determination. With each classification having similar thresholds, the FWS and other federal agencies regarded the designation of statutory critical habitat as providing little additional protection other than for unoccupied areas. Although, for unoccupied critical habitat, survival is not a factor, so by regulatory definition, it would appear impossible to reach the "survival and recovery" threshold; therefore, there is no value of critical habitat on such lands other than the regulatory burden it places upon the Federal agency.

Recently, however, a few federal and circuit court rulings have basically redefined "destruction or adverse modification" to mean impacts on **either survival OR recovery**. The courts believe this is more in line with the statutory definition of critical habitat, which ties critical habitat to conservation (recovery) and not just survival. This new application of the ESA would clearly separate "jeopardy" and "destruction or adverse modification" with the latter now having a lower threshold. Application of this new definition would mean an action could result in the "destruction or adverse modification" of critical habitat without reaching the "jeopardy" threshold. An action proposed on unoccupied critical habitat could now be subject to the "destruction or adverse modification" threshold.

On 9 Dec 04, FWS issued a director's memorandum stating that FWS should no longer rely on the regulatory definition of "destruction or adverse modification" in their evaluation of federal actions. Instead, FWS Regions are to use conservation of the species as their threshold. On 4 January 2006, Army issued critical habitat guidance that address' the changes in the critical habitat designation process and adverse modification threshold. The policy can be found at the following website:

<http://aec.army.mil/usaec/natural/natural01.html>

The list of critical habitat occurrences on Army installations decreased by two from what was recorded in FY 2004. However, there are ten differences from the FY 2004 report. Fort Ord no longer reports critical habitat for three species. The portions of Fort Ord that contained critical habitat are no longer under Army control. The three ARNG Armories in Alaska did not report unoccupied critical habitat for the spectacled eider. Lastly, four installations; Fort Ruger, Kanaio Wets, Kekaha Wets, and Warrenton/Camp Rilea (all ARNG); reported critical habitat for the first time or for a new species (Fort Ruger) in FY05. Critical habitat for their respective species were designated in the past, but not recorded until this time. Table 8 identifies the installations with designated critical habitat and the associated species.

Table 8. Critical habitat designated on Army installations, as of end FY 2005.

MACOM/ Region	Installation	Federal Status	Category	Scientific Name	Common Name	Species Onsite or Contiguous
ARNG	Camp Navajo	T	Bird	<i>Strix occidentalis lucida</i>	Mexican spotted owl	Onsite
ARNG	Fort Ruger	E	Plant	<i>Cyperus trachysanthos</i>	Pu`uka`a	Onsite
ARNG	Fort Ruger	E	Plant	<i>Spermolepis hawaiiensis</i>	No common name	Onsite
ARNG	Kanaio Wets	E	Insect	<i>Manduca blackburni</i>	Blackburn's sphinx moth	Onsite
ARNG	Kekaha Wets	E	Plant	<i>Panicum niuhauense</i>	Lau`ehu	Onsite
ARNG	Santa Cruz Armory	T	Plant	<i>Holocarpha macradenia</i>	Santa Cruz tarplant	Onsite
ARNG	Warrenton/Camp Rilea	T	Insect	<i>Speyeria zerene hippolyta</i>	Oregon silverspot butterfly	Onsite
NWRO	Fort Lewis	T	Bird	<i>Strix occidentalis caurina</i>	Northern spotted owl	Contiguous
PAC	Kawailoa TA	E	Bird	<i>Chasiempis sandwichensis ibidis</i>	O'ahu 'elepaio	Contiguous
PAC	Makua Military Reservation	E	Bird	<i>Chasiempis sandwichensis ibidis</i>	O'ahu 'elepaio	Onsite
PAC	Pohakuloa TA	E	Bird	<i>Loxioides bailleui</i>	Palila	Onsite
PAC	Schofield Barracks Military Reservation	E	Bird	<i>Chasiempis sandwichensis ibidus</i>	O'ahu 'elepaio	Onsite
SWRO	Fort Huachuca	E	Plant	<i>Lilaeopsis schaffneriana</i> var. <i>recurva</i>	Huachuca water-umbel	Onsite
SWRO	Fort Irwin	T	Reptile	<i>Gopherus agassizii</i>	Desert tortoise	Onsite
SWRO	White Sands Missile Range	E	Plant	<i>Hedeoma todsenii</i>	Todsens pennyroyal	Onsite

Installations Excluded from Critical Habitat Designation Based on ESA 4(a)(3)(B) and/or 4(b)(2)

On 24 November 2003, the President signed the National Defense Authorization Act for FY 2004 (NDAA) (Public Law 108-136). Contained within this law are a number of environmental provisions that impact the military. Specifically, Section 318 precludes the FWS and NOAA-Fisheries from designating critical habitat on any areas owned, controlled, or designated for use by the DoD, if such areas are subject to an INRMP that provides a benefit to the species subject to critical habitat designation [ESA 4(a)(3)(B)]. The conference report states that Congress expects the Secretary of the Interior to establish criteria in determining if an INRMP provides benefits to the species. The FWS has produced a draft of these criteria, which are undergoing an internal review. If the FWS/NOAA-Fisheries does not determine an INRMP provides a benefit to the species, then the applicable regulatory agency can designate critical habitat on the respective installation. The act also amends the ESA by requiring the FWS or NOAA-Fisheries to consider the impacts of critical habitat designation on national security. Therefore, the FWS or NOAA-Fisheries may preclude designation of critical habitat on a military reservation if they conclude, regardless of the status of an INRMP, that such a designation would have a significant impact on national security [ESA 4(b)(2)]. However, neither FWS nor NOAA-Fisheries can exclude an area as critical habitat solely based on 4(b)(2) if the exclusion would result in the extinction of the species concerned. Although, the ESA does not prevent FWS from excluding lands as critical habitat even if such exclusion would prevent the conservation of the species. Lastly, NDAA section 318 does not affect the prohibition on the taking of listed species or the requirements to consult and to not jeopardize the species.

Over the past fiscal year, 10 Army installations have been excluded from critical habitat designation based on these ESA amendments. These exclusions were based on both 4(a)(3)(B) and 4(b)(2), and three on both. One common factor for all the exclusions was that the Army installations provided essential information to the FWS or NOAA-Fisheries that was necessary for them to make their determination. Such proactive measures have proven to be very beneficial to Army installations.

To make the “benefit” determination of an INRMP, the FWS has been using the following criteria: (1) A current INRMP must be complete and provide a conservation benefit to the species; (2) the plan must provide assurances that the conservation management strategies will be implemented; and (3) the plan must provide assurances that the conservation management strategies will be effective, by providing for periodic monitoring and revisions as necessary. Table 9 lists the 10 installations that the FWS has excluded from critical habitat designation. The Army was excluded from critical habitat for seven species, with a total of 14 exclusions.

Table 9. Installations excluded from critical habitat designation.

INSTALLATION	SPECIES	EXCLUSION	DATE
Fort Hunter Liggett	Vernal pool fairy shrimp	4(b)(2)	3/8/05
Camp Roberts	Vernal pool fairy shrimp	4(a)(3)(B)	3/8/05
Fort Irwin	Lane-mountain milk-vetch	4(b)(2)	4/8/05
Fort Hunter Liggett	Arroyo toad	4(b)(2)	4/13/05
Fort Hunter Liggett	California tiger salamander	4(a)(3)(B)	8/23/05
Fort Ord	California tiger salamander	4(b)(2)	8/23/05
Parks RFTA	California tiger salamander	4(a)(3)(B)	8/23/05
Camp Roberts	Steelhead	4(a)(3)(B)	9/2/05
Camp San Luis Obispo	Steelhead	4(a)(3)(B)	9/2/05
Fort Lewis	Chinook salmon	4(a)(3)(B) & 4(b)(2)	9/2/05
Pier 23	Chinook salmon	4(a)(3)(B) & 4(b)(2)	9/2/05
Yakima Training Center	Steelhead	4(a)(3)(B) & 4(b)(2)	9/2/05

Table 9 continued

INSTALLATION	SPECIES	EXCLUSION	DATE
Mare Island Army Reserve Center	Steelhead	4(a)(3)(B)	9/2/05
Fort Lewis	Bull trout	4(a)(3)(B)	9/26/05

Expenditures

T&E expenditures are broken down into reportable and non-reportable expenditures. Reportable expenditures include money spent primarily for the conservation of T&E species pursuant to the ESA, in which the expenditures can be identified for a specific species. Non-reportable expenditures are money spent on multi-species projects where no specific amount of money is attributable to individual listed species. These expenses are typically incurred to prevent listing or proactively prepare an installation, with respect to the ESA, if such a species is listed. Table 10 provides a summary of Army reportable expenses from FY2000-FY2005.

In reportable expenditures, a total of \$40,998K was spent for onsite T&E species in FY 2005, which includes funds spent on T&E research and development projects. This figure is nearly \$20 million greater than the second highest FY expenditure. The dramatic increase is due to implementation of desert tortoise conservation measures by Fort Irwin for the expansion of the National Training Center. Expenditures for all species categories is provided in Table 11. Expenditures for specific Candidate species were reported as approximately \$250K in FY 2005.

Approximately \$1,010K was spent by ARNG, but no funds were expended by AMC, BRAC or Army Reserve installations on reportable species in FY 2005. Under the IMA in FY 2005, the NERO spent approximately \$2,200K, NWRO \$1,270K, PAC \$2,480K, SERO \$4,430K, and SWRO \$27,700K on reportable species.

An additional \$1,002K was spent in non-reportable expenditures in FY 2005. This figure is considerably lower than previous years because non-reportable expenditures were not captured in the FY05 AEDB-EQ data call.

Table 10. Reportable expenditures (\$K) over the last 5 years (FY 2000-FY 2005).

Year (FY)	2005	2004	2003	2002	2001	2000
Reportable Expenditures (\$K)	\$40,997.6	\$21,271.4	\$21,274.8	\$18,369.3	\$15,533.6	\$17,568.6

Table 11. FY 2004 & FY 2005 comparison of reportable expenditures (\$K) by category.

FY 2004 Expenditures (\$K)		FY 2005 Expenditures (\$K)	
Mammals	\$2,111.2	Mammals	\$2,332.2
Birds	\$10,552.7	Birds	\$9,500.4
Reptiles	\$2,057.8	Reptiles	\$24,436.8*
Amphibians	\$394.3	Amphibians	\$161.0
Fish	\$121.0	Fish	\$213.7
Arachnids	\$50.0	Arachnids	\$100.0
Insects	\$744.2	Insects	\$735.0
Snails	\$523.4	Snails	\$191.0
Crustaceans	\$204.7	Crustaceans	\$118.8
Plants	\$4,512.7	Plants	\$3,208.7

Consistent Reporting

The Army is frequently asked for information on T&E species. However, the intricacy of the data results in multiple answers to the question, "How many T&E species are on Army lands?" For consistency, the number provided, unless other data are specifically requested, will be the number of different T&E species recorded as onsite⁸, not contiguous to, Army installations. A Threatened or Endangered species may be recorded on more than one installation, but it is only counted once. Species that have more than one status (i.e., threatened in one part of its range and endangered in another) are recorded as one species. This rationale also applies to listed subspecies, such as the *Cyanea grimesiana ssp. Grimesiana* and *Cyanea grimesiana ssp. obatae* are reported as one species even though they are listed separately. Table 12 shows these numbers for FY 2000 through FY 2005. In the table, the number of installations reflects the number of distinct installations that have recorded one or more T&E species onsite.

Table 12. Number of T&E species by fiscal year.

	Fiscal Year	# of species	# of installations
Onsite	2000	170	94
	2001	172	99
	2002	170 ^a	92 ^a
	2003	175	95
	2004	177	100
	2005	188	102

^a Figures for FY 2002 are not official.

Migratory Birds

In June of 2004, the FWS published a **proposed rule** on the take of migratory birds by the DoD. This proposed rule was a requirement of Section 315 of the NDAA of 03, which exempted DoD from the **unintentional take of migratory birds during military readiness activities**. In short, the proposed rule requires DoD to confer and cooperate with FWS to develop appropriate conservation measures to minimize or mitigate actions that have or may have significant adverse effects on migratory bird populations. Though it is anticipated that the probability is low for any action to reach the level of significant adverse effect on a population, the species most likely to experience negative impacts at a population level would be those identified as species of concern. The final rule is anticipated sometime in the second or third quarter of FY 06.

The Executive Order (EO) 13186 - Responsibilities of Federal Agencies to Protect Migratory Birds, requires each Federal agency to develop and implement, a Memorandum of Understanding (MOU) with the FWS that shall promote the conservation of migratory bird populations. The MOU, amongst other things, require federal agencies to minimize the unintentional take of migratory birds, with emphasis on species of concern. The DoD **MOU** will focus on **actions that are not classified as military readiness activities**.

Although the focus of both the rule and EO are migratory bird species of concern, there is no one-source that specifically identifies all the different species of concern. There are currently seven different sources, listed below, that identify these species of concern. The most basic geographical unit by which migratory birds are designated as species of concern is the Bird Conservation Region (BCR). The species of concern identified within these BCRs are the species DoD are to be most concerned about.

⁸ Proposed species are not included in this number, even though for management purposes the Army considers them the same as T&E species.

However, not all the resources listed specifically identify which bird species are considered migratory bird species of concern on a BCR level.

- Birds of Conservation Concern published by the FWS
- North American Waterbird Conservation Plan
- United States Shorebird Conservation Plan
- Partners in Flight Bird Conservation Plans
- North American Waterfowl Management Plan
- Listed threatened and endangered bird species
- Game birds below desired population sizes

To address this problem, USAEC assisted DoD Partners in Flight with the development of a database that identifies the bird species of concern as well as the DoD installations found within each BCR. The database can be viewed at:

<http://dodpif.org/BCRMap.htm>

At this site, you can identify the BCR where your installation occurs and view all the migratory bird species of concern within that BCR.

Army has issued two policies relating to migratory birds. These policies can be found at:

<http://aec.army.mil/usaec/natural/natural01.html>

5. Definitions

Biological Opinion – The document that states the opinion of the FWS/ NOAA-Fisheries as to whether or not a federal agency's proposed action is likely to jeopardize the continued existence of a listed species or result in the destruction or adverse modification of critical habitat.

Category – Species are divided into the following categories in this report:

amphibians	insects
arachnids	mammals
birds	plants
crustaceans	reptiles
clams	snails
fish	

Category 1 Installations – Installations that have an Army-wide strategic and enduring training mission capability.

Constituent Elements – Physical and biological features of designated or proposed critical habitat essential to the conservation of the species, including, but not limited to: (1) space for individual and population growth, and for normal behavior; (2) food, water, air, light, minerals, or other nutritional or physiological requirements; (3) cover or shelter; (4) sites for breeding, reproduction, rearing of offspring, germination, or seed dispersal; and (5) habitats that are protected from disturbance or are representative of the historic geographic and ecological distributions of a species.

Consultation – The process in which each Federal agency consults with FWS/NOAA-Fisheries to insure that any action they authorize, fund, or carry out is not likely to **jeopardize** the continued existence of a listed species or result in the destruction or **adverse modification** of designated critical habitat. In fulfilling these requirements, each agency is to use the best scientific and commercial data available. Consultation can be conducted as follows:

Formal Consultation – The process between USFWS/ NOAA-Fisheries and a federal agency that commences when the federal agency determines its action may adversely affect a listed species or critical habitat. The federal agency then submits a written request for consultation with USFWS/ NOAA-Fisheries. The process concludes with the issuance of a Biological Opinion from the USFWS/ NOAA-Fisheries, stating whether or not the action is likely to result in jeopardy to the species or adverse modification of critical habitat.

Informal Consultation – The informal consultation process that may be requested by a federal agency, a designated non-federal representative, or other applicant. Informal consultation may include such topics as which species occur in the proposed action area, and what effect the action may have on listed species or critical habitats. Informal consultation often concludes with USFWS/ NOAA-Fisheries providing written concurrence with the federal agency's determination that its action is not likely to adversely affect listed species or critical habitat.

Critical Habitat – ESA Section 3(5)(A) “(i) the specific areas within the geographical area occupied by the [listed] species, at the time it is listed in accordance with the provisions of section 4 of this Act, on which are found those physical or biological features (I) essential to the conservation of the species and (II) which may require special management considerations or protection; and (ii) specific areas outside the geographical area occupied by the species at the time it is listed in accordance with the provisions of section 4 of this Act, upon a determination by the Secretary that such areas are essential for the conservation of the species.”

Distinct Species – A species may occur on several installations, but is only counted once for purposes of assessing the number of distinct species found Army-wide. For example, species X may occur on five

installations, but when the total number of species is presented, species X is only counted once. In addition, a species that has two listed subspecies (i.e., Mexican and northern spotted owls) or has multiple evolutionary significant units listed (i.e., salmon and steelhead) is only counted as one species.

Expenditures – The total cost for managing each federally listed T&E species for which funds were expended during the reporting fiscal year. Guidelines for reporting T&E expenditures are provided by the USFWS. Guidance is based on the notion of "reasonably identifiable Federal Expenditures made primarily for the conservation of Endangered and Threatened species pursuant to this [Threatened and Endangered Species] Act."

Federal Status

E – Federally Endangered

T – Federally Threatened

T(S/A) – Threatened due to Similarity of Appearance

PE – Federally Proposed as Endangered (none reported this FY)

PT – Federally Proposed as Threatened (none reported this FY)

C – Candidate for Federal Listing

Federal Action [Proposed Action] – Any activity permitted, funded, or conducted by a federal agency.

G# - Global conservation status ranks of species, assigned by NatureServe scientists:

G1 – Critically imperiled globally because of extreme rarity or because of some factor(s) making it especially vulnerable to extinction. Typically 5 or fewer occurrences or very few remaining individuals (<1,000).

G2 – Imperiled globally because of rarity or because of some factor(s) making it very vulnerable to extinction or elimination. Typically 6 to 20 occurrences or few remaining individuals (1,000 to 3,000).

Installation – The term installation includes active military installations, state ARNG offices, ARNG training sites, Army ammunition plants and depots, and regional support centers for the Army Reserve. Analyses in this report do not make a distinction between the various types. In some cases it was difficult to define "installation" data because some ARNG state offices, for example, reported on an individual basis, while others reported at the state level.

Installation Management Agency (IMA) - Installations, excluding the National Guard installations, are divided into 5 U.S. regions; Northeast, Northwest, Southeast, Southwest, and Pacific Regions. IMA Regions are responsible for supporting installation base operations. The Army Reserve base-operations is also under IMA.

Jeopardy Biological Opinion – A Biological Opinion issued by the USFWS or NOAA-Fisheries stating that a proposed action is likely to jeopardize the continued existence of listed species or result in the destruction or adverse modification of critical habitat.

Non-jeopardy Biological Opinion – A Biological Opinion issued by the USFWS or NOAA-Fisheries stating that a proposed action may affect, but is not likely to jeopardize the continued existence of listed species or result in adverse modification of critical habitat.

Species Occurrence – An occurrence is equivalent to an individual record. For example, a species that occurs on three installations is recorded as having three occurrences.

S/A – Similarity of Appearance – A species that closely resembles a Threatened or Endangered species may be given the federal status of the species it resembles. Similarities of Appearance species are denoted with a T(S/A) or E(S/A). However, no distinction is made between S/A and T&E for reporting purposes.

Species at Risk (SAR) – Species that are Candidates under the ESA and/or are considered to be critically imperiled (global rank of G1 or T1) or imperiled (global rank of G2 or T2) and have not been federally listed (DoD 2004).

Species Location

Contiguous – Species known to occupy or otherwise use habitat adjacent to an installation, which may be affected by installation military activities and land management practices. Contiguous species are of concern to installations because of the possibility that they may at some future time be found on the installation or the installation activities may affect the species and be included in the action area for assessing potential effects.

Onsite – Species that have been documented on the installation.

T # – The status of infraspecific taxa (subspecies or varieties) following a species' global rank:

T1 – Subspecies or variety critically imperiled globally because of extreme rarity or because of some factor(s) making it especially vulnerable to extinction.

T2 – Subspecies or variety imperiled globally because of rarity or because of some factor(s) making it very vulnerable to extinction or elimination.

T&E – The term T&E includes only federally Threatened and Endangered species. These two statuses include S/A species.

TEPC – The term includes all federally Threatened, Endangered, Proposed, and Candidate species on Army lands.

6. Acronyms

AAP	Army Ammunition Plant
AD	Army Depot
AEDB-EQ	Army Environmental Data Base – Environmental Quality
AMC	U.S. Army Materiel Command
ARNG	Army National Guard
ATEC	Army Test and Evaluation Command
BCR	Bird Conservation Region
BG	Brigadier General
BRAC	Base Realignment and Closure
CFR	Code of Federal Regulations
CH	critical habitat
DoD	Department of Defense
EO	Executive Order
EQR	Environmental Quality Report
ESA	Endangered Species Act
FR	Federal Register
FWS	U.S. Fish and Wildlife Service
FY	fiscal year
G1	global rank of critically imperiled
G2	global rank of imperiled
HQ	Headquarters
HQDA	Headquarters, Department of Army
IMA	Installation Management Agency
INRMP	Installation Natural Resources Management Plan
LTA	Local Training Area
MACOM	Major Command
MDW	Military District of Washington
MEDCOM	Medical Command
MIL	Military
MOU	Memorandum of Understanding
MTMC	U.S. Army Military Traffic Management Command
NDAA	National Defense Authorization Act
NERO	Installation Management Agency, Northeast Region
NOAA-Fisheries	National Oceanic and Atmospheric Administration - National Marine Fisheries Service
NWRO	Installation Management Agency, Northwest Region
OMS	Organizational Maintenance Shop
QA/QC	quality assurance/quality control
PAC	Installation Management Agency, Pacific Region
RFTA	Reserve Forces Training Area
RRC	Regional Readiness Command
RSRVTN	Reservation
SAR	species at risk
SERDP	Strategic Environmental Research & Development Program
SERO	Installation Management Agency, Southeast Region
SMDC	U.S. Army Space & Missile Defense Command
STARC	State Area Command
SWRO	Installation Management Agency, Southwest Region
T1	subspecies or varieties global rank of critically imperiled
T2	subspecies or varieties global rank of imperiled
T&E	Threatened and Endangered species
T(S/A)	Threatened due to similarity of appearance
TA	Training Area

TEPC	Threatened, Endangered, Proposed, and Candidate species
TML	Terminal
TS	Training Site
USACE	U.S. Army Corps of Engineers
USAEC	U.S. Army Environmental Center
USARC	U.S. Army Reserve Command
USARPAC	U.S. Army Pacific Command
USARSO	U.S. Army South Command
USC	United States Code
USMA	U.S. Military Academy
WETS	Weekend Training Site
UTES	Unit Training Equipment Site

7. References

Army Environmental Data Base – Environmental Quality

Code of Federal Regulations - Title 50 - Wildlife and Fisheries - Part 402.02

Department of Defense. July 2002. Species of Concern (SOC) on Department of Defense Installations. Prepared and submitted by NatureServe, under contract with DoD.

Department of Defense. January 2004. Species at Risk on Department of Defense Installations. Prepared and submitted by NatureServe, under contract with DoD.

Endangered Species Act of 1973 - Public Law 93-205, as amended (16 U.S.C. 1531, *et seq.*)

National Defense Authorization Act 2004 - Public Law 108-136

Rubinoff, J., S. Sekscienski, B. Woodson and T. Wills. April 2005. Installation Summaries from the FY 2004 Survey of Threatened and Endangered Species on Army Lands. Technical Report (TR) 2005008, USAEC.

Appendix A: Installations & the TEPC recorded as Onsite or Contiguous

IMA Region/ MACOM	Installation	State	FWS Region	Scientific Name (Genus species)	Common Name	Onsite/ Contiguous	Federal Listing Status	Category	Critical Habitat Onsite
AMC	Anniston Army Depot	AL	4	<i>Xyris tennesseensis</i>	Grass, Tennessee yellow-eyed	Onsite	E	Plant	N
AMC	Blue Grass Army Depot	KY	4	<i>Trifolium stoloniferum</i>	Clover, running buffalo	Onsite	E	Plant	N
AMC	Deseret Chemical Depot	UT	6	<i>Haliaeetus leucocephalus</i>	Eagle, bald	Contiguous	T	Bird	N
AMC	Hawthorne Army Depot	NV	1	<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N
				<i>Oncorhynchus clarki henshawi</i>	Trout, Lahontan cutthroat	Contiguous	T	Fish	N
AMC	Holston AAP	TN	4	<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N
				<i>Myotis grisescens</i>	Bat, gray	Onsite	E	Mammal	N
AMC	Iowa AAP	IA	3	<i>Myotis sodalis</i>	Bat, Indiana	Onsite	E	Mammal	N
AMC	Lone Star AAP	TX	2	<i>Alligator mississippiensis</i>	Alligator, American	Onsite	T(S/A)	Reptile	N
AMC	McAlester AAP	OK	2	<i>Nicrophorus americanus</i>	Beetle, American burying	Onsite	E	Insect	N
AMC	Newport Chemical Depot	IN	3	<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N
				<i>Myotis sodalis</i>	Bat, Indiana	Onsite	E	Mammal	N
				<i>Desmocerus californicus dimorphus</i>	Beetle, valley elderberry longhorn	Contiguous	T	Insect	N
AMC	Riverbank AAP	CA	1	<i>Pseudocopaeodes eunus obscurus</i>	Skipper, Carson wandering	Contiguous	E	Insect	N
ARNG	Sierra Army Depot (Clinton) Truman Reservoir TS	MO	3	<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N
ARNG	Auburn Training Site	ME	5	<i>Isotria medeoloides</i>	Pogonia, small whorled	Onsite	E	Plant	N
ARNG	BG Thomas B. Baker TS	MD	5	<i>Ptilimnium nodosum</i>	Harperella	Onsite	E	Plant	N
ARNG	Camp Ashland	NE	6	<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N
ARNG	Camp Atterbury	IN	3	<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N
				<i>Myotis sodalis</i>	Bat, Indiana	Onsite	E	Mammal	N
ARNG	Camp Beauregard	LA	4	<i>Picoides borealis</i>	Woodpecker, red- cockaded	Contiguous	E	Bird	N
ARNG	Camp Blanding	FL	4	<i>Alligator mississippiensis</i>	Alligator, American	Onsite	T(S/A)	Reptile	N
				<i>Aphelocoma coerulescens</i>	Jay, Florida scrub	Onsite	T	Bird	N
				<i>Drymarchon corais couperi</i>	Snake, eastern indigo	Onsite	T	Reptile	N
				<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N
				<i>Mycteria americana</i>	Stork, wood	Onsite	E	Bird	N
				<i>Picoides borealis</i>	Woodpecker, red- cockaded	Onsite	E	Bird	N
				<i>Puma concolor coryi</i>	Panther, Florida	Onsite	E	Mammal	N
				<i>Rhododendron chapmanii</i>	Rhododendron, Chapman	Onsite	E	Plant	N
ARNG	Camp Bowie	TX	2	<i>Vireo atricapillus</i>	Vireo, black-capped	Onsite	E	Bird	N
ARNG	Camp Crowder	MO	3	<i>Amblyopsis rosae</i>	Cavefish, Ozark	Contiguous	T	Fish	N
				<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N
ARNG	Camp Grafton	ND	6	<i>Charadrius melodus</i>	Plover, piping	Contiguous	T	Bird	N
ARNG	Camp Grayling	MI	3	<i>Dendroica kirtlandii</i>	Warbler, Kirtland's	Onsite	E	Bird	N

IMA Region/ MACOM	Installation	FWS State	Region	Scientific Name (Genus species)	Common Name	Onsite/ Contiguous	Federal Listing Status	Category	Critical Habitat Onsite
ARNG	Camp Grayling (cont'd)			<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N
				<i>Sistrurus catenatus</i>	Massasauga, eastern	Onsite	C	Reptile	N
				<i>Solidago houghtonii</i>	Goldenrod, Houghton's	Onsite	T	Plant	N
ARNG	Camp Gruber Training Site	OK	2	<i>Nicrophorus americanus</i>	Beetle, American burying	Onsite	E	Insect	N
ARNG	Camp Guernsey	WY	6	<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N
ARNG	Camp J.T. Robinson	AR	4	<i>Haliaeetus leucocephalus</i>	Eagle, bald	Contiguous	T	Bird	N
ARNG	Camp Mabry	TX	2	<i>Dendroica chrysoparia</i>	Warbler, golden-cheeked	Onsite	E	Bird	N
ARNG	Camp Maxey	TX	2	<i>Nicrophorus americanus</i>	Beetle, American burying	Onsite	E	Insect	N
ARNG	Camp Murray	WA	1	<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N
ARNG	Camp Navajo	AZ	2	<i>Strix occidentalis lucida</i>	Owl, Mexican spotted	Onsite	T	Bird	Y
ARNG	Camp Perry	OH	3	<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N
ARNG	Camp Ripley	MN	3	<i>Canis lupus</i>	Wolf, gray	Onsite	T	Mammal	N
				<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N
ARNG	Camp Roberts	CA	1	<i>Branchinecta lynchi</i>	Fairy shrimp, vernal pool	Onsite	T	Crustacean	N
				<i>Chlorogalum purpureum</i>	Amole, purple	Onsite	T	Plant	N
				<i>Gymnogyps californianus</i>	Condor, California	Contiguous	E	Bird	N
				<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N
				<i>Oncorhynchus mykiss</i>	Steelhead	Onsite	E	Fish	N
				<i>Vireo bellii pusillus</i>	Vireo, least Bell's	Contiguous	E	Bird	N
ARNG	Camp San Luis Obispo	CA	1	<i>Vulpes macrotis mutica</i>	Fox, San Joaquin kit	Onsite	E	Mammal	N
				<i>Cirsium fontinale</i> <i>var.obispoense</i>	Thistle, Chorro Creek bog	Onsite	E	Plant	N
				<i>Gymnogyps californianus</i>	Condor, California	Onsite	E	Bird	N
				<i>Helminthoglypta walkeriana</i>	Snail, Morro shoulderband	Contiguous	E	Snail	N
				<i>Oncorhynchus mykiss</i>	Steelhead	Onsite	E	Fish	N
				<i>Rana aurora draytonii</i>	Frog, California red-legged	Onsite	T	Amphibian	N
				<i>Vireo bellii pusillus</i>	Vireo, least Bell's	Onsite	E	Bird	N
ARNG	Camp Shelby	MS	4	<i>Alligator mississippiensis</i>	Alligator, American	Onsite	T(S/A)	Reptile	N
				<i>Fallicambarus gordonii</i>	Crayfish, Camp Shelby burrowing	Onsite	C	Crustacean	N
				<i>Gopherus polyphemus</i>	Tortoise, gopher	Onsite	T	Reptile	N
				<i>Isoetes louisianensis</i>	Quillwort, Louisiana	Onsite	E	Plant	N
				<i>Picooides borealis</i>	Woodpecker, red-cockaded	Contiguous	E	Bird	N
				<i>Pituophis melanoleucus lodingi</i>	Snake, black pine	Onsite	C	Reptile	N
				ARNG	Camp Smith Training Site	NY	5	<i>Acipenser brevirostrum</i>	Sturgeon, shortnose
				<i>Haliaeetus leucocephalus</i>	Eagle, bald	Contiguous	T	Bird	N

IMA Region/ MACOM	Installation	State	FWS Region	Scientific Name (Genus species)	Common Name	Onsite/ Contiguous	Federal Listing Status	Category	Critical Habitat Onsite
ARNG	Catoosa Range/TS	TN	4	<i>Scutellaria montana</i>	Skullcap, large-flowered	Onsite	T	Plant	N
ARNG	Cedar City	UT	6	<i>Cynomys parvidens</i>	Prairie dog, Utah	Contiguous	T	Mammal	N
ARNG	Chevak Armory	AK	7	<i>Polysticta stellari</i>	Eider, Stellar's	Contiguous	T	Bird	N
ARNG	Clark County Complex	NV	1	<i>Gopherus agassizii</i>	Tortoise, desert	Contiguous	T	Reptile	N
ARNG	Corvallis/Camp Adair	OR	1	<i>Haliaeetus leucocephalus</i>	Eagle, bald	Contiguous	T	Bird	N
				<i>Icaricia icarioides fenderi</i>	Butterfly, Fender's blue	Contiguous	E	Insect	N
				<i>Lupinus sulphureus kincaidii</i>	Lupine, Kincaid's	Onsite	T	Plant	N
				<i>Sidalcea nelsoniana</i>	Checker-mallow, Nelson's	Onsite	T	Plant	N
				<i>Strix occidentalis caurina</i>	Owl, northern spotted	Contiguous	T	Bird	N
ARNG	Douglas Armory	WY	6	<i>Zapus hudsonius preblei</i>	Mouse, Preble's meadow jumping	Contiguous	T	Mammal	N
ARNG	Elim Armory	AK	7	<i>Somateria fischeri</i>	Eider, spectacled	Contiguous	T	Bird	N
ARNG	Florence Mil Rsrvt	AZ	2	<i>Glauucidium brasilianum cactorum</i>	Pygmy-owl, cactus ferruginous	Contiguous	E	Bird	N
				<i>Gopherus agassizii</i>	Tortoise, desert	Onsite	T(S/A)	Reptile	N
ARNG	Fort Chaffee	AR	4	<i>Haliaeetus leucocephalus</i>	Eagle, bald	Contiguous	T	Bird	N
				<i>Nicrophorus americanus</i>	Beetle, American burying	Onsite	E	Insect	N
ARNG	Fort McClellan	AL	4	<i>Marshallia mohrii</i>	Button, Mohr's	Onsite	T	Plant	N
ARNG				<i>Myotis grisescens</i>	Barbara's Bat, gray	Onsite	E	Mammal	N
ARNG	Fort Pickett	VA	5	<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N
				<i>Percina rex</i>	Loggerperch, Roanoke	Onsite	E	Fish	N
				<i>Rhus michauxii</i>	Sumac, Michaux's	Onsite	E	Plant	N
ARNG	Fort Ruger	HI	1	<i>Anas wyvilliana</i>	Duck, Hawaiian	Onsite	E	Bird	N
				<i>Cyperus trachysanthos</i>	Pu'uka'a	Onsite	E	Plant	Y
				<i>Fulica americana alai</i>	Coot, Hawaiian	Onsite	E	Bird	N
				<i>Gallinula chloropus sandvicensis</i>	Moorhen, Hawaiian common	Onsite	E	Bird	N
				<i>Schiedea adamantis</i>	Schiedea, diamond head	Onsite	E	Plant	N
				<i>Spermolepis hawaiiensis</i>	No common name	Onsite	E	Plant	Y
ARNG	Garrison TS	ND	6	<i>Charadrius melodus</i>	Plover, piping	Contiguous	T	Bird	N
ARNG	Greenville, Utes2	KY	4	<i>Myotis grisescens</i>	Bat, gray	Contiguous	E	Mammal	N
ARNG	Hilo (Keaukaha) Military Rsrvt	HI	1	<i>Buteo solitarius</i>	Hawk, Hawaiian	Onsite	E	Bird	N
				<i>Lasiurus cinereus semotus</i>	Bat, Hawaiian hoary	Onsite	E	Mammal	N
ARNG	HQ STARC	MO	3	<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N
				<i>Sterna antillarum</i>	Tern, least	Contiguous	E	Bird	N
ARNG	Kanaio Wets	HI	1	<i>Manduca blackburni</i>	Moth, Blackburn's sphinx	Onsite	E	Insect	Y
				<i>Sesbania tomentosa</i>	Ohai	Onsite	E	Plant	N

IMA Region/ MACOM	Installation	State	FWS Region	Scientific Name (Genus species)	Common Name	Onsite/ Contiguous	Federal Listing Status	Category	Critical Habitat Onsite
ARNG	Kekaha Wets	HI	1	<i>Himantopus mexicanus knudseni</i>	Stilt, Hawaiian	Onsite	E	Bird	N
				<i>Panicum niuhauense</i>	Lau`ehu	Onsite	E	Plant	Y
ARNG	Kwigillingok Scout Armory	AK	7	<i>Polysticta stelleri</i>	Eider, Stellar's	Contiguous	T	Bird	N
ARNG	Leesburg Training Site	SC	4	<i>Echinacea laevigata</i>	Coneflower, smooth	Onsite	E	Plant	N
				<i>Lysimachia asperulaefolia</i>	Loosestrife, rough-leaved	Onsite	E	Plant	N
				<i>Picoides borealis</i>	Woodpecker, red-cockaded	Onsite	E	Bird	N
ARNG	Macon Training Site	MO	3	<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N
				<i>Myotis sodalis</i>	Bat, Indiana	Onsite	E	Mammal	N
ARNG	NHNG Training Site	NH	5	<i>Isotria medeoloides</i>	Pogonia, small whorled	Onsite	T	Plant	N
ARNG	St George/Oms 10b	UT	6	<i>Arctomecon humilis</i>	Bear-poppy, Dwarf	Onsite	E	Plant	N
ARNG	St Michael Armory	AK	7	<i>Somateria fischeri</i>	Eider, spectacled	Contiguous	T	Bird	N
ARNG	Santa Cruz Armory	CA	1	<i>Holocarpa macradenia</i>	Tarplant, Santa Cruz	Onsite	T	Plant	Y
ARNG	Shaktolik Armory	AK	7	<i>Somateria fischeri</i>	Eider, spectacled	Onsite	T	Bird	N
ARNG	Sea Girt/Oms 25	NJ	5	<i>Amaranthus pumilus</i>	Amaranth, Seabeach	Onsite	T	Plant	N
				<i>Charadrius melodus</i>	Plover, piping	Onsite	T	Bird	N
				<i>Sterna antillarum</i>	Tern, least	Onsite	E	Bird	N
ARNG	State Military Reservation	NH	5	<i>Lycaeides melissa samuelis</i>	Butterfly, Karner blue	Onsite	E	Insect	N
ARNG	Stebbins Armory	AK	7	<i>Somateria fischeri</i>	Eider, spectacled	Onsite	T	Bird	N
ARNG	Stewart River Training Area	AK	7	<i>Somateria fischeri</i>	Eider, spectacled	Contiguous	T	Bird	N
ARNG	Tullahoma TS	TN	4	<i>Helianthus eggertii</i>	Sunflower, Eggert's	Onsite	T	Plant	N
ARNG	Ukumehame Wets	HI	1	<i>Anas wyvilliana</i>	Duck, Hawaiian	Onsite	E	Bird	N
				<i>Branta sandvicensis</i>	Goose, Hawaiian	Onsite	E	Bird	N
				<i>Fulica americana alai</i>	Coot, Hawaiian	Onsite	E	Bird	N
				<i>Gallinula chloropus sandvicensis</i>	Moorhen, Hawaiian common	Onsite	E	Bird	N
				<i>Himantopus mexicanus knudseni</i>	Stilt, Hawaiian	Onsite	E	Bird	N
ARNG	Unalakleet Armory	AK	7	<i>Somateria fischeri</i>	Eider, spectacled	Onsite	T	Bird	N
ARNG	Warrenton/Camp Rilea	OR	1	<i>Brachyramphus marmoratus marmoratus</i>	Murrelet, marbled	Contiguous	T	Bird	N
				<i>Charadrius alexandrinus nivosus</i>	Plover, western snowy	Contiguous	T	Bird	N
				<i>Eumetopias jubatus</i>	Sea-lion, Steller	Contiguous	T	Mammal	N
				<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N
				<i>Pelecanus occidentalis</i>	Pelican, brown	Contiguous	E	Bird	N
				<i>Speyeria zerene hippolyta</i>	Butterfly, Oregon silverspot	Onsite	T	Insect	Y
ARNG	Williston TS	ND	6	<i>Strix occidentalis caurina</i>	Owl, northern spotted	Contiguous	T	Bird	N
				<i>Charadrius melodus</i>	Plover, piping	Contiguous	T	Bird	N
				<i>Chorizanthe pungens var. pungens</i>	Spineflower, Monterey	Onsite	T	Plant	N
				<i>Myotis grisescens</i>	Bat, gray	Onsite	E	Mammal	N
				<i>Myotis sodalis</i>	Bat, Indiana	Onsite	E	Mammal	N
				<i>Haliaeetus leucocephalus</i>	Eagle, bald	Contiguous	T	Bird	N
BRAC	Ravenna AAP	OH	3	<i>Haliaeetus leucocephalus</i>	Eagle, bald	Contiguous	T	Bird	N

IMA Region/ MACOM	Installation	State	FWS Region	Scientific Name (Genus species)	Common Name	Onsite/ Contiguous	Federal Listing Status	Category	Critical Habitat Onsite
BRAC	Rocky Mountain Arsenal	CO	6	<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N
BRAC	Savanna Depot Activity	IL	3	<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N
				<i>Lampsilis higginsii</i>	Pearlymussel, Higgins' eye	Onsite	E	Clam	N
BRAC	Sunflower AAP	MO	3	<i>Haliaeetus leucocephalus</i>	Eagle, bald	Contiguous	T	Bird	N
NERO	Aberdeen Proving Ground	MD	5	<i>Acipenser brevirostrum</i>	Sturgeon, shortnose	Onsite	E	Fish	N
				<i>Etheostoma sellare</i>	Darter, Maryland	Contiguous	E	Fish	N
				<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N
NERO	Adelphi Laboratory Center	MD	5	<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N
NERO	Devens Reserve Training Facility	MA	5	<i>Haliaeetus leucocephalus</i>	Eagle, bald	Contiguous	T	Bird	N
NERO	Fort A P Hill	VA	5	<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N
				<i>Helonias bullata</i>	Pink, swamp	Onsite	T	Plant	N
				<i>Isotria medeoloides</i>	Pogonia, small whorled	Onsite	E	Plant	N
NERO	Fort Belvoir	VA	5	<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N
				<i>Isotria medeoloides</i>	Pogonia, small whorled	Onsite	E	Plant	N
NERO	Fort Dix	NJ	5	<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N
NERO	Fort Drum	NY	5	<i>Myotis sodalis</i>	Bat, Indiana	Contiguous	E	Mammal	N
NERO	Fort Eustis	VA	5	<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N
NERO	Fort Lee	VA	5	<i>Haliaeetus leucocephalus</i>	Eagle, bald	Contiguous	T	Bird	N
NERO	Picatinny Arsenal	NJ	5	<i>Clemmys muhlenbergii</i>	Turtle, bog	Contiguous	T	Reptile	N
				<i>Myotis sodalis</i>	Bat, Indiana	Onsite	E	Mammal	N
NERO	West Point Mil Reservation	NY	5	<i>Acipenser brevirostrum</i>	Sturgeon, shortnose	Contiguous	E	Fish	N
				<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N
NWRO	Dugway Proving Ground	UT	6	<i>Haliaeetus leucocephalus</i>	Eagle, bald	Contiguous	T	Bird	N
NWRO	Fort Carson	CO	6	<i>Etheostoma cragini</i>	Darter, Arkansas	Onsite	C	Fish	N
				<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N
				<i>Spiranthes diluvialis</i>	Ladies'-tresses, Ute	Contiguous	T	Plant	N
				<i>Strix occidentalis lucida</i>	Owl, Mexican spotted	Contiguous	T	Bird	N
NWRO	Fort Leavenworth	KS	6	<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N
				<i>Scaphirhynchus albus</i>	Sturgeon, pallid	Onsite	E	Fish	N
NWRO	Fort Leonard Wood	MO	3	<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N
				<i>Myotis grisescens</i>	Bat, gray	Onsite	E	Mammal	N
				<i>Myotis sodalis</i>	Bat, Indiana	Onsite	E	Mammal	N
NWRO	Fort Lewis	WA	1	<i>Brachyramphus marmoratus marmoratus</i>	Murrelet, marbled	Contiguous	T	Bird	N

IMA Region/ MACOM	Installation	FWS State	Region	Scientific Name (Genus species)	Common Name	Onsite/ Contiguous	Federal Listing Status	Category	Critical Habitat Onsite				
NWRO	Fort Lewis (cont'd)			<i>Eremophila alpestris strigata</i>	Lark, Streaked horned Butterfly, Whulge	Onsite	C	Bird	N				
				<i>Euphydryas editha taylori</i>	Checkerspot	Onsite	C	Insect	N				
				<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N				
				<i>Howellia aquatilis</i>	Howellia, water	Onsite	T	Plant	N				
				<i>Oncorhynchus tshawytscha</i>	Salmon, chinook	Onsite	T	Fish	N				
				<i>Polites mardon</i>	Skipper, Mardon	Onsite	C	Insect	N				
				<i>Salvelinus confluentus</i>	Trout, bull	Onsite	T	Fish	N				
				<i>Strix occidentalis caurina</i>	Owl, northern spotted Pocket gopher,	Contiguous	T	Bird	Y				
NWRO	Fort McCoy	WI	3	<i>Thomomys mazama</i>	Mazama	Onsite	C	Mammal	N				
				<i>Canis lupus</i>	Wolf, gray	Onsite	E	Mammal	N				
				<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N				
NWRO	Fort Riley	KS	6	<i>Lycaeides melissa samuelis</i>	Butterfly, Karner blue	Onsite	E	Insect	N				
				<i>Charadrius melodus</i>	Plover, piping	Onsite	T	Bird	N				
				<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N				
				<i>Notropis topeka</i>	Shiner, Topeka	Onsite	E	Fish	N				
NWRO	Rock Island Arsenal Yakima Training Center	IL	3	<i>Sterna antillarum</i>	Tern, least	Onsite	E	Bird	N				
				<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N				
				<i>Centrocercus urophasianus phaios</i>	Grouse, greater sage	Onsite	C	Bird	N				
NWRO	Center	WA	1	<i>Erigeron basalticus</i>	Daisy, basalt	Onsite	C	Plant	N				
				<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N				
				<i>Oncorhynchus mykiss</i>	Steelhead	Onsite	T	Fish	N				
				<i>Oncorhynchus mykiss</i>	Steelhead	Onsite	E	Fish	N				
				<i>Oncorhynchus tshawytscha</i>	Salmon, chinook	Onsite	T	Fish	N				
				<i>Salvelinus confluentus</i>	Trout, bull	Contiguous	T	Fish	N				
				PAC	Dillingham Mil Reservation	HI	1	<i>Lepidium arbuscula</i>	Anaunau	Contiguous	E	Plant	N
								<i>Nototrichium humile</i>	Kulu`i	Contiguous	E	Plant	N
<i>Schiedea kealiae</i>	Ma`oli`oli	Onsite	E					Plant	N				
PAC	Kahuku Training Area	HI	1	<i>Cyanea koolauensis</i>	Haha	Onsite	E	Plant	N				
				<i>Eugenia koolauensis</i>	Nioi	Onsite	E	Plant	N				
				<i>Gardenia mannii</i>	Nanu	Onsite	E	Plant	N				
				<i>Pteralyxia macrocarpa</i>	Kaulu	Onsite	C	Plant	N				
				<i>Tetraplasandra gymnocarpa</i>	Ohe`ohe	Onsite	E	Plant	N				
				PAC	Kawailoa Training Area	HI	1	<i>Achatinella apexfulva</i>	Pupu kuahiwi	Onsite	E	Snail	N
<i>Achatinella bulimoides</i>	Pupu kuahiwi	Onsite	E					Snail	N				
<i>Achatinella byronii</i>	Pupu kuahiwi	Onsite	E					Snail	N				
<i>Achatinella curta</i>	Pupu kuahiwi	Onsite	E					Snail	N				
<i>Achatinella decipiens</i>	Pupu kuahiwi	Onsite	E					Snail	N				
<i>Achatinella lila</i>	Pupu kuahiwi	Onsite	E					Snail	N				
<i>Achatinella livida</i>	Pupu kuahiwi	Onsite	E					Snail	N				
<i>Achatinella pulcherrima</i>	Pupu kuahiwi	Onsite	E					Snail	N				
<i>Achatinella sowerbyana</i>	Pupu kuahiwi	Onsite	E					Snail	N				

IMA Region/ MACOM	Installation	FWS State	Region	Scientific Name (Genus species)	Common Name	Onsite/ Contiguous	Federal Listing Status	Category	Critical Habitat Onsite				
PAC	Kawaiiloa Training Area (cont'd)			<i>Chamaesyce rockii</i>	`Akoko	Onsite	E	Plant	N				
				<i>Chasiempis sandwichensis</i> <i>ibidis</i>	Elepaio, Oahu	Onsite	E	Bird	Y				
				<i>Cyanea acuminata</i>	Haha	Onsite	E	Plant	N				
				<i>Cyanea calycina</i>	Haha	Onsite	C	Plant	N				
				<i>Cyanea crispa</i>	No common name	Onsite	E	Plant	N				
				<i>Cyanea humboldtiana</i>	Haha	Onsite	E	Plant	N				
				<i>Cyanea koolauensis</i>	Haha	Onsite	E	Plant	N				
				<i>Cyanea st-johnii</i>	Haha	Onsite	E	Plant	N				
				<i>Cyrtandra dentata</i>	Ha`iwale	Onsite	E	Plant	N				
				<i>Cyrtandra viridiflora</i>	Ha`iwale	Onsite	E	Plant	N				
				<i>Gardenia mannii</i>	Nanu	Onsite	E	Plant	N				
				<i>Hedyotis fluviatilis</i>	Kampua`a	Onsite	C	Plant	N				
				<i>Hesperomannia</i> <i>arborescens</i>	No common name	Onsite	E	Plant	N				
				<i>Joinvillea ascendens</i> <i>ascendens</i>	Ohe	Onsite	C	Plant	N				
				<i>Lycopodium nutans</i>	No common name	Onsite	E	Plant	N				
				<i>Melicope hiiakae</i>	Alani	Onsite	C	Plant	N				
				<i>Melicope lydgatei</i>	Alani	Onsite	E	Plant	N				
				<i>Myrsine fosbergii</i>	Kolea	Onsite	C	Plant	N				
				<i>Myrsine juddii</i>	Kolea	Onsite	E	Plant	N				
				<i>Phyllostegia hirsuta</i>	No common name	Onsite	E	Plant	N				
				<i>Phyllostegia parviflora</i>	No common name	Onsite	E	Plant	N				
				<i>Platydesma cornuta</i> <i>cornuta</i>	No common name	Onsite	C	Plant	N				
				<i>Psychotria hexandra</i> ssp. <i>oahuensis</i>	Kopiko	Onsite	C	Plant	N				
				<i>Pteris lidgatei</i>	No common name	Onsite	E	Plant	N				
				<i>Sanicula purpurea</i>	No common name	Onsite	E	Plant	N				
				<i>Tetraplasandra</i> <i>gymnocarpa</i>	Ohe`ohe	Onsite	E	Plant	N				
				<i>Thelypteris boydiae</i>	No common name	Onsite	C	Plant	N				
				<i>Viola oahuensis</i>	No common name	Onsite	E	Plant	N				
				<i>Zanthoxylum oahuense</i>	A`e	Onsite	C	Plant	N				
				PAC	Makua Military Reservation	HI	1	<i>Abutilon sandwicense</i>	No common name	Onsite	E	Plant	N
								<i>Achatinella mustelina</i>	Pupu kuahiwi	Onsite	E	Snail	N
								<i>Alectryon macrococcus</i>	Mahoe	Onsite	E	Plant	N
								<i>Alsinidendron obovatum</i>	No common name	Onsite	E	Plant	N
								<i>Bonamia menziesii</i>	No common name	Onsite	E	Plant	N
								<i>Cenchrus agrimonioides</i>	Kamanomano	Onsite	E	Plant	N
								<i>Chamaesyce celastroides</i> var. <i>kaenana</i>	`Akoko	Onsite	E	Plant	N
<i>Chamaesyce herbstii</i>	`Akoko	Onsite	E					Plant	N				
<i>Chasiempis sandwichensis</i> <i>ibidis</i>	Elepaio, Oahu	Onsite	E					Bird	Y				
<i>Ctenitis squamigera</i>	Pauoa	Onsite	E					Plant	N				
<i>Cyanea grimesiana</i> ssp. <i>obatae</i>	Haha	Onsite	E					Plant	N				
<i>Cyanea longiflora</i>	Haha	Onsite	E					Plant	N				
<i>Cyanea superba</i>	No common name	Onsite	E					Plant	N				
<i>Cyrtandra dentata</i>	Ha`iwale	Onsite	E					Plant	N				
<i>Delissea subcordata</i>	Oha	Onsite	E					Plant	N				
<i>Diellia falcata</i>	No common name	Onsite	E					Plant	N				
<i>Dubautia herbstobatae</i>	Na`ena`e	Onsite	E					Plant	N				
<i>Euphorbia haeleleana</i>	`Akoko	Onsite	E					Plant	N				

IMA Region/ MACOM	Installation	FWS State	Region	Scientific Name (Genus species)	Common Name	Onsite/ Contiguous	Federal Listing Status	Category	Critical Habitat Onsite				
PAC	Makua Military Reservation (cont'd)			<i>Flueggea neowawraea</i>	Mehamehame	Onsite	E	Plant	N				
				<i>Hedyotis degeneri</i>	No common name	Onsite	E	Plant	N				
				<i>Hedyotis parvula</i>	No common name	Onsite	E	Plant	N				
				<i>Hesperomannia arbuscula</i>	No common name	Onsite	E	Plant	N				
				<i>Hibiscus brackenridgei</i>	Ma`o hau hele	Onsite	E	Plant	N				
				<i>Lepidium arbuscula</i>	Anaunau	Onsite	E	Plant	N				
				<i>Lipochaeta tenuifolia</i>	Nehe	Onsite	E	Plant	N				
				<i>Lobelia niihauensis</i>	No common name	Onsite	E	Plant	N				
				<i>Neraudia angulata</i>	Ma'aloa	Onsite	E	Plant	N				
				<i>Nothoctrum latifolium</i>	Aiea	Onsite	C	Plant	N				
				<i>Nototrichium humile</i>	Kulu`i	Onsite	E	Plant	N				
				<i>Phyllostegia kaalaensis</i>	No common name	Onsite	E	Plant	N				
				<i>Platydesma cornuta</i>									
				<i>descurrens</i>	No common name	Onsite	C	Plant	N				
				<i>Pleomele forbesii</i>	Hala pepe	Onsite	C	Plant	N				
				<i>Pritchardia kaalae</i>	Lo`ulu	Onsite	E	Plant	N				
				<i>Pteralyxia macrocarpa</i>	Kaulu	Onsite	C	Plant	N				
				<i>Sanicula mariversa</i>	No common name	Onsite	E	Plant	N				
				<i>Schiedea hookeri</i>	No common name	Onsite	E	Plant	N				
				<i>Schiedea kaalae</i>	No common name	Onsite	E	Plant	N				
				<i>Schiedea nuttallii</i>	No common name	Onsite	E	Plant	N				
				<i>Silene lanceolata</i>	No common name	Onsite	E	Plant	N				
				<i>Spermolepis hawaiiensis</i>	No common name	Onsite	E	Plant	N				
				<i>Tetramolopium filiforme</i>	No common name	Onsite	E	Plant	N				
				<i>Viola chamissoniana ssp. chamissoniana</i>	Pamakani	Onsite	E	Plant	N				
				PAC	Pohakuloa Training Area	HI	1	<i>Asplenium fragile var. insulare</i>	No common name	Onsite	E	Plant	N
								<i>Branta sandvicensis</i>	Goose, Hawaiian	Onsite	E	Bird	N
								<i>Buteo solitarius</i>	Hawk, Hawaiian	Onsite	E	Bird	N
								<i>Festuca hawaiiensis</i>	No common name	Onsite	C	Plant	N
								<i>Haplostachys haplostachya</i>	Honohono	Onsite	E	Plant	N
<i>Hedyotis coriacea</i>	Kio`ele	Onsite	E					Plant	N				
<i>Hemignathus munroi</i>	Akiapola`au	Onsite	E					Bird	N				
<i>Lasiurus cinereus semotus</i>	Bat, Hawaiian hoary	Onsite	E					Mammal	N				
<i>Loxioides bailleui</i>	Palila	Onsite	E					Bird	Y				
<i>Neraudia ovata</i>	No common name	Onsite	E					Plant	N				
<i>Portulaca sclerocarpa</i>	Po`e	Onsite	E					Plant	N				
<i>Pterodroma phaeopygia sandwichensis</i>	Petrel, Hawaiian dark-rumped	Onsite	E					Bird	N				
<i>Silene hawaiiensis</i>	No common name	Onsite	T					Plant	N				
<i>Silene lanceolata</i>	No common name	Onsite	E					Plant	N				
<i>Solanum incompletum</i>	Popolo ku mai	Onsite	E					Plant	N				
<i>Spermolepis hawaiiensis</i>	No common name	Onsite	E					Plant	N				
<i>Stenogyne angustifolia var. angustifolia</i>	No common name	Onsite	E					Plant	N				
<i>Tetramolopium arenarium</i>	No common name	Onsite	E					Plant	N				
<i>Zanthoxylum hawaiiense</i>	A`e	Onsite	E					Plant	N				
PAC	Schofield Barracks	HI	1					<i>Abutilon sandwicense</i>	No common name	Onsite	E	Plant	N
				<i>Achatinella byronii</i>	Pupu kuahiwi	Onsite	E	Snail	N				
				<i>Achatinella decipiens</i>	Pupu kuahiwi	Onsite	E	Snail	N				
				<i>Achatinella mustelina</i>	Pupu kuahiwi	Onsite	E	Snail	N				

IMA Region/ MACOM	Installation	FWS State Region	Scientific Name (Genus species)	Common Name	Onsite/ Contiguous	Federal Listing Status	Category	Critical Habitat Onsite
PAC	Schofield Barracks (cont'd)		<i>Achatinella sowerbyana</i>	Pupu kuahiwi	Onsite	E	Snail	N
			<i>Alectryon macrococcus</i>	Mahoe	Onsite	E	Plant	N
			<i>Alsinidendron trinerve</i>	No common name	Onsite	E	Plant	N
			<i>Cenchrus agrimonioides</i>	Kamanomano	Onsite	E	Plant	N
			<i>Chamaesyce rockii</i>	`Akoko	Onsite	E	Plant	N
			<i>Chasiempis sandwichensis</i>					
			<i>ibidis</i>	Elepaio, Oahu	Onsite	E	Bird	Y
			<i>Ctenitis squamigera</i>	Pauoa	Onsite	E	Plant	N
			<i>Cyanea acuminata</i>	Haha	Onsite	E	Plant	N
			<i>Cyanea calycina</i>	Haha	Onsite	C	Plant	N
			<i>Cyanea grimesiana ssp.</i>					
			<i>grimesiana</i>	Haha	Onsite	E	Plant	N
			<i>Cyanea grimesiana ssp.</i>					
			<i>obatae</i>	Haha	Onsite	E	Plant	N
			<i>Cyanea koolauensis</i>	Haha	Onsite	E	Plant	N
			<i>Cyanea st-johnii</i>	Haha	Onsite	E	Plant	N
			<i>Cyrtandra subumbellata</i>	Ha`iwale	Onsite	E	Plant	N
			<i>Cyrtandra viridiflora</i>	Ha`iwale	Onsite	E	Plant	N
			<i>Delissea subcordata</i>	haha	Onsite	E	Plant	N
			<i>Diellia falcata</i>	No common name	Onsite	E	Plant	N
			<i>Flueggea neowawraea</i>	Mehamehame	Onsite	E	Plant	N
			<i>Gardenia mannii</i>	Nanu	Onsite	E	Plant	N
			<i>Hesperomannia</i>					
			<i>arborescens</i>	No common name	Onsite	E	Plant	N
			<i>Isodendron longifolium</i>	Aupaka	Onsite	T	Plant	N
			<i>Joinvillea ascendens</i>					
			<i>ascendens</i>	Ohe	Onsite	C	Plant	N
			<i>Labordia cyrtandrae</i>	Kamakahala	Onsite	E	Plant	N
			<i>Lepidium arbuscula</i>	Anaunau	Onsite	E	Plant	N
			<i>Lobelia gaudichaudii ssp.</i>					
			<i>koolauensis</i>	No common name	Onsite	E	Plant	N
			<i>Lobelia niihauensis</i>	No common name	Onsite	E	Plant	N
			<i>Lobelia oahuensis</i>	No common name	Onsite	E	Plant	N
				Damselfly, crimson				
			<i>Megalagrion leptodemus</i>	Hawaiian	Onsite	C	Insect	N
			<i>Nothoestrum latifolium</i>	Aiea	Onsite	C	Plant	N
			<i>Phyllostegia hirsuta</i>	No common name	Onsite	E	Plant	N
			<i>Phyllostegia mollis</i>	No common name	Onsite	E	Plant	N
			<i>Plantago princeps</i>	Kuahiwi laukahi	Onsite	E	Plant	N
			<i>Platydesma cornuta</i>					
			<i>descurrens</i>	No common name	Onsite	C	Plant	N
			<i>Pleomele forbesii</i>	Hala pepe	Onsite	C	Plant	N
			<i>Pritchardia kaalae</i>	Lo`ulu	Onsite	E	Plant	N
			<i>Pteralyxia macrocarpa</i>	Kaulu	Onsite	C	Plant	N
			<i>Pteris lidgatei</i>	No common name	Onsite	E	Plant	N
			<i>Sanicula purpurea</i>	No common name	Onsite	E	Plant	N
			<i>Schiedea hookeri</i>	No common name	Onsite	E	Plant	N
			<i>Schiedea kaalae</i>	No common name	Onsite	E	Plant	N
			<i>Schiedea nuttallii</i>	No common name	Onsite	E	Plant	N
			<i>Stenogyne kanehoana</i>	No common name	Onsite	E	Plant	N
			<i>Tetramolopium lepidotum</i>					
			<i>ssp. lepidotum</i>	No common name	Onsite	E	Plant	N
			<i>Tetraplasandra</i>					
			<i>gymnocarpa</i>	Ohe`ohe	Onsite	E	Plant	N
			<i>Urera kaalae</i>	Opuhe	Onsite	E	Plant	N
			<i>Viola chamissoniana ssp.</i>					
			<i>chamissoniana</i>	Pamakani	Onsite	E	Plant	N

IMA Region/ MACOM	Installation	FWS State	Region	Scientific Name (Genus species)	Common Name	Onsite/ Contiguous	Federal Listing Status	Category	Critical Habitat Onsite
PAC	Schofield Barracks (cont'd)			<i>Viola oahuensis</i>	No common name	Onsite	E	Plant	N
				<i>Zanthoxylum oahuense</i>	A`e	Onsite	C	Plant	N
PAC	Tripler Army Medical Center	HI	1	<i>Megalagrion xanthomelas</i>	Damselfly, orangeblack Hawaiian	Onsite	C	Insect	N
SERO	Fort Benning	GA	4	<i>Alligator mississippiensis</i>	Alligator, American	Onsite	T(S/A)	Reptile	N
				<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N
				<i>Mycteria americana</i>	Stork, wood	Onsite	E	Bird	N
				<i>Picoides borealis</i>	Woodpecker, red-cockaded	Onsite	E	Bird	N
				<i>Trillium reliquum</i>	Trillium, relict	Onsite	E	Plant	N
SERO	Fort Bragg	GA	4	<i>Lysimachia asperulaefolia</i>	Loosestrife, rough-leaved	Onsite	E	Plant	N
				<i>Neonympha mitchellii francisci</i>	Butterfly, Saint Francis' satyr	Onsite	E	Insect	N
				<i>Picoides borealis</i>	Woodpecker, red-cockaded	Onsite	E	Bird	N
				<i>Rhus michauxii</i>	Sumac, Michaux's	Onsite	E	Plant	N
				<i>Schwalbea americana</i>	Chaffseed, American	Onsite	E	Plant	N
SERO	Fort Buchanan	PR	4	<i>Epicrates inornatus</i>	Boa, Puerto Rican	Onsite	E	Reptile	N
				<i>Ottoschulzia rhodoxylon</i>	Palo de rosa	Onsite	E	Plant	N
SERO	Fort Campbell	KY	4	<i>Myotis grisescens</i>	Bat, gray	Onsite	E	Mammal	N
				<i>Myotis sodalis</i>	Bat, Indiana	Onsite	E	Mammal	N
SERO	Fort Gordon	GA	4	<i>Haliaeetus leucocephalus</i>	Eagle, bald	Contiguous	T	Bird	N
				<i>Picoides borealis</i>	Woodpecker, red-cockaded	Onsite	E	Bird	N
SERO	Fort Jackson	SC	4	<i>Picoides borealis</i>	Woodpecker, red-cockaded	Onsite	E	Bird	N
SERO	Fort Knox	KY	4	<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N
				<i>Myotis grisescens</i>	Bat, gray	Onsite	E	Mammal	N
				<i>Myotis sodalis</i>	Bat, Indiana	Onsite	E	Mammal	N
SERO	Fort Rucker	AL	4	<i>Haliaeetus leucocephalus</i>	Eagle, bald	Contiguous	T	Bird	N
				<i>Myotis grisescens</i>	Bat, gray	Contiguous	E	Mammal	N
SERO	Fort Stewart	GA	4	<i>Acipenser brevirostrum</i>	Sturgeon, shortnose	Onsite	E	Fish	N
				<i>Ambystoma cingulatum</i>	Salamander, flatwoods	Onsite	T	Amphibian	N
				<i>Drymarchon corais couperi</i>	Snake, eastern indigo	Onsite	T	Reptile	N
				<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N
				<i>Mycteria americana</i>	Stork, wood	Onsite	E	Bird	N
SERO	Military Ocean Tml Sunny Point	NC	4	<i>Picoides borealis</i>	Woodpecker, red-cockaded	Onsite	E	Bird	N
				<i>Acipenser brevirostrum</i>	Sturgeon, shortnose	Contiguous	E	Fish	N
				<i>Alligator mississippiensis</i>	Alligator, American	Onsite	T(S/A)	Reptile	N
				<i>Caretta caretta</i>	Turtle, loggerhead sea	Contiguous	T	Reptile	N
				<i>Charadrius melodus</i>	Plover, piping	Contiguous	T	Bird	N
				<i>Chelonia mydas</i>	Turtle, green sea	Contiguous	T	Reptile	N

IMA Region/ MACOM	Installation	FWS State	Region	Scientific Name (Genus species)	Common Name	Onsite/ Contiguous	Federal Listing Status	Category	Critical Habitat Onsite
SERO	Military Ocean Tml Sunny Point (cont'd)			<i>Dermochelys coriacea</i>	Turtle, leatherback sea	Contiguous	E	Reptile	N
				<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N
				<i>Lepidochelys kempii</i>	Turtle, Kemp's ridley sea	Contiguous	E	Reptile	N
				<i>Lysimachia asperulaefolia</i>	Loosestrife, rough- leaved	Onsite	E	Plant	N
				<i>Picoides borealis</i>	Woodpecker, red- cockaded	Onsite	E	Bird	N
				<i>Thalictrum cooleyi</i>	Meadowrue, Cooley's	Contiguous	E	Plant	N
				<i>Trichechus manatus</i>	Manatee, West Indian	Contiguous	E	Mammal	N
SERO	Redstone Arsenal	AL	4	<i>Apios priceana</i>	Potato-bean, Price's	Onsite	T	Plant	N
				<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N
				<i>Myotis grisescens</i>	Bat, gray	Onsite	E	Mammal	N
				<i>Myotis sodalis</i>	Bat, Indiana	Contiguous	E	Mammal	N
SWRO	Fort Bliss	TX- NM	2	<i>Palaemonias alabamiae</i>	Shrimp, Alabama cave	Onsite	E	Crustacean	N
				<i>Coryphantha sneedii</i> var. <i>sneedii</i>	Cactus, Sneed pincushion	Onsite	E	Plant	N
				<i>Echinocereus fendleri</i> var. <i>kuenzleri</i>	Cactus, Kuenzler hedgehog	Onsite	E	Plant	N
				<i>Falco femoralis</i> <i>septentrionalis</i>	Falcon, northern aplomado	Onsite	E	Bird	N
SWRO	Fort Hood	TX	2	<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N
				<i>Dendroica chrysoparia</i>	Warbler, golden- cheeked	Onsite	E	Bird	N
				<i>Grus americana</i>	Crane, whooping	Onsite	E	Bird	N
				<i>Vireo atricapillus</i>	Vireo, black-capped	Onsite	E	Bird	N
SWRO	Fort Huachuca	AZ	2	<i>Ambystoma tigrinum</i> <i>stebbinsi</i>	Salamander, Sonoran tiger	Onsite	E	Amphibian	N
				<i>Coccyzus americanus</i>	Cuckoo, Yellow-billed Flycatcher,	Onsite	C	Bird	N
				<i>Empidonax traillii extimus</i>	southwestern willow	Contiguous	E	Bird	N
				<i>Erigeron lemmonii</i>	Fleabane, lemmon	Onsite	C	Plant	N
				<i>Leptonycteris curasoae</i> <i>yerbabuena</i>	Bat, lesser long-nosed	Onsite	E	Mammal	N
				<i>Lilaeopsis schaffneriana</i> <i>ssp.recurva</i>	Water-umbel, Huachuca	Onsite	E	Plant	Y
				<i>Meda fulgida</i>	Spikedace	Contiguous	T	Fish	N
				<i>Pyrgulopsis thompsoni</i>	Springsnail, Huachuca Frog, Ramsey Canyon	Onsite	C	Snail	N
				<i>Rana subaquavocalis</i>	Leopard	Onsite	C	Amphibian	N
				<i>Strix occidentalis lucida</i>	Owl, Mexican spotted	Onsite	T	Bird	N
SWRO	Fort Hunter Liggett	CA	1	<i>Tiaroga cobitis</i>	Minnow, loach	Contiguous	T	Fish	N
				<i>Ambystoma californiense</i>	Salamander, California tiger	Contiguous	T	Amphibian	N
				<i>Branchinecta lynchi</i>	Fairy shrimp, vernal pool	Onsite	T	Crustacean	N

IMA Region/ MACOM	Installation	FWS State	Region	Scientific Name (Genus species)	Common Name	Onsite/ Contiguous	Federal Listing Status	Category	Critical Habitat Onsite
SWRO	Fort Hunter Liggett (cont'd)			<i>Bufo californicus</i>	Toad, Arroyo	Onsite	E	Amphibian	N
				<i>Chlorogalum purpureum</i>	Amole, purple	Onsite	T	Plant	N
				<i>Gymnogyps californianus</i>	Condor, California	Onsite	E	Bird	N
				<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N
				<i>Rana aurora draytonii</i>	Frog , California red- legged	Contiguous	T	Amphibian	N
				<i>Vireo bellii pusillus</i>	Vireo, least Bell's	Contiguous	E	Bird	N
SWRO	Fort Irwin	CA	1	<i>Vulpes macrotis mutica</i>	Fox, San Joaquin kit	Onsite	E	Mammal	N
				<i>Gopherus agassizii</i>	Tortoise, desert	Onsite	T	Reptile	Y
SWRO	Fort Polk	LA	4	<i>Astragalus jaegerianus</i>	Milk-vetch, Lane Mountain	Onsite	E	Plant	N
				<i>Picoides borealis</i>	Woodpecker, red- cockaded	Onsite	E	Bird	N
SWRO	Fort Sam Houston	TX	2	<i>Pituophis ruthveni</i>	Snake, Louisiana Pine	Onsite	C	Reptile	N
				<i>Cicurina madla</i>	Meshweaver, Madla's Cave	Onsite	E	Arachnid	N
SWRO	Fort Sam Houston (cont'd)			<i>Dendroica chrysoparia</i>	Warbler, golden- cheeked	Onsite	E	Bird	N
				<i>Rhadine exilis</i>	Ground beetle	Onsite	E	Insect	N
SWRO	Fort Sill	OK	2	<i>Rhadine infernalis</i>	Ground beetle	Onsite	E	Insect	N
				<i>Vireo atricapillus</i>	Vireo, black-capped	Onsite	E	Bird	N
SWRO	Parks RFTA	CA	1	<i>Vireo atricapillus</i>	Vireo, black-capped	Onsite	E	Bird	N
				<i>Salamander, California tiger</i>		Onsite	T	Amphibian	N
				<i>Rana aurora draytonii</i>	Frog , California red- legged	Onsite	T	Amphibian	N
SWRO	Presidio Of Monterey White Sands Missile Range	CA	1	<i>Vulpes macrotis mutica</i>	Fox, San Joaquin kit	Contiguous	E	Mammal	N
				<i>Piperia yadonii</i>	Piperia, Yadon's	Onsite	E	Plant	N
SWRO	White Sands Missile Range	NM	2	<i>Canis lupus</i>	Wolf, gray	Contiguous	E	Mammal	N
				<i>Coccyzus americanus</i>	Cuckoo, Yellow-billed	Onsite	C	Bird	N
				<i>Empidonax traillii extimus</i>	Flycatcher, southwestern willow	Contiguous	E	Bird	N
				<i>Falco femoralis</i>	Falcon, northern	Onsite	E	Bird	N
				<i>septentrionalis</i>	aplomado	Onsite	E	Bird	N
				<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N
				<i>Hedeoma todsenii</i>	Pennyroyal, Todsens	Onsite	E	Plant	Y
				<i>Panthera onca</i>	Jaguar	Onsite	E	Mammal	N
				<i>Pelecanus occidentalis</i>	Pelican, brown	Onsite	E	Bird	N
				<i>Sterna antillarum</i>	Tern, least	Onsite	E	Bird	N
SWRO	Yuma Proving Ground	AZ	2	<i>Strix occidentalis lucida</i>	Owl, Mexican spotted	Contiguous	T	Bird	N
				<i>Echinocactus horizonthalonius var. nicholii</i>	Cactus, Nichol's Turk's head	Contiguous	E	Plant	N
USAR	63rd RRC	CA	1	<i>Salamander, California tiger</i>		Onsite	T	Amphibian	N
				<i>Ambystoma californiense</i>		Onsite	T	Amphibian	N
USAR	63rd RRC	CA	1	<i>Charadrius alexandrinus nivosus</i>	Plover, western snowy	Contiguous	T	Bird	N
				<i>Charadrius alexandrinus</i>		Contiguous	T	Bird	N

IMA Region/ MACOM	Installation	FWS State	Region	Scientific Name (Genus species)	Common Name	Onsite/ Contiguous	Federal Listing Status	Category	Critical Habitat Onsite
USAR	63rd RRC (cont'd)			<i>Chorizanthe pungens</i> var. <i>pungens</i>	Spineflower, Monterey	Onsite	T	Plant	N
				<i>Dipodomys stephensi</i>	Kangaroo rat, Stephens'	Contiguous	E	Mammal	N
				<i>Gilia tenuiflora</i> <i>ssp.arenaria</i>	Gilia, Monterey	Contiguous	E	Plant	N
				<i>Lanius ludovicianus</i> <i>mearnsi</i>	Shrike, San Clemente loggerhead	Contiguous	E	Bird	N
				<i>Limnanthes vinculans</i>	Meadowfoam, sebastopol	Onsite	E	Plant	N
				<i>Rana aurora draytonii</i>	Frog , California red- legged	Contiguous	T	Amphibian	N
USAR	70th RRC-Pier 23	WA	1	<i>Oncorhynchus</i> <i>tshawytscha</i>	Salmon, Chinook	Onsite	T	Fish	N
				<i>Salvelinus confluentus</i>	Trout, bull	Onsite	T	Fish	Y
USAR	70th RRC - Vail Tree Farm	WA	1	<i>Brachyramphus</i> <i>marmoratus marmoratus</i>	Murrelet, marbled	Onsite	T	Bird	N
				<i>Haliaeetus leucocephalus</i>	Eagle, bald	Onsite	T	Bird	N
USAR	70th RRC - Vail Tree Farm & Weyhauser LTA	WA	1	<i>Strix occidentalis caurina</i>	Owl, northern spotted	Onsite	T	Bird	N
USAR	88th RRC - Twinsburg USARC	OH	3	<i>Myotis sodalis</i>	Bat, Indiana	Onsite	E	Mammal	N

Appendix B: TEPC & Installations Where Recorded - Sorted by Scientific Name

Scientific Name (Genus species)	Common Name	Federal Listing Status	Category	IMA Region/ MACOM	FWS Region	Installation	State	Onsite/ Contiguous	Critical Habitat Onsite
<i>Abutilon sandwicense</i>	No common name	E	Plant	PAC	1	Makua Military Reservation	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
<i>Achatinella apexfulva</i>	Pupu kuahiwi	E	Snail	PAC	1	Kawailoa Training Area	HI	Onsite	N
<i>Achatinella bulimoides</i>	Pupu kuahiwi	E	Snail	PAC	1	Kawailoa Training Area	HI	Onsite	N
<i>Achatinella byronii</i>	Pupu kuahiwi	E	Snail	PAC	1	Kawailoa Training Area	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
<i>Achatinella curta</i>	Pupu kuahiwi	E	Snail	PAC	1	Kawailoa Training Area	HI	Onsite	N
<i>Achatinella decipiens</i>	Pupu kuahiwi	E	Snail	PAC	1	Kawailoa Training Area	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
<i>Achatinella lila</i>	Pupu kuahiwi	E	Snail	PAC	1	Kawailoa Training Area	HI	Onsite	N
<i>Achatinella livida</i>	Pupu kuahiwi	E	Snail	PAC	1	Kawailoa Training Area	HI	Onsite	N
<i>Achatinella mustelina</i>	Pupu kuahiwi	E	Snail	PAC	1	Makua Military Reservation	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
<i>Achatinella pulcherrima</i>	Pupu kuahiwi	E	Snail	PAC	1	Kawailoa Training Area	HI	Onsite	N
<i>Achatinella sowerbyana</i>	Pupu kuahiwi	E	Snail	PAC	1	Kawailoa Training Area	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
<i>Acipenser brevirostrum</i>	Sturgeon, shortnose	E	Fish	ARNG	5	Camp Smith Training Site	NY	Contiguous	N
				NERO	5	Aberdeen Proving Ground	MD	Onsite	N
				NERO	5	West Point Mil Reservation	NY	Contiguous	N
				SERO	4	Fort Stewart	GA	Onsite	N
				SERO	4	Military Ocean Tml Sunny Point	NC	Contiguous	N
<i>Alectryon macrococcus</i>	Mahoe	E	Plant	PAC	1	Makua Military Reservation	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
<i>Alligator mississippiensis</i>	Alligator, American	T(S/A)	Reptile	AMC	2	Lone Star AAP	TX	Onsite	N
				ARNG	4	Camp Blanding	FL	Onsite	N
				ARNG	4	Camp Shelby	MS	Onsite	N
				SERO	4	Fort Benning	GA	Onsite	N
				SERO	4	Military Ocean Tml Sunny Point	NC	Onsite	N
<i>Alsinidendron obovatum</i>	No common name	E	Plant	PAC	1	Makua Military Reservation	HI	Onsite	N
<i>Alsinidendron trinerve</i>	No common name	E	Plant	PAC	1	Schofield Barracks	HI	Onsite	N
<i>Amaranthus pumilus</i>	Amaranth, Seabeach	T	Plant	ARNG	5	Sea Girt/Oms 25	NJ	Onsite	N
<i>Amblyopsis rosae</i>	Cavefish, Ozark	T	Fish	ARNG	3	Camp Crowder	MO	Contiguous	N
<i>Ambystoma californiense</i>	Salamander, California tiger	T	Amphibian	SWRO	1	Fort Hunter Liggett	CA	Contiguous	N
				SWRO	1	Parks RFTA	CA	Onsite	N
				USAR	1	63rd RRC	CA	Onsite	N
<i>Ambystoma cingulatum</i>	Salamander, flatwoods	T	Amphibian	SERO	4	Fort Stewart	GA	Onsite	N
<i>Ambystoma tigrinum stebbinsi</i>	Salamander, Sonoran tiger	E	Amphibian	SWRO	2	Fort Huachuca	AZ	Onsite	N

Scientific Name (Genus species)	Common Name	Federal Listing Status	Category	IMA Region/ MACOM	FWS Region	Installation	State	Onsite/ Contiguous	Critical Habitat Onsite		
<i>Anas wyvilliana</i>	Duck, Hawaiian	E	Bird	ARNG	1	Fort Ruger	HI	Onsite	N		
						Ukumehame Wets	HI	Onsite	N		
<i>Aphelocoma coerulescens</i>	Jay, Florida scrub	T	Bird	ARNG	4	Camp Blanding	FL	Onsite	N		
<i>Apios priceana</i>	Potato-bean, Price's	T	Plant	SERO	4	Redstone Arsenal	AL	Onsite	N		
<i>Arctomecon humilis</i>	Bear-poppy, Dwarf	E	Plant	ARNG	6	St George/Oms 10b	UT	Onsite	N		
<i>Asplenium fragile var. insulare</i>	No common name	E	Plant	PAC	1	Pohakuloa Training	HI	Onsite	N		
						Area					
<i>Astragalus jaegerianus</i>	Milk-vetch, Lane Mountain	E	Plant	SWRO	1	Fort Irwin	CA	Onsite	N		
<i>Bonamia menziesii</i>	No common name	E	Plant	PAC	1	Makua Military Reservation	HI	Onsite	N		
<i>Brachyramphus marmoratus marmoratus</i>	Murrelet, marbled	T	Bird	ARNG	1	Warrenton/Camp Rilea	OR	Contiguous	N		
						NWRO	1	Fort Lewis	WA	Contiguous	N
						USAR	1	70th RRC - Vail Tree Farm	WA	Onsite	N
<i>Branchinecta lynchi</i>	Fairy shrimp, vernal pool	T	Crustacean	ARNG	1	Camp Roberts	CA	Onsite	N		
						SWRO	1	Fort Hunter Liggett	CA	Onsite	N
<i>Branta sandvicensis</i>	Goose, Hawaiian	E	Bird	ARNG	1	Ukumehame Wets	HI	Onsite	N		
						PAC	1	Pohakuloa Training Area	HI	Onsite	N
<i>Bufo californicus</i>	Toad, Arroyo	E	Amphibian	SWRO	1	Fort Hunter Liggett	CA	Onsite	N		
<i>Buteo solitarius</i>	Hawk, Hawaiian	E	Bird	ARNG	1	Hilo (Keaukaha)	HI	Onsite	N		
						Military Rsrvt Pohakuloa Training Area					
<i>Canis lupus</i>	Wolf, gray	T	Mammal	ARNG	3	Camp Ripley	MN	Onsite	N		
						NWRO	3	Fort McCoy	WI	Onsite	N
						SWRO	2	White Sands Missile Range	NM	Contiguous	N
<i>Caretta caretta</i>	Turtle, loggerhead sea	T	Reptile	SERO	4	Military Ocean Tml Sunny Point	NC	Contiguous	N		
<i>Cenchrus agrimonoides</i>	Kamanomano	E	Plant	PAC	1	Makua Military Reservation	HI	Onsite	N		
						PAC	1	Schofield Barracks	HI	Onsite	N
<i>Centrocercus urophasianus phaios</i>	Grouse, greater sage	C	Bird	NWRO	1	Yakima Training Center	WA	Onsite	N		
<i>Chamaesyce celastroides var. kaenana</i>	`Akoko	E	Plant	PAC	1	Makua Military Reservation	HI	Onsite	N		
						Makua Military Reservation	HI	Onsite	N		
<i>Chamaesyce herbstii</i>	`Akoko	E	Plant	PAC	1	Kawaiiloa Training Area	HI	Onsite	N		
<i>Chamaesyce rockii</i>	`Akoko	E	Plant	PAC	1	Schofield Barracks	HI	Onsite	N		
						PAC	1	Schofield Barracks	HI	Onsite	N
<i>Charadrius alexandrinus nivosus</i>	Plover, western snowy	T	Bird	ARNG	1	Warrenton/Camp Rilea	OR	Contiguous	N		
						USAR	1	63rd RRC	CA	Contiguous	N
<i>Charadrius melodus</i>	Plover, piping	T	Bird	ARNG	6	Camp Grafton	ND	Contiguous	N		
						ARNG	6	Garrison TS	ND	Contiguous	N
						ARNG	5	Sea Girt/Oms 25	NJ	Onsite	N

Scientific Name (Genus species)	Common Name	Federal Listing Status	Category	IMA Region/ MACOM	FWS Region	Installation	State	Onsite/ Contiguous	Critical Habitat Onsite
<i>Charadrius melodus</i> (cont'd)				ARNG	6	Williston TS	ND	Contiguous	N
				NWRO	6	Fort Riley	KS	Onsite	N
				SWRO	4	Military Ocean Tml Sunny Point	NC	Contiguous	N
<i>Chasiempis sandwichensis ibidis</i>	Elepaio, Oahu	E	Bird	PAC	1	Kawailoa Training Area	HI	Onsite	Y
				PAC	1	Makua Military Reservation	HI	Onsite	Y
				PAC	1	Schofield Barracks Military Ocean Tml Sunny Point	HI	Onsite	Y
<i>Chelonia mydas</i>	Turtle, green sea	T	Reptile	SERO	4	Sunny Point	NC	Contiguous	N
<i>Chlorogalum purpureum</i>	Amole, purple	T	Plant	ARNG	1	Camp Roberts	CA	Onsite	N
				SWRO	1	Fort Hunter Liggett	CA	Onsite	N
<i>Chorizanthe pungens</i> var. <i>pungens</i>	Spineflower, Monterey	T	Plant	BRAC	1	Fort Ord	CA	Onsite	N
				USAR	1	63rd RRC	CA	Onsite	N
<i>Cicurina madla</i>	Meshweaver, Madla's Cave	E	Arachnid	SWRO	2	Fort Sam Houston	TX	Onsite	N
<i>Cirsium fontinale var.obispoense</i>	Thistle, Chorro Creek bog	E	Plant	ARNG	1	Camp San Luis Obispo	CA	Onsite	N
<i>Clemmys muhlenbergii</i>	Turtle, bog	T	Reptile	NERO	5	Picatinny Arsenal	NJ	Contiguous	N
<i>Coccyzus americanus</i>	Cuckoo, Yellow-billed	C	Bird	SWRO	2	Fort Huachuca White Sands Missile Range	AZ	Onsite	N
				SWRO	2		NM	Onsite	N
<i>Coryphantha sneedii</i> var. <i>sneedii</i>	Cactus, Sneed pincushion	E	Plant	SWRO	2	Fort Bliss	TX- NM	Onsite	N
<i>Ctenitis squamigera</i>	Pauoa	E	Plant	PAC	1	Makua Military Reservation	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
<i>Cyanea acuminata</i>	Haha	E	Plant	PAC	1	Kawailoa Training Area	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
<i>Cyanea calycina</i>	Haha	C	Plant	PAC	1	Kawailoa Training Area	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
<i>Cyanea crispa</i>	No common name	E	Plant	PAC	1	Kawailoa Training Area	HI	Onsite	N
<i>Cyanea grimesiana</i> ssp. <i>grimesiana</i>	Haha	E	Plant	PAC	1	Schofield Barracks	HI	Onsite	N
<i>Cyanea grimesiana</i> ssp. <i>obatae</i>	Haha	E	Plant	PAC	1	Makua Military Reservation	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
<i>Cyanea humboldtiana</i>	Haha	E	Plant	PAC	1	Kawailoa Training Area	HI	Onsite	N
<i>Cyanea koolauensis</i>	Haha	E	Plant	PAC	1	Kahuku Training Area	HI	Onsite	N
				PAC	1	Kawailoa Training Area	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
<i>Cyanea longiflora</i>	Haha	E	Plant	PAC	1	Makua Military Reservation	HI	Onsite	N
<i>Cyanea st-johnii</i>	Haha	E	Plant	PAC	1	Kawailoa Training Area	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
<i>Cyanea superba</i>	No common name	E	Plant	PAC	1	Makua Military Reservation	HI	Onsite	N

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<i>Cynomys parvidens</i>	Prairie dog, Utah	T	Mammal	ARNG	6	Cedar City Wc	UT	Contiguous	N
<i>Cyperus trachysanthos</i>	Pu'uka'a	E	Plant	ARNG	1	Fort Ruger	HI	Onsite	Y
<i>Cyrtandra dentata</i>	Ha'iwale	E	Plant	PAC	1	Kawailoa Training Area	HI	Onsite	N
				PAC	1	Makua Military Reservation	HI	Onsite	N
<i>Cyrtandra subumbellata</i>	Ha'iwale	E	Plant	PAC	1	Schofield Barracks	HI	Onsite	N
<i>Cyrtandra viridiflora</i>	Ha'iwale	E	Plant	PAC	1	Kawailoa Training Area	HI	Onsite	N
					1	Schofield Barracks	HI	Onsite	N
<i>Delissea subcordata</i>	Oha	E	Plant	PAC	1	Makua Military Reservation	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
<i>Dendroica chrysoparia</i>	Warbler, golden-cheeked	E	Bird	ARNG	2	Camp Mabry	TX	Onsite	N
				SWRO	2	Fort Hood	TX	Onsite	N
				SWRO	2	Fort Sam Houston	TX	Onsite	N
<i>Dendroica kirtlandii</i>	Warbler, Kirtland's	E	Bird	ARNG	3	Camp Grayling	MI	Onsite	N
<i>Dermochelys coriacea</i>	Turtle, leatherback sea	E	Reptile	SERO	4	Military Ocean Tml Sunny Point	NC	Contiguous	N
<i>Desmocerus californicus dimorphus</i>	Beetle, valley elderberry longhorn	T	Insect	AMC	1	Riverbank AAP	CA	Contiguous	N
<i>Diellia falcata</i>	No common name	E	Plant	PAC	1	Makua Military Reservation	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
<i>Dipodomys stephensi</i>	Kangaroo rat, Stephens'	E	Mammal	USAR	1	63rd RRC	CA	Contiguous	N
<i>Drymarchon corais couperi</i>	Snake, eastern indigo	T	Reptile	ARNG	4	Camp Blanding	FL	Onsite	N
				SERO	4	Fort Stewart	GA	Onsite	N
<i>Dubautia herbstobatae</i>	Na'ena'e	E	Plant	PAC	1	Makua Military Reservation	HI	Onsite	N
<i>Echinacea laevigata</i>	Coneflower, smooth	E	Plant	ARNG	4	Leesburg Training Site	SC	Onsite	N
<i>Echinocactus horizionthalonius var. nicholii</i>	Cactus, Nichol's Turk's head	E	Plant	SWRO	2	Yuma Proving Ground	AZ	Contiguous	N
<i>Echinocereus fendleri var. kuenzleri</i>	Cactus, Kuenzler hedgehog	E	Plant	SWRO	2	Fort Bliss	TX-NM	Onsite	N
<i>Empidonax traillii extimus</i>	Flycatcher, southwestern willow	E	Bird	SWRO	2	Fort Huachuca	AZ	Contiguous	N
				SWRO	2	White Sands Missile Range	NM	Contiguous	N
<i>Epicrates inornatus</i>	Boa, Puerto Rican	E	Reptile	SERO	4	Fort Buchanan	PR	Onsite	N
<i>Eremophila alpestris strigata</i>	Lark, Streaked horned	C	Bird	NWRO	1	Fort Lewis	WA	Onsite	N
<i>Erigeron basalticus</i>	Daisy, basalt	C	Plant	NWRO	1	Yakima Training Center	WA	Onsite	N
<i>Erigeron lemmonii</i>	Fleabane, lemmon	C	Plant	SWRO	2	Fort Huachuca	AZ	Onsite	N
<i>Etheostoma cragini</i>	Darter, Arkansas	C	Fish	NWRO	6	Fort Carson	CO	Onsite	N
<i>Etheostoma sellare</i>	Darter, Maryland	E	Fish	NERO	5	Aberdeen Proving Ground	MD	Contiguous	N
<i>Eugenia koolauensis</i>	Nioi	E	Plant	PAC	1	Kahuku Training Area	HI	Onsite	N
<i>Eumetopias jubatus</i>	Sea-lion, Steller	T	Mammal	ARNG	1	Warrenton/Camp Rilea	OR	Contiguous	N
						Makua Military Reservation	HI	Onsite	N
<i>Euphorbia haeleleana</i>	`Akoko	E	Plant	PAC	1	Makua Military Reservation	HI	Onsite	N

Scientific Name (Genus species)	Common Name	Federal Listing Status	Category	IMA Region/ MACOM	FWS Region	Installation	State	Onsite/ Contiguous	Critical Habitat Onsite
<i>Euphydryas editha taylori</i>	Butterfly, Whulge Checkerspot	C	Insect	NWRO	1	Fort Lewis	WA	Onsite	N
<i>Falco femoralis septentrionalis</i>	Falcon, northern aplomado	E	Bird	SWRO	2	Fort Bliss White Sands Missile Range	TX- NM	Onsite	N
<i>Fallicambarus gordonii</i>	Crayfish, Camp Shelby burrowing	C	Crustacean	ARNG	4	Camp Shelby Pohakuloa Training Area	MS	Onsite	N
<i>Festuca hawaiiensis</i>	No common name	C	Plant	PAC	1	Makua Military Reservation	HI	Onsite	N
<i>Flueggea neowawraea</i>	Mehamehame	E	Plant	PAC	1	Schofield Barracks	HI	Onsite	N
<i>Fulica americana alai</i>	Coot, Hawaiian	E	Bird	ARNG	1	Fort Ruger	HI	Onsite	N
<i>Gallinula chloropus sandvicensis</i>	Moorhen, Hawaiian common	E	Bird	ARNG	1	Ukumehame Wets	HI	Onsite	N
<i>Gardenia mannikii</i>	Nanu	E	Plant	PAC	1	Kahuku Training Area	HI	Onsite	N
				PAC	1	Kawailoa Training Area	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
<i>Gilia tenuiflora ssp.arenaria</i>	Gilia, Monterey	E	Plant	USAR	1	63rd RRC	CA	Contiguous	N
<i>Glaucidium brasilianum cactorum</i>	Pygmy-owl, cactus ferruginous	E	Bird	ARNG	2	Florence Mil Rsrvt Clark County Complex	AZ	Contiguous	N
<i>Gopherus agassizii</i>	Tortoise, desert	T T(S/A)	Reptile	ARNG	1	Florence Mil Rsrvt	NV	Contiguous	N
		T		ARNG	2	Fort Irwin	AZ	Onsite	N
		T		SWRO	1		CA	Onsite	Y
<i>Gopherus polyphemus</i>	Tortoise, gopher	T	Reptile	ARNG	4	Camp Shelby	MS	Onsite	N
<i>Grus americana</i>	Crane, whooping	E	Bird	SWRO	2	Fort Hood	TX	Onsite	N
<i>Gymnogyps californianus</i>	Condor, California	E	Bird	ARNG	1	Camp Roberts Camp San Luis	CA	Contiguous	N
				ARNG	1	Obispo	CA	Onsite	N
				SWRO	1	Fort Hunter Liggett	CA	Onsite	N
<i>Haliaeetus leucocephalus</i>	Eagle, bald	T	Bird	AMC	6	Deseret Chemical Depot	UT	Contiguous	N
				AMC	1	Hawthorne Army Depot	NV	Onsite	N
				AMC	4	Holston AAP	TN	Onsite	N
				AMC	3	Newport Chemical Depot (Clinton) Truman	IN	Onsite	N
				ARNG	3	Reservoir TS	MO	Onsite	N
				ARNG	6	Camp Ashland	NE	Onsite	N
				ARNG	3	Camp Atterbury	IN	Onsite	N
				ARNG	4	Camp Blanding	FL	Onsite	N
				ARNG	3	Camp Crowder	MO	Onsite	N
				ARNG	3	Camp Grayling	MI	Onsite	N
				ARNG	6	Camp Guernsey	WY	Onsite	N
				ARNG	4	Camp J.T. Robinson	AR	Contiguous	N
				ARNG	1	Camp Murray	WA	Onsite	N
				ARNG	3	Camp Perry	OH	Onsite	N
				ARNG	3	Camp Ripley	MN	Onsite	N
				ARNG	1	Camp Roberts	CA	Onsite	N

Scientific Name (Genus species)	Common Name	Federal Listing Status	Category	IMA Region/ MACOM	FWS Region	Installation	State	Onsite/ Contiguous	Critical Habitat Onsite
<i>Haliaeetus leucocephalus (cont'd)</i>				ARNG	5	Camp Smith Training Site	NY	Contiguous	N
				ARNG	1	Corvallis/Camp Adair	OR	Contiguous	N
				ARNG	4	Fort Chaffee	AR	Contiguous	N
				ARNG	5	Fort Pickett	VA	Onsite	N
				ARNG	3	HQ STARC	MO	Onsite	N
				ARNG	3	Macon Training Site	MO	Onsite	N
				ARNG	1	Warrenton/Camp Rilea	OR	Onsite	N
				BRAC	3	Ravenna AAP	OH	Contiguous	N
				BRAC	6	Rocky Mountain Arsenal	CO	Onsite	N
				BRAC	3	Savanna Depot Activity	IL	Onsite	N
				BRAC	3	Sunflower AAP	MO	Contiguous	N
				NERO	5	Aberdeen Proving Ground	MD	Onsite	N
				NERO	5	Adelphi Laboratory Center	MD	Onsite	N
				NERO	5	Devens Reserve Training Facility	MA	Contiguous	N
				NERO	5	Fort A P Hill	VA	Onsite	N
				NERO	5	Fort Belvoir	VA	Onsite	N
				NERO	5	Fort Dix	NJ	Onsite	N
				NERO	5	Fort Eustis	VA	Onsite	N
				NERO	5	Fort Lee	VA	Contiguous	N
				NERO	5	West Point Mil Reservation	NY	Onsite	N
				NWRO	6	Dugway Proving Ground	UT	Contiguous	N
				NWRO	6	Fort Carson	CO	Onsite	N
				NWRO	6	Fort Leavenworth	KS	Onsite	N
				NWRO	3	Fort Leonard Wood	MO	Onsite	N
				NWRO	1	Fort Lewis	WA	Onsite	N
				NWRO	3	Fort McCoy	WI	Onsite	N
				NWRO	6	Fort Riley	KS	Onsite	N
				NWRO	3	Rock Island Arsenal	IL	Onsite	N
				NWRO	1	Yakima Training Center	WA	Onsite	N
				SERO	4	Fort Benning	GA	Onsite	N
				SERO	4	Fort Gordon	GA	Contiguous	N
				SERO	4	Fort Knox	KY	Onsite	N
				SERO	4	Fort Rucker	AL	Contiguous	N
			SERO	4	Fort Stewart	GA	Onsite	N	
			SERO	4	Military Ocean Tml Sunny Point	NC	Onsite	N	
			SERO	4	Redstone Arsenal	AL	Onsite	N	
			SWRO	2	Fort Bliss	TX- NM	Onsite	N	
			SWRO	2	Fort Hood	TX	Onsite	N	
			SWRO	1	Fort Hunter Liggett	CA	Onsite	N	

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<i>Haliaeetus leucocephalus (cont'd)</i>				SWRO	2	White Sands Missile Range	NM Onsite	N
				USAR	1	70th RRC - Vail Tree Farm	WA Onsite	N
<i>Haplostachys haplostachya</i>	Honohono	E	Plant	PAC	1	Pohakuloa Training Area	HI Onsite	N
<i>Hedeoma todsenii</i>	Pennyroyal, Todsens's	E	Plant	SWRO	2	White Sands Missile Range	NM Onsite	Y
<i>Hedyotis coriacea</i>	Kio'ele	E	Plant	PAC	1	Pohakuloa Training Area	HI Onsite	N
<i>Hedyotis degeneri</i>	No common name	E	Plant	PAC	1	Makua Military Reservation	HI Onsite	N
<i>Hedyotis fluviatilis</i>	Kampua`a	C	Plant	PAC	1	Kawailoa Training Area	HI Onsite	N
<i>Hedyotis parvula</i>	No common name	E	Plant	PAC	1	Makua Military Reservation	HI Onsite	N
<i>Helianthus eggertii</i>	Sunflower, Eggert's	T	Plant	ARNG	1	Tullahoma TS	TN Onsite	N
<i>Helminthoglypta walkeriana</i>	Snail, Morro shoulderband	E	Snail	ARNG	1	Camp San Luis Obispo	CA Contiguous	N
<i>Helonias bullata</i>	Pink, swamp	T	Plant	NERO	5	Fort A P Hill	VA Onsite	N
<i>Hemignathus munroi</i>	Akiapola`au	E	Bird	PAC	1	Pohakuloa Training Area	HI Onsite	N
<i>Hesperomannia arborescens</i>	No common name	E	Plant	PAC	1	Kawailoa Training Area	HI Onsite	N
				PAC	1	Schofield Barracks	HI Onsite	N
<i>Hesperomannia arbuscula</i>	No common name	E	Plant	PAC	1	Makua Military Reservation	HI Onsite	N
<i>Hibiscus brackenridgei</i>	Ma`o hau hele	E	Plant	PAC	1	Makua Military Reservation	HI Onsite	N
<i>Himantopus mexicanus knudseni</i>	Stilt, Hawaiian	E	Bird	ARNG	1	Kekaha Wets	HI Onsite	N
				ARNG	1	Ukumehame Wets	HI Onsite	N
<i>Holocarpha macradenia</i>	Tarplant, Santa Cruz	T	Plant	ARNG	1	Santa Cruz Armory	CA Onsite	Y
<i>Howellia aquatilis</i>	Howellia, water	T	Plant	NWRO	1	Fort Lewis	WA Onsite	N
<i>Icaricia icarioides fenderi</i>	Butterfly, Fender's blue	E	Insect	ARNG	1	Corvallis/Camp Adair	OR Contiguous	N
<i>Isodendron longifolium</i>	Aupaka	T	Plant	PAC	1	Schofield Barracks	HI Onsite	N
<i>Isoetes louisianensis</i>	Quillwort, Louisiana	E	Plant	ARNG	4	Camp Shelby	MS Onsite	N
<i>Isotria medeoloides</i>	Pogonia, small whorled	E	Plant	ARNG	5	Auburn Training Site	ME Onsite	N
				ARNG	5	NHNG Training Site	NH Onsite	N
				NERO	5	Fort A P Hill	VA Onsite	N
				NERO	5	Fort Belvoir	VA Onsite	N
<i>Joinvillea ascendens ascendens</i>	Ohe	C	Plant	PAC	1	Kawailoa Training Area	HI Onsite	N
				PAC	1	Schofield Barracks	HI Onsite	N
<i>Labordia cyrtandrae</i>	Kamakahala	E	Plant	PAC	1	Schofield Barracks	HI Onsite	N
<i>Lampsilis higginsii</i>	Pearlymussel, Higgins' eye	E	Clam	BRAC	3	Savanna Depot Activity	IL Onsite	N
<i>Lanius ludovicianus mearnsi</i>	Shrike, San Clemente loggerhead	E	Bird	USAR	1	63rd RRC	CA Contiguous	N
<i>Lasiurus cinereus semotus</i>	Bat, Hawaiian hoary	E	Mammal	ARNG	1	Hilo (Keaukaha) Military Rsrvtm	HI Onsite	N
				PAC	1	Pohakuloa Training Area	HI Onsite	N
<i>Lepidium arbuscula</i>	Anaunau	E	Plant	PAC	1	Dillingham Mil Reservation	HI Contiguous	N

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<i>Lepidium arbuscula (cont'd)</i>				PAC	1	Makua Military Reservation	HI Onsite	N
				PAC	1	Schofield Barracks	HI Onsite	N
<i>Lepidochelys kempii</i>	Turtle, Kemp's ridley sea	E	Reptile	SERO	4	Military Ocean Tml Sunny Point	NC Contiguous	N
<i>Leptonycteris curasoae yerbabuena</i>	Bat, lesser long-nosed	E	Mammal	SWRO	2	Fort Huachuca	AZ Onsite	N
<i>Lilaeopsis schaffneriana ssp. recurva</i>	Water-umbel, Huachuca	E	Plant	SWRO	2	Fort Huachuca	AZ Onsite	Y
<i>Limnanthes vinculans</i>	Meadowfoam, sebastopol	E	Plant	USAR	1	63rd RRC	CA Onsite	N
<i>Lipochaeta tenuifolia</i>	Nehe	E	Plant	PAC	1	Makua Military Reservation	HI Onsite	N
<i>Lobelia gaudichaudii ssp. koolauensis</i>	No common name	E	Plant	PAC	1	Schofield Barracks	HI Onsite	N
<i>Lobelia niihauensis</i>	No common name	E	Plant	PAC	1	Makua Military Reservation	HI Onsite	N
				PAC	1	Schofield Barracks	HI Onsite	N
<i>Lobelia oahuensis</i>	No common name	E	Plant	PAC	1	Schofield Barracks	HI Onsite	N
<i>Loxioides bailleui</i>	Palila	E	Bird	PAC	1	Pohakuloa Training Area	HI Onsite	Y
<i>Lupinus sulphureus kincaidii</i>	Lupine, Kincaid's	T	Plant	ARNG	1	Corvallis/Camp Adair	OR Onsite	N
<i>Lycaeides melissa samuelis</i>	Butterfly, Karner blue	E	Insect	ARNG	5	State Military Reservation	NH Onsite	N
				NWRO	3	Fort McCoy	WI Onsite	N
<i>Lycopodium nutans</i>	No common name	E	Plant	PAC	1	Kawailoa Training Area	HI Onsite	N
<i>Lysimachia asperulaefolia</i>	Loosestrife, rough- leaved	E	Plant	ARNG	4	Leesburg Training Site	SC Onsite	N
				SERO	4	Fort Bragg	GA Onsite	N
				SERO	4	Military Ocean Tml Sunny Point	NC Onsite	N
<i>Manduca blackburni</i>	Moth, Blackburn's sphinx	E	Insect	ARNG	1	Kanaio Wets	HI Onsite	Y
<i>Marshallia mohrii</i>	Button, Mohr's Barbara's	T	Plant	ARNG	4	Fort McClellan	AL Onsite	N
<i>Meda fulgida</i>	Spikedace	T	Fish	SWRO	2	Fort Huachuca	AZ Contiguous	N
<i>Megalagrion leptodemus</i>	Damselfly, crimson Hawaiian	C	Insect	PAC	1	Schofield Barracks	HI Onsite	N
<i>Megalagrion xanthomelas</i>	Damselfly, orangeblack Hawaiian	C	Insect	PAC	1	Tripler Army Medical Center	HI Onsite	N
<i>Melicope hiakae</i>	Alani	C	Plant	PAC	1	Kawailoa Training Area	HI Onsite	N
<i>Melicope lydgatei</i>	Alani	E	Plant	PAC	1	Kawailoa Training Area	HI Onsite	N
<i>Mycteria americana</i>	Stork, wood	E	Bird	ARNG	4	Camp Blanding	FL Onsite	N
				SERO	4	Fort Benning	GA Onsite	N
				SERO	4	Fort Stewart	GA Onsite	N
<i>Myotis grisescens</i>	Bat, gray	E	Mammal	AMC	4	Holston AAP	TN Onsite	N
				ARNG	4	Fort McCellan	AL Onsite	N
				ARNG	4	Greenville, Utes2	KY Contiguous	N
				BRAC	3	Indiana AAP	IN Onsite	N
				NWRO	3	Fort Leonard Wood	MO Onsite	N
				SERO	4	Fort Campbell	KY Onsite	N
				SERO	4	Fort Knox	KY Onsite	N

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<i>Myotis grisescens (cont'd)</i>				SERO	4	Fort Rucker	AL	Contiguous	N
				SERO	4	Redstone Arsenal	AL	Onsite	N
<i>Myotis sodalis</i>	Bat, Indiana	E	Mammal	AMC	3	Iowa AAP	IA	Onsite	N
				AMC	3	Newport Chemical Depot	IN	Onsite	N
				ARNG	3	Camp Atterbury	IN	Onsite	N
				ARNG	3	Macon Training Site	MO	Onsite	N
				BRAC	3	Indiana AAP	IN	Onsite	N
				NERO	5	Fort Drum	NY	Contiguous	N
				NERO	5	Picatinny Arsenal	NJ	Onsite	N
				NWRO	3	Fort Leonard Wood	MO	Onsite	N
				SERO	4	Fort Campbell	KY	Onsite	N
				SERO	4	Fort Knox	KY	Onsite	N
				SERO	4	Redstone Arsenal	AL	Contiguous	N
				USAR	3	88th RRC - Twinsburg USARC	OH	Onsite	N
<i>Myrsine fosbergii</i>	Kolea	C	Plant	PAC	1	Kawailoa Training Area	HI	Onsite	N
<i>Myrsine juddii</i>	Kolea	E	Plant	PAC	1	Kawailoa Training Area	HI	Onsite	N
<i>Neonympha mitchellii francisci</i>	Butterfly, Saint Francis' satyr	E	Insect	SERO	4	Fort Bragg	GA	Onsite	N
<i>Neraudia angulata</i>	Ma'aloa	E	Plant	PAC	1	Makua Military Reservation	HI	Onsite	N
<i>Neraudia ovata</i>	No common name	E	Plant	PAC	1	Pohakuloa Training Area	HI	Onsite	N
<i>Nicrophorus americanus</i>	Beetle, American burying	E	Insect	AMC	2	McAlester AAP	OK	Onsite	N
				ARNG	2	Camp Gruber Training Site	OK	Onsite	N
				ARNG	2	Camp Maxey	TX	Onsite	N
				ARNG	4	Fort Chaffee	AR	Onsite	N
<i>Nothocestrum latifolium</i>	Aiea	C	Plant	PAC	1	Makua Military Reservation	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
<i>Nototrichium humile</i>	Kulu'i	E	Plant	PAC	1	Dillingham Mil Reservation	HI	Contiguous	N
				PAC	1	Makua Military Reservation	HI	Onsite	N
<i>Notropis topeka</i>	Shiner, Topeka	E	Fish	NWRO	6	Fort Riley	KS	Onsite	N
<i>Oncorhynchus clarki henshawi</i>	Trout, Lahontan cutthroat	T	Fish	AMC	1	Hawthorne Army Depot	NV	Contiguous	N
<i>Oncorhynchus mykiss</i>	Steelhead	E	Fish	ARNG	1	Camp Roberts	CA	Onsite	N
				ARNG	1	Camp San Luis Obispo	CA	Onsite	N
				NWRO	1	Yakima Training Center	WA	Onsite	N
		T		NWRO	1	Yakima Training Center	WA	Onsite	N
<i>Oncorhynchus tshawytscha</i>	Salmon, chinook	T	Fish	NWRO	1	Fort Lewis	WA	Onsite	N
				NWRO	1	Yakima Training Center	WA	Onsite	N
				USAR	1	70th RRC	WA	Onsite	N
<i>Ottoschulzia rhodoxylon</i>	Palo de rosa	E	Plant	SERO	4	Fort Buchanan	PR	Onsite	N
<i>Palaemonias alabamae</i>	Shrimp, Alabama cave	E	Crustacean	SERO	4	Redstone Arsenal	AL	Onsite	N

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<i>Panicum niihauense</i>	Lau`ehu	E	Plant	ARNG	1	Kekaha Wets	HI	Onsite	Y
<i>Panthera onca</i>	Jaguar	E	Mammal	SWRO	2	White Sands Missile Range	NM	Onsite	N
<i>Pelecanus occidentalis</i>	Pelican, brown	E	Bird	ARNG	1	Warrenton/Camp Rilea	OR	Contiguous	N
				SWRO	2	White Sands Missile Range	NM	Onsite	N
<i>Percina rex</i>	Logperch, Roanoke	E	Fish	ARNG	5	Fort Pickett	VA	Onsite	N
<i>Phyllostegia hirsuta</i>	No common name	E	Plant	PAC	1	Kawailoa Training Area	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
<i>Phyllostegia kaalaensis</i>	No common name	E	Plant	PAC	1	Makua Military Reservation	HI	Onsite	N
<i>Phyllostegia mollis</i>	No common name	E	Plant	PAC	1	Schofield Barracks	HI	Onsite	N
<i>Phyllostegia parviflora</i>	No common name	E	Plant	PAC	1	Kawailoa Training Area	HI	Onsite	N
<i>Picoides borealis</i>	Woodpecker, red- cockaded	E	Bird	ARNG	4	Camp Beauregard	LA	Contiguous	N
				ARNG	4	Camp Blanding	FL	Onsite	N
				ARNG	4	Camp Shelby	MS	Contiguous	N
				ARNG	4	Leesburg Training Site	SC	Onsite	N
				SERO	4	Fort Benning	GA	Onsite	N
				SERO	4	Fort Bragg	GA	Onsite	N
				SERO	4	Fort Gordon	GA	Onsite	N
				SERO	4	Fort Jackson	SC	Onsite	N
				SERO	4	Fort Stewart	GA	Onsite	N
				SERO	4	Military Ocean Tml Sunny Point	NC	Onsite	N
				SWRO	4	Fort Polk	LA	Onsite	N
<i>Piperia yadonii</i>	Piperia, Yadon's	E	Plant	SWRO	1	Presidio Of Monterey	CA	Onsite	N
<i>Pituophis melanoleucus lodingi</i>	Snake, black pine	C	Reptile	ARNG	4	Camp Shelby	MS	Onsite	N
<i>Pituophis ruthveni</i>	Snake, Louisiana Pine	C	Reptile	SWRO	4	Fort Polk	LA	Onsite	N
<i>Plantago princeps</i>	Kuahiwi laukahi	E	Plant	PAC	1	Schofield Barracks	HI	Onsite	N
<i>Platydesma cornuta cornuta</i>	No common name	C	Plant	PAC	1	Kawailoa Training Area	HI	Onsite	N
<i>Platydesma cornuta descurrens</i>	No common name	C	Plant	PAC	1	Makua Military Reservation	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
<i>Pleomele forbesii</i>	Hala pepe	C	Plant	PAC	1	Makua Military Reservation	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
<i>Polites mardon</i>	Skipper, Mardon	C	Insect	NWRO	1	Fort Lewis	WA	Onsite	N
<i>Polysticta stellari</i>	Eider, Stellar's	T	Bird	ARNG	7	Chevak Armory	AK	Contiguous	N
				ARNG	7	Kwigillingok Scout Armory	AK	Contiguous	N
<i>Portulaca sclerocarpa</i>	Po`e	E	Plant	PAC	1	Pohakuloa Training Area	HI	Onsite	N
<i>Pritchardia kaalae</i>	Lo`ulu	E	Plant	PAC	1	Makua Military Reservation	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
<i>Pseudocopaesodes eunus obscurus</i>	Skipper, Carson wandering	E	Insect	AMC	1	Sierra Army Depot	CA	Contiguous	N
<i>Psychotria hexandra ssp. oahuensis</i>	Kopiko	C	Plant	PAC	1	Kawailoa Training Area	HI	Onsite	N

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<i>Pteralyxia macrocarpa</i>	Kaulu	C	Plant	PAC	1	Kahuku Training Area	HI	Onsite	N
				PAC	1	Makua Military Reservation	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
<i>Pteris lidgatei</i>	No common name	E	Plant	PAC	1	Kawaihoa Training Area	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
<i>Pterodroma phaeopygia sandwichensis</i>	Petrel, Hawaiian dark- rumped	E	Bird	PAC	1	Pohakuloa Training Area	HI	Onsite	N
<i>Ptilimnium nodosum</i>	Harperella	E	Plant	ARNG	5	BG Thomas B. Baker TS	MD	Onsite	N
<i>Puma concolor coryi</i>	Panther, Florida	E	Mammal	ARNG	4	Camp Blanding	FL	Onsite	N
<i>Pyrgulopsis thompsoni</i>	Springsnail, Huachuca	C	Snail	SWRO	2	Fort Huachuca	AZ	Onsite	N
<i>Rana aurora draytonii</i>	Frog, California red- legged	T	Amphibian	ARNG	1	Camp San Luis Obispo	CA	Onsite	N
				SWRO	1	Fort Hunter Liggett	CA	Contiguous	N
				SWRO	1	Parks RFTA	CA	Onsite	N
				USAR	1	63rd RRC	CA	Contiguous	N
<i>Rana subaquavocalis</i>	Frog, Ramsey Canyon Leopard	C	Amphibian	SWRO	2	Fort Huachuca	AZ	Onsite	N
<i>Rhadine exilis</i>	Ground beetle	E	Insect	SWRO	2	Fort Sam Houston	TX	Onsite	N
<i>Rhadine infernalis</i>	Ground beetle	E	Insect	SWRO	2	Fort Sam Houston	TX	Onsite	N
<i>Rhododendron chapmanii</i>	Rhododendron, Chapman	E	Plant	ARNG	4	Camp Blanding	FL	Onsite	N
<i>Rhus michauxii</i>	Sumac, Michaux's	E	Plant	ARNG	5	Fort Pickett	VA	Onsite	N
				SERO	4	Fort Bragg	GA	Onsite	N
<i>Salvelinus confluentus</i>	Trout, bull	T	Fish	NWRO	1	Fort Lewis	WA	Onsite	N
				NWRO	1	Yakima Training Center	WA	Contiguous	N
				USAR	1	70th RRC	WA	Onsite	Y
<i>Sanicula mariversa</i>	No common name	E	Plant	PAC	1	Makua Military Reservation	HI	Onsite	N
<i>Sanicula purpurea</i>	No common name	E	Plant	PAC	1	Kawaihoa Training Area	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
<i>Scaphirhynchus albus</i>	Sturgeon, pallid	E	Fish	NWRO	6	Fort Leavenworth	KS	Onsite	N
<i>Schiedea adamantis</i>	Schiedea, diamond head	E	Plant	ARNG	1	Fort Ruger	HI	Onsite	N
<i>Schiedea hookeri</i>	No common name	E	Plant	PAC	1	Makua Military Reservation	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
<i>Schiedea kaalae</i>	No common name	E	Plant	PAC	1	Makua Military Reservation	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
<i>Schiedea kealiae</i>	Ma`oli`oli	E	Plant	PAC	1	Dillingham Mil Reservation	HI	Onsite	N
<i>Schiedea nuttallii</i>	No common name	E	Plant	PAC	1	Makua Military Reservation	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
<i>Schwalbea americana</i>	Chaffseed, American	E	Plant	SERO	4	Fort Bragg	GA	Onsite	N
<i>Scutellaria montana</i>	Skullcap, large-flowered	T	Plant	ARNG	4	Catoosa Range/TS	TN	Onsite	N
<i>Sesbania tomentosa</i>	Ohai	E	Plant	ARNG	1	Kanaio Wets	HI	Onsite	N
<i>Sidalcea nelsoniana</i>	Checker-mallow, Nelson's	T	Plant	ARNG	1	Corvallis/Camp Adair	OR	Onsite	N

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<i>Silene hawaiiensis</i>	No common name	T	Plant	PAC	1	Pohakuloa Training Area	HI Onsite	N
<i>Silene lanceolata</i>	No common name	E	Plant	PAC	1	Makua Military Reservation	HI Onsite	N
				PAC	1	Pohakuloa Training Area	HI Onsite	N
<i>Sistrurus catenatus catenatus</i>	Massasauga, eastern	C	Reptile	ARNG	3	Camp Grayling	MI Onsite	N
<i>Solanum incompletum</i>	Popolo ku mai	E	Plant	PAC	1	Pohakuloa Training Area	HI Onsite	N
<i>Solidago houghtonii</i>	Goldenrod, Houghton's	T	Plant	ARNG	3	Camp Grayling	MI Onsite	N
<i>Somateria fischeri</i>	Eider, spectacled	T	Bird	ARNG	7	Elim Armory	AK Contiguous	N
				ARNG	7	St Michael Armory	AK Contiguous	N
				ARNG	7	Shaktoolik Armory	AK Onsite	N
				ARNG	7	Stebbins Armory	AK Onsite	N
				ARNG	7	Stewart River Training Area	AK Contiguous	N
				ARNG	7	Unalakleet Armory	AK Onsite	N
<i>Spermolepis hawaiiensis</i>	No common name	E	Plant	ARNG	1	Fort Ruger	HI Onsite	Y
				PAC	1	Makua Military Reservation	HI Onsite	N
				PAC	1	Pohakuloa Training Area	HI Onsite	N
<i>Speyeria zerene hippolyta</i>	Butterfly, Oregon silverspot	T	Insect	ARNG	1	Warrenton/Camp Rilea	OR Onsite	Y
<i>Spiranthes diluvialis</i>	Ladies'-tresses, Ute	T	Plant	NWRO	6	Fort Carson	CO Contiguous	N
<i>Stenogyne angustifolia var. angustifolia</i>	No common name	E	Plant	PAC	1	Pohakuloa Training Area	HI Onsite	N
<i>Stenogyne kanehoana</i>	No common name	E	Plant	PAC	1	Schofield Barracks	HI Onsite	N
<i>Sterna antillarum</i>	Tern, least	E	Bird	ARNG	3	HQ STARC	MO Contiguous	N
				ARNG	5	Sea Girt/Oms 25	NJ Onsite	N
				NWRO	6	Fort Riley	KS Onsite	N
				SWRO	2	White Sands Missile Range	NM Onsite	N
<i>Strix occidentalis caurina</i>	Owl, northern spotted	T	Bird	ARNG	1	Corvallis/Camp Adair	OR Contiguous	N
				ARNG	1	Warrenton/Camp Rilea	OR Contiguous	N
				NWRO	1	Fort Lewis	WA Contiguous	Y
						70th RRC - Vail Tree Farm & Weyhauser		
				USAR	1	LTA	WA Onsite	N
<i>Strix occidentalis lucida</i>	Owl, Mexican spotted	T	Bird	ARNG	2	Camp Navajo	AZ Onsite	Y
				NWRO	6	Fort Carson	CO Contiguous	N
				SWRO	2	Fort Huachuca	AZ Onsite	N
						White Sands Missile Range		
				SWRO	2	Range	NM Contiguous	N
<i>Tetramolopium arenarium</i>	No common name	E	Plant	PAC	1	Pohakuloa Training Area	HI Onsite	N
<i>Tetramolopium filiforme</i>	No common name	E	Plant	PAC	1	Makua Military Reservation	HI Onsite	N
<i>Tetramolopium lepidotum ssp. lepidotum</i>	No common name	E	Plant	PAC	1	Schofield Barracks	HI Onsite	N
<i>Tetraplasandra gymnocarpa</i>	Ohe`ohe	E	Plant	PAC	1	Kahuku Training Area	HI Onsite	N

Scientific Name (Genus species)	Common Name	Federal Listing Status	Category	IMA Region/ MACOM	FWS Region	Installation	State	Onsite/ Contiguous	Critical Habitat Onsite
<i>Tetraplasandra gymnocarpa (cont'd)</i>				PAC	1	Kawailoa Training Area	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
<i>Thalictrum cooleyi</i>	Meadowrue, Cooley's	E	Plant	SERO	4	Military Ocean Tml Sunny Point	NC	Contiguous	N
<i>Thelyptris boydiae</i>	No common name	C	Plant	PAC	1	Kawailoa Training Area	HI	Onsite	N
<i>Thomomys mazama</i>	Pocket gopher, Mazama	C	Mammal	NWRO	1	Fort Lewis	WA	Onsite	N
<i>Tiaroga cobitis</i>	Minnow, loach	T	Fish	SWRO	2	Fort Huachuca	AZ	Contiguous	N
<i>Trichechus manatus</i>	Manatee, West Indian	E	Mammal	SERO	4	Military Ocean Tml Sunny Point	NC	Contiguous	N
<i>Trifolium stoloniferum</i>	Clover, running buffalo	E	Plant	AMC	4	Blue Grass Army Depot	KY	Onsite	N
<i>Trillium reliquum</i>	Trillium, relict	E	Plant	SERO	4	Fort Benning	GA	Onsite	N
<i>Urera kaalae</i>	Opuhe	E	Plant	PAC	1	Schofield Barracks	HI	Onsite	N
<i>Viola chamissoniana ssp. chamissoniana</i>	Pamakani	E	Plant	PAC	1	Makua Military Reservation	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
<i>Viola oahuensis</i>	No common name	E	Plant	PAC	1	Kawailoa Training Area	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
<i>Vireo atricapillus</i>	Vireo, black-capped	E	Bird	ARNG	2	Camp Bowie	TX	Onsite	N
				SWRO	2	Fort Hood	TX	Onsite	N
				SWRO	2	Fort Sam Houston	TX	Onsite	N
				SWRO	2	Fort Sill	OK	Onsite	N
<i>Vireo bellii pusillus</i>	Vireo, least Bell's	E	Bird	ARNG	1	Camp Roberts Camp San Luis	CA	Contiguous	N
				ARNG	1	Obispo	CA	Onsite	N
				SWRO	1	Fort Hunter Liggett	CA	Contiguous	N
<i>Vulpes macrotis mutica</i>	Fox, San Joaquin kit	E	Mammal	ARNG	1	Camp Roberts	CA	Onsite	N
				SWRO	1	Fort Hunter Liggett	CA	Onsite	N
				SWRO	1	Parks RFTA	CA	Contiguous	N
<i>Xyris tennesseensis</i>	Grass, Tennessee yellow-eyed	E	Plant	AMC	4	Anniston Army Depot	AL	Onsite	N
<i>Zanthoxylum hawaiiense</i>	A`e	E	Plant	PAC	1	Pohakuloa Training Area	HI	Onsite	N
<i>Zanthoxylum oahuense</i>	A`e	C	Plant	PAC	1	Kawailoa Training Area	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
<i>Zapus hudsonius preblei</i>	Mouse, Preble's meadow jumping	T	Mammal	ARNG	6	Douglas Armory	WY	Contiguous	N

**Appendix C: TEPC & Installations Where Recorded -
Sorted by Common Name by Category**

Common Name	Scientific Name (Genus species)	Federal Listing Status	Category	IMA Region/ MACOM	FWS Region	Installation	State	Onsite/ Contiguous	Critical Habitat Onsite
MAMMALS									
Bat, gray	<i>Myotis grisescens</i>	E	Mammal	AMC	4	Holston AAP	TN	Onsite	N
				ARNG	4	Fort McClellan	AL	Onsite	N
				ARNG	4	Greenville, Utes2	KY	Contiguous	N
				BRAC	3	Indiana AAP	IN	Onsite	N
				NWRO	3	Fort Leonard Wood	MO	Onsite	N
				SERO	4	Fort Campbell	KY	Onsite	N
				SERO	4	Fort Knox	KY	Onsite	N
				SERO	4	Fort Rucker	AL	Contiguous	N
Bat, Hawaiian hoary	<i>Lasiurus cinereus semotus</i>	E	Mammal	ARNG	1	Hilo (Keaukaha Military Reserv	HI	Onsite	N
				PAC	1	Pohakuloa Training Area	HI	Onsite	N
Bat, Indiana	<i>Myotis sodalis</i>	E	Mammal	AMC	3	Iowa AAP	IA	Onsite	N
				AMC	3	Newport Chemical Depot	IN	Onsite	N
				ARNG	3	Camp Atterbury	IN	Onsite	N
				ARNG	3	Macon Training Site	MO	Onsite	N
				BRAC	3	Indiana AAP	IN	Onsite	N
				NERO	5	Fort Drum	NY	Contiguous	N
				NERO	5	Picatinny Arsenal	NJ	Onsite	N
				NWRO	3	Fort Leonard Wood	MO	Onsite	N
				SERO	4	Fort Campbell	KY	Onsite	N
				SERO	4	Fort Knox	KY	Onsite	N
				SERO	4	Redstone Arsenal	AL	Contiguous	N
Bat, lesser long-nosed	<i>Leptonycteris curasoae yerbabuena</i>	E	Mammal	SWRO	2	Fort Huachuca	AZ	Onsite	N
				USAR	3	88th RRC - Twinsburg USARC	OH	Onsite	N
Fox, San Joaquin kit	<i>Vulpes macrotis mutica</i>	E	Mammal	ARNG	1	Camp Roberts	CA	Onsite	N
				SWRO	1	Fort Hunter Liggett	CA	Onsite	N
				SWRO	1	Parks RFTA	CA	Contiguous	N
Jaguar	<i>Panthera onca</i>	E	Mammal	SWRO	2	White Sands Missile Range	NM	Onsite	N
Kangaroo rat, Stephens'	<i>Dipodomys stephensi</i>	E	Mammal	USAR	1	63rd RRC	CA	Contiguous	N
Manatee, West Indian	<i>Trichechus manatus</i>	E	Mammal	SERO	4	Military Ocean Tml Sunny Point	NC	Contiguous	N
Mouse, Preble's meadow jumping	<i>Zapus hudsonius preblei</i>	T	Mammal	ARNG	6	Douglas Armory	WY	Contiguous	N
Panther, Florida	<i>Puma concolor coryi</i>	E	Mammal	ARNG	4	Camp Blanding	FL	Onsite	N
Pocket gopher, Mazama	<i>Thomomys mazama</i>	C	Mammal	NWRO	1	Fort Lewis	WA	Onsite	N
Prairie dog, Utah	<i>Cynomys parvidens</i>	T	Mammal	ARNG	6	Cedar City	UT	Contiguous	N
Sea-lion, Steller	<i>Eumetopias jubatus</i>	T	Mammal	ARNG	1	Warrenton/Camp Rilea	OR	Contiguous	N
Wolf, gray	<i>Canis lupus</i>	T	Mammal	ARNG	3	Camp Ripley	MN	Onsite	N
				NWRO	3	Fort McCoy	WI	Onsite	N
				SWRO	2	White Sands Missile Range	NM	Contiguous	N
BIRDS									
Akiapola`au	<i>Hemignathus munroi</i>	E	Bird	PAC	1	Pohakuloa Training Area	HI	Onsite	N
Condor, California	<i>Gymnogyps californianus</i>	E	Bird	ARNG	1	Camp Roberts	CA	Contiguous	N
				ARNG	1	Camp San Luis Obispo	CA	Onsite	N
				SWRO	1	Fort Hunter Liggett	CA	Onsite	N
Coot, Hawaiian	<i>Fulica americana alai</i>	E	Bird	ARNG	1	Fort Ruger	HI	Onsite	N
				ARNG	1	Ukumehame Wets	HI	Onsite	N
Crane, whooping	<i>Grus americana</i>	E	Bird	SWRO	2	Fort Hood	TX	Onsite	N

Common Name	Scientific Name (Genus species)	Federal Listing Status	Category	IMA Region/ MACOM	FWS Region	Installation	Onsite/ Contiguous		Critical Habitat Onsite
							State		
Cuckoo, Yellow-billed	<i>Coccyzus americanus</i>	C	Bird	SWRO	2	Fort Huachuca	AZ	Onsite	N
				SWRO	2	White Sands Missile Range	NM	Onsite	N
Duck, Hawaiian	<i>Anas wyvilliana</i>	E	Bird	ARNG	1	Fort Ruger	HI	Onsite	N
				ARNG	1	Ukumehame Wets	HI	Onsite	N
Eagle, bald	<i>Haliaeetus leucocephalus</i>	T	Bird	AMC	6	Deseret Chemical Depot	UT	Contiguous	N
				AMC	1	Hawthorne Army Depot	NV	Onsite	N
				AMC	4	Holston AAP	TN	Onsite	N
				AMC	3	Newport Chemical Depot	IN	Onsite	N
				ARNG	3	(Clinton) Truman Reservoir TS	MO	Onsite	N
				ARNG	6	Camp Ashland	NE	Onsite	N
				ARNG	3	Camp Atterbury	IN	Onsite	N
				ARNG	4	Camp Blanding	FL	Onsite	N
				ARNG	3	Camp Crowder	MO	Onsite	N
				ARNG	3	Camp Grayling	MI	Onsite	N
				ARNG	6	Camp Guernsey	WY	Onsite	N
				ARNG	4	Camp J.T. Robinson	AR	Contiguous	N
				ARNG	1	Camp Murray Mta	WA	Onsite	N
				ARNG	3	Camp Perry	OH	Onsite	N
				ARNG	3	Camp Ripley	MN	Onsite	N
				ARNG	1	Camp Roberts	CA	Onsite	N
				ARNG	5	Camp Smith Training Site	NY	Contiguous	N
				ARNG	1	Corvallis/Camp Adair	OR	Contiguous	N
				ARNG	4	Fort Chaffee	AR	Contiguous	N
				ARNG	5	Fort Pickett	VA	Onsite	N
				ARNG	3	HQ STARC	MO	Onsite	N
				ARNG	3	Macon Training Site	MO	Onsite	N
				ARNG	1	Warrenton/Camp Rilea	OR	Onsite	N
				BRAC	3	Ravenna AAP	OH	Contiguous	N
				BRAC	6	Rocky Mountain Arsenal	CO	Onsite	N
				BRAC	3	Savanna Depot Activity	IL	Onsite	N
				BRAC	3	Sunflower AAP	MO	Contiguous	N
				NERO	5	Aberdeen Proving Ground	MD	Onsite	N
				NERO	5	Adelphi Laboratory Center	MD	Onsite	N
				NERO	5	Devens Reserve Training Facility	MA	Contiguous	N
				NERO	5	Fort A P Hill	VA	Onsite	N
				NERO	5	Fort Belvoir	VA	Onsite	N
				NERO	5	Fort Dix	NJ	Onsite	N
NERO	5	Fort Eustis	VA	Onsite	N				
NERO	5	Fort Lee	VA	Contiguous	N				
NERO	5	West Point Mil Reservation	NY	Onsite	N				
NWRO	6	Dugway Proving Ground	UT	Contiguous	N				
NWRO	6	Fort Carson	CO	Onsite	N				
NWRO	6	Fort Leavenworth	KS	Onsite	N				
NWRO	3	Fort Leonard Wood	MO	Onsite	N				
NWRO	1	Fort Lewis	WA	Onsite	N				
NWRO	3	Fort McCoy	WI	Onsite	N				
NWRO	6	Fort Riley	KS	Onsite	N				

Common Name	Scientific Name (Genus species)	Federal Listing Status	Category	IMA		FWS Region	Installation	Onsite/ Contiguous		Critical Habitat Onsite
				Region/ MACOM	Region			State	Contiguous	
Eagle, bald (cont'd)				NWRO	3		Rock Island Arsenal	IL	Onsite	N
				NWRO	1		Yakima Training Center	WA	Onsite	N
				SERO	4		Fort Benning	GA	Onsite	N
				SERO	4		Fort Gordon	GA	Contiguous	N
				SERO	4		Fort Knox	KY	Onsite	N
				SERO	4		Fort Rucker	AL	Contiguous	N
				SERO	4		Fort Stewart	GA	Onsite	N
				SERO	4		Military Ocean Tml Sunny Point	NC	Onsite	N
				SERO	4		Redstone Arsenal	AL	Onsite	N
				SWRO	2		Fort Bliss	TX-NM	Onsite	N
				SWRO	2		Fort Hood	TX	Onsite	N
				SWRO	1		Fort Hunter Liggett	CA	Onsite	N
				SWRO	2		White Sands Missile Range	NM	Onsite	N
				USAR	1		70th RRC - Vail Tree Farm	WA	Onsite	N
Eider, spectacled	<i>Somateria fischeri</i>	T	Bird	ARNG	7		Elim Armory	AK	Contiguous	N
				ARNG	7		St Michael Armory	AK	Contiguous	N
				ARNG	7		Shaktoolik Armory	AK	Onsite	N
				ARNG	7		Stebbins Armory	AK	Onsite	N
				ARNG	7		Stewart River Training Area	AK	Contiguous	N
				ARNG	7		Unalakleet Armory	AK	Onsite	N
Eider, Stellar's	<i>Polysticta stellari</i>	T	Bird	ARNG	7		Chevak Armory	AK	Contiguous	N
				ARNG	7		Kwigillingok Scout Armory	AK	Contiguous	N
Elepaio, Oahu	<i>Chasiempis sandwichensis ibidis</i>	E	Bird	PAC	1		Kawailoa Training Area	HI	Onsite	Y
				PAC	1		Makua Military Reservation	HI	Onsite	Y
				PAC	1		Schofield Barracks	HI	Onsite	Y
Falcon, northern aplomado	<i>Falco femoralis septentrionalis</i>	E	Bird	SWRO	2		Fort Bliss	TX-NM	Onsite	N
				SWRO	2		White Sands Missile Range	NM	Onsite	N
Flycatcher, southwestern willow	<i>Empidonax traillii extimus</i>	E	Bird	SWRO	2		Fort Huachuca	AZ	Contiguous	N
				SWRO	2		White Sands Missile Range	NM	Contiguous	N
Goose, Hawaiian	<i>Branta sandvicensis</i>	E	Bird	ARNG	1		Ukumehame Wets	HI	Onsite	N
				PAC	1		Pohakuloa Training Area	HI	Onsite	N
Grouse, greater sage	<i>Centrocercus urophasianus phaios</i>	C	Bird	NWRO	1		Yakima Training Center	WA	Onsite	N
Hawk, Hawaiian	<i>Buteo solitarius</i>	E	Bird	ARNG	1		Hilo (Keaukaha Military Reserv	HI	Onsite	N
				PAC	1		Pohakuloa Training Area	HI	Onsite	N
Jay, Florida scrub	<i>Aphelocoma coerulescens</i>	T	Bird	ARNG	4		Camp Blanding	FL	Onsite	N
Lark, Streaked horned	<i>Eremophila alpestris strigata</i>	C	Bird	NWRO	1		Fort Lewis	WA	Onsite	N
Moorhen, Hawaiian common	<i>Gallinula chloropus sandvicensis</i>	E	Bird	ARNG	1		Fort Ruger	HI	Onsite	N
				ARNG	1		Ukumehame Wets	HI	Onsite	N
Murrelet, marbled	<i>Brachyramphus marmoratus marmoratus</i>	T	Bird	ARNG	1		Warrenton/Camp Rilea	OR	Contiguous	N
				NWRO	1		Fort Lewis	WA	Contiguous	N

Common Name	Scientific Name (Genus species)	Federal Listing Status	Category	FWS		Onsite/ State Contiguous	Critical Habitat Onsite
				IMA Region/ MACOM	Installation		
Murrelet, marbled (cont'd)				USAR	1	70th RRC - Vail Tree Farm	WA Onsite N
Owl, Mexican spotted	<i>Strix occidentalis lucida</i>	T	Bird	ARNG	2	Camp Navajo	AZ Onsite Y
				NWRO	6	Fort Carson	CO Contiguous N
				SWRO	2	Fort Huachuca	AZ Onsite N
				SWRO	2	White Sands Missile Range	NM Contiguous N
Owl, northern spotted	<i>Strix occidentalis caurina</i>	T	Bird	ARNG	1	Corvallis/Camp Adair	OR Contiguous N
				ARNG	1	Warrenton/Camp Rilea	OR Contiguous N
				NWRO	1	Fort Lewis	WA Contiguous Y
				USAR	1	70th RRC - Vail Tree Farm & Weyhauser LTA	WA Onsite N
Palila	<i>Loxioides bailleui</i>	E	Bird	PAC	1	Pohakuloa Training Area	HI Onsite Y
Pelican, brown	<i>Pelecanus occidentalis</i>	E	Bird	ARNG	1	Warrenton/Camp Rilea	OR Contiguous N
				SWRO	2	White Sands Missile Range	NM Onsite N
Petrel, Hawaiian dark-rumped	<i>Pterodroma phaeopygia sandwichensis</i>	E	Bird	PAC	1	Pohakuloa Training Area	HI Onsite N
Plover, piping	<i>Charadrius melodus</i>	T	Bird	ARNG	6	Camp Grafton	ND Contiguous N
				ARNG	6	Garrison TS	ND Contiguous N
				ARNG	5	Sea Girt/Oms 25	NJ Onsite N
				ARNG	6	Williston TS	ND Contiguous N
				NWRO	6	Fort Riley	KS Onsite N
				SERO	4	Military Ocean Tml Sunny Point	NC Contiguous N
Plover, western snowy	<i>Charadrius alexandrinus nivosus</i>	T	Bird	ARNG	1	Warrenton/Camp Rilea	OR Contiguous N
				USAR	1	63rd RRC	CA Contiguous N
Pygmy-owl, cactus ferruginous	<i>Glaucidium brasilianum cactorum</i>	E	Bird	ARNG	2	Florence Mil Rsrvt	AZ Contiguous N
Shrike, San Clemente loggerhead	<i>Lanius ludovicianus mearnsi</i>	E	Bird	USAR	1	63rd RRC	CA Contiguous N
Stilt, Hawaiian	<i>Himantopus mexicanus knudseni</i>	E	Bird	ARNG	1	Kekaha Wets	HI Onsite N
				ARNG	1	Ukumehame Wets	HI Onsite N
Stork, wood	<i>Mycteria americana</i>	E	Bird	ARNG	4	Camp Blanding	FL Onsite N
				SERO	4	Fort Benning	GA Onsite N
				SERO	4	Fort Stewart	GA Onsite N
Tern, least	<i>Sterna antillarum</i>	E	Bird	ARNG	3	HQ STARC	MO Contiguous N
				ARNG	5	Sea Girt/Oms 25	NJ Onsite N
				NWRO	6	Fort Riley	KS Onsite N
				SWRO	2	White Sands Missile Range	NM Onsite N
Vireo, black-capped	<i>Vireo atricapillus</i>	E	Bird	ARNG	2	Camp Bowie	TX Onsite N
				SWRO	2	Fort Hood	TX Onsite N
				SWRO	2	Fort Sam Houston	TX Onsite N
				SWRO	2	Fort Sill	OK Onsite N
Vireo, least Bell's	<i>Vireo bellii pusillus</i>	E	Bird	ARNG	1	Camp Roberts Training Site	CA Contiguous N
				ARNG	1	Camp San Luis Obispo	CA Onsite N
				SWRO	1	Fort Hunter Liggett	CA Contiguous N
Warbler, golden-cheeked	<i>Dendroica chrysoparia</i>	E	Bird	ARNG	2	Camp Mabry	TX Onsite N
				SWRO	2	Fort Hood	TX Onsite N
				SWRO	2	Fort Sam Houston	TX Onsite N
Warbler, Kirtland's	<i>Dendroica kirtlandii</i>	E	Bird	ARNG	3	Camp Grayling	MI Onsite N

Common Name	Scientific Name (Genus species)	Federal Listing Status	Category	IMA Region/ MACOM	FWS Region	Installation	State	Onsite/ Contiguous	Critical Habitat Onsite
Woodpecker, red- cockaded	<i>Picoides borealis</i>	E	Bird	ARNG	4	Camp Beauregard	LA	Contiguous	N
				ARNG	4	Camp Blanding	FL	Onsite	N
				ARNG	4	Camp Shelby	MS	Contiguous	N
				ARNG	4	Leesburg Training Site	SC	Onsite	N
				SERO	4	Fort Benning	GA	Onsite	N
				SERO	4	Fort Bragg	GA	Onsite	N
				SERO	4	Fort Gordon	GA	Onsite	N
				SERO	4	Fort Jackson	SC	Onsite	N
				SERO	4	Fort Stewart	GA	Onsite	N
				SERO	4	Military Ocean Tml Sunny Point	NC	Onsite	N
				SWRO	4	Fort Polk	LA	Onsite	N
REPTILES									
Alligator, American	<i>Alligator mississippiensis</i>	T(S/A)	Reptile	AMC	2	Lone Star AAP	TX	Onsite	N
				ARNG	4	Camp Blanding	FL	Onsite	N
				ARNG	4	Camp Shelby	MS	Onsite	N
				SERO	4	Fort Benning	GA	Onsite	N
				SERO	4	Military Ocean Tml Sunny Point	NC	Onsite	N
Boa, Puerto Rican	<i>Epicrates inornatus</i>	E	Reptile	SERO	4	Fort Buchanan	PR	Onsite	N
Massasauga, eastern	<i>Sistrurus catenatus catenatus</i>	C	Reptile	ARNG	3	Camp Grayling	MI	Onsite	N
Snake, black pine	<i>Pituophis melanoleucus lodingi</i>	C	Reptile	ARNG	4	Camp Shelby	MS	Onsite	N
Snake, eastern indigo	<i>Drymarchon corais couperi</i>	T	Reptile	ARNG	4	Camp Blanding	FL	Onsite	N
				SERO	4	Fort Stewart	GA	Onsite	N
Snake, Louisiana Pine	<i>Pituophis ruthveni</i>	C	Reptile	SWRO	4	Fort Polk	LA	Onsite	N
Tortoise, desert	<i>Gopherus agassizii</i>	T	Reptile	ARNG	1	Clark County Complex	NV	Contiguous	N
		T(S/A)		ARNG	2	Florence Mil Rsrvt	AZ	Onsite	N
		T		SWRO	1	Fort Irwin	CA	Onsite	Y
Tortoise, gopher	<i>Gopherus polyphemus</i>	T	Reptile	ARNG	4	Camp Shelby	MS	Onsite	N
Turtle, bog	<i>Clemmys muhlenbergii</i>	T	Reptile	NERO	5	Picatiny Arsenal	NJ	Contiguous	N
Turtle, green sea	<i>Chelonia mydas</i>	T	Reptile	SERO	4	Military Ocean Tml Sunny Point	NC	Contiguous	N
Turtle, Kemp's ridley sea	<i>Lepidochelys kempii</i>	E	Reptile	SERO	4	Military Ocean Tml Sunny Point	NC	Contiguous	N
Turtle, leatherback sea	<i>Dermochelys coriacea</i>	E	Reptile	SERO	4	Military Ocean Tml Sunny Point	NC	Contiguous	N
Turtle, loggerhead sea	<i>Caretta caretta</i>	T	Reptile	SERO	4	Military Ocean Tml Sunny Point	NC	Contiguous	N
AMPHIBIANS									
Frog, California red- legged	<i>Rana aurora draytonii</i>	T	Amphibian	ARNG	1	Camp San Luis Obispo	CA	Onsite	N
				SWRO	1	Fort Hunter Liggett	CA	Contiguous	N
				SWRO	1	Parks RFTA	CA	Onsite	N
				USAR	1	63rd RRC	CA	Contiguous	N
Frog, Ramsey Canyon Leopard	<i>Rana subaquavocalis</i>	C	Amphibian	SWRO	2	Fort Huachuca	AZ	Onsite	N
Salamander, California tiger	<i>Ambystoma californiense</i>	T	Amphibian	SWRO	1	Fort Hunter Liggett	CA	Contiguous	N
				SWRO	1	Parks RFTA	CA	Onsite	N
				USAR	1	63rd RRC	CA	Onsite	N
Salamander, flatwoods	<i>Ambystoma cingulatum</i>	T	Amphibian	SERO	4	Fort Stewart	GA	Onsite	N
Salamander, Sonoran tiger	<i>Ambystoma tigrinum stebbinsi</i>	E	Amphibian	SWRO	2	Fort Huachuca	AZ	Onsite	N
Toad, Arroyo	<i>Bufo californicus</i>	E	Amphibian	SWRO	1	Fort Hunter Liggett	CA	Onsite	N

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FISH									
Cavefish, Ozark	<i>Amblyopsis rosae</i>	T	Fish	ARNG	3	Camp Crowder	MO	Contiguous	N
Darter, Arkansas	<i>Etheostoma cragini</i>	C	Fish	NWRO	6	Fort Carson	CO	Onsite	N
Darter, Maryland	<i>Etheostoma sellare</i>	E	Fish	NERO	5	Aberdeen Proving Ground	MD	Contiguous	N
Logperch, Roanoke	<i>Percina rex</i>	E	Fish	ARNG	5	Fort Pickett	VA	Onsite	N
Minnow, loach	<i>Tiaroga cobitis</i>	T	Fish	SWRO	2	Fort Huachuca	AZ	Contiguous	N
Salmon, chinook	<i>Oncorhynchus tshawytscha</i>	T	Fish	NWRO	1	Fort Lewis	WA	Onsite	N
				NWRO	1	Yakima Training Center	WA	Onsite	N
				USAR	1	70th RRC	WA	Onsite	N
Shiner, Topeka	<i>Notropis topeka</i>	E	Fish	NWRO	6	Fort Riley	KS	Onsite	N
Spikedace	<i>Meda fulgida</i>	T	Fish	SWRO	2	Fort Huachuca	AZ	Contiguous	N
Steelhead	<i>Oncorhynchus mykiss</i>	E	Fish	ARNG	1	Camp Roberts Training Site	CA	Onsite	N
				ARNG	1	Camp San Luis Obispo	CA	Onsite	N
				NWRO	1	Yakima Training Center	WA	Onsite	N
				T	NWRO	1	Yakima Training Center	WA	Onsite
Sturgeon, pallid	<i>Scaphirhynchus albus</i>	E	Fish	NWRO	6	Fort Leavenworth	KS	Onsite	N
Sturgeon, shortnose	<i>Acipenser brevirostrum</i>	E	Fish	ARNG	5	Camp Smith Training Site	NY	Contiguous	N
				NERO	5	Aberdeen Proving Ground	MD	Onsite	N
				NERO	5	West Point Mil Reservation	NY	Contiguous	N
				SERO	4	Fort Stewart	GA	Onsite	N
				SERO	4	Military Ocean Tml Sunny Point	NC	Contiguous	N
Trout, bull	<i>Salvelinus confluentus</i>	T	Fish	NWRO	1	Fort Lewis	WA	Onsite	N
				NWRO	1	Yakima Training Center	WA	Contiguous	N
				USAR	1	70th RRC	WA	Onsite	Y
Trout, Lahontan cutthroat	<i>Oncorhynchus clarki henshawi</i>	T	Fish	AMC	1	Hawthorne Army Depot	NV	Contiguous	N
CLAMS									
Pearlymussel, Higgins' eye	<i>Lampsilis higginsii</i>	E	Clam	BRAC	3	Savanna Depot Activity	IL	Onsite	N
SNAILS									
Pupu kuahiwi	<i>Achatinella apexfulva</i>	E	Snail	PAC	1	Kawailoa Training Area	HI	Onsite	N
Pupu kuahiwi	<i>Achatinella bulimoides</i>	E	Snail	PAC	1	Kawailoa Training Area	HI	Onsite	N
Pupu kuahiwi	<i>Achatinella byronii</i>	E	Snail	PAC	1	Kawailoa Training Area	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
Pupu kuahiwi	<i>Achatinella curta</i>	E	Snail	PAC	1	Kawailoa Training Area	HI	Onsite	N
Pupu kuahiwi	<i>Achatinella decipiens</i>	E	Snail	PAC	1	Kawailoa Training Area	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
Pupu kuahiwi	<i>Achatinella lila</i>	E	Snail	PAC	1	Kawailoa Training Area	HI	Onsite	N
Pupu kuahiwi	<i>Achatinella livida</i>	E	Snail	PAC	1	Kawailoa Training Area	HI	Onsite	N
Pupu kuahiwi	<i>Achatinella mustelina</i>	E	Snail	PAC	1	Makua Military Reservation	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
Pupu kuahiwi	<i>Achatinella pulcherrima</i>	E	Snail	PAC	1	Kawailoa Training Area	HI	Onsite	N
Pupu kuahiwi	<i>Achatinella sowerbyana</i>	E	Snail	PAC	1	Kawailoa Training Area	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
Snail, Morro shoulderband	<i>Helminthoglypta walkeriana</i>	E	Snail	ARNG	1	Camp San Luis Obispo	CA	Contiguous	N
Springsnail, Huachuca	<i>Pyrgulopsis thompsoni</i>	C	Snail	SWRO	2	Fort Huachuca	AZ	Onsite	N

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INSECTS									
Beetle, American burying	<i>Nicrophorus americanus</i>	E	Insect	AMC	2	McAlester AAP	OK Onsite	N	
				ARNG	2	Camp Gruber Training Site	OK Onsite	N	
				ARNG	2	Camp Maxey	TX Onsite	N	
				ARNG	4	Fort Chaffee	AR Onsite	N	
Beetle, valley elderberry longhorn	<i>Desmocerus californicus dimorphus</i>	T	Insect	AMC	1	Riverbank AAP	CA Contiguous	N	
Butterfly, Fender's blue	<i>Icaricia icarioides fenderi</i>	E	Insect	ARNG	1	Corvallis/Camp Adair	OR Contiguous	N	
Butterfly, Karner blue	<i>Lycaeides melissa samuelis</i>	E	Insect	ARNG	5	State Military Reservation	NH Onsite	N	
				NWRO	3	Fort McCoy	WI Onsite	N	
Butterfly, Oregon silverspot	<i>Speyeria zerene hippolyta</i>	T	Insect	ARNG	1	Warrenton/Camp Rilea	OR Onsite	Y	
Butterfly, Saint Francis' satyr	<i>Neonympha mitchellii francisci</i>	E	Insect	SERO	4	Fort Bragg	GA Onsite	N	
Butterfly, Whulge Checkerspot	<i>Euphydryas editha taylori</i>	C	Insect	NWRO	1	Fort Lewis	WA Onsite	N	
Damselfly, crimson Hawaiian	<i>Megalagrion leptodemus</i>	C	Insect	PAC	1	Schofield Barracks	HI Onsite	N	
Damselfly, orangeblack Hawaiian	<i>Megalagrion xanthomelas</i>	C	Insect	PAC	1	Tripler Army Medical Center	HI Onsite	N	
Ground beetle	<i>Rhadine exilis</i>	E	Insect	SWRO	2	Fort Sam Houston	TX Onsite	N	
Ground beetle	<i>Rhadine infernalis</i>	E	Insect	SWRO	2	Fort Sam Houston	TX Onsite	N	
Moth, Blackburn's sphinx	<i>Manduca blackburni</i>	E	Insect	ARNG	1	Kanaio Wets	HI Onsite	Y	
Skipper, Carson wandering	<i>Pseudocopaeodes eunus obscurus</i>	E	Insect	AMC	1	Sierra Army Depot	CA Contiguous	N	
Skipper, Mardon	<i>Polites mardon</i>	C	Insect	NWRO	1	Fort Lewis	WA Onsite	N	
ARACHNIDS									
Meshweaver, Madla's Cave	<i>Cicurina madla</i>	E	Arachnid	SWRO	2	Fort Sam Houston	TX Onsite	N	
CRUSTACEANS									
Crayfish, Camp Shelby burrowing	<i>Fallicambarus gordonii</i>	C	Crustacean	ARNG	4	Camp Shelby	MS Onsite	N	
Fairy shrimp, vernal pool	<i>Branchinecta lynchi</i>	T	Crustacean	ARNG	1	Camp Roberts	CA Onsite	N	
				SWRO	1	Fort Hunter Liggett	CA Onsite	N	
Shrimp, Alabama cave	<i>Palaemonias alabamae</i>	E	Crustacean	SERO	4	Redstone Arsenal	AL Onsite	N	
PLANTS									
A`e	<i>Zanthoxylum hawaiiense</i>	E	Plant	PAC	1	Pohakuloa Training Area	HI Onsite	N	
A`e	<i>Zanthoxylum oahuense</i>	C	Plant	PAC	1	Kawailoa Training Area	HI Onsite	N	
				PAC	1	Schofield Barracks	HI Onsite	N	
Aiea	<i>Nothocestrum latifolium</i>	C	Plant	PAC	1	Makua Military Reservation	HI Onsite	N	
				PAC	1	Schofield Barracks	HI Onsite	N	
`Akoko	<i>Chamaesyce celastroides var. kaenana</i>	E	Plant	PAC	1	Makua Military Reservation	HI Onsite	N	
`Akoko	<i>Chamaesyce herbstii</i>	E	Plant	PAC	1	Makua Military Reservation	HI Onsite	N	
`Akoko	<i>Chamaesyce rockii</i>	E	Plant	PAC	1	Kawailoa Training Area	HI Onsite	N	
				PAC	1	Schofield Barracks	HI Onsite	N	
`Akoko	<i>Euphorbia haeleeleana</i>	E	Plant	PAC	1	Makua Military Reservation	HI Onsite	N	
Alani	<i>Melicope hiiakae</i>	C	Plant	PAC	1	Kawailoa Training Area	HI Onsite	N	
Alani	<i>Melicope lydgatei</i>	E	Plant	PAC	1	Kawailoa Training Area	HI Onsite	N	
Amaranth, Seabeach	<i>Amaranthus pumilus</i>	T	Plant	ARNG	5	Sea Girt/Oms 25	NJ Onsite	N	

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Amole, purple	<i>Chlorogalum purpureum</i>	T	Plant	ARNG	1	Camp Roberts	CA	Onsite	N	
				SWRO	1	Fort Hunter Liggett	CA	Onsite	N	
Anaunau	<i>Lepidium arbuscula</i>	E	Plant	PAC	1	Dillingham Mil Reservation	HI	Contiguous	N	
				PAC	1	Makua Military Reservation	HI	Onsite	N	
				PAC	1	Schofield Barracks	HI	Onsite	N	
Aupaka	<i>Isodendron longifolium</i>	T	Plant	PAC	1	Schofield Barracks	HI	Onsite	N	
Bear-poppy, Dwarf	<i>Arctomecon humilis</i>	E	Plant	ARNG	6	Oms 10b/St George	UT	Onsite	N	
Button, Mohr's Barbara's	<i>Marshallia mohrii</i>	T	Plant	ARNG	4	Fort McClellan	AL	Onsite	N	
Cactus, Kuenzler hedgehog	<i>Echinocereus fendleri var. kuenzleri</i>	E	Plant	SWRO	2	Fort Bliss	TX- NM	Onsite	N	
Cactus, Nichol's Turk's head	<i>Echinocactus horizonthalonius var. nicholii</i>	E	Plant	SWRO	2	Yuma Proving Ground	AZ	Contiguous	N	
Cactus, Sneed pincushion	<i>Coryphantha sneedii var. sneedii</i>	E	Plant	SWRO	2	Fort Bliss	TX- NM	Onsite	N	
Chaffseed, American	<i>Schwalbea americana</i>	E	Plant	SERO	4	Fort Bragg	GA	Onsite	N	
Checker-mallow, Nelson's	<i>Sidalcea nelsoniana</i>	T	Plant	ARNG	1	Corvallis/Camp Adair	OR	Onsite	N	
Clover, running buffalo	<i>Trifolium stoloniferum</i>	E	Plant	AMC	4	Blue Grass Army Depot	KY	Onsite	N	
Coneflower, smooth	<i>Echinacea laevigata</i>	E	Plant	ARNG	4	Leesburg Training Site	SC	Onsite	N	
Daisy, basalt	<i>Erigeron basalticus</i>	C	Plant	NWRO	1	Yakima Training Center	WA	Onsite	N	
Fleabane, lemmon	<i>Erigeron lemmonii</i>	C	Plant	SWRO	2	Fort Huachuca	AZ	Onsite	N	
Gilia, Monterey	<i>Gilia tenuiflora ssp.arenaria</i>	E	Plant	USAR	1	63rd RRC	CA	Contiguous	N	
Goldenrod, Houghton's	<i>Solidago houghtonii</i>	T	Plant	ARNG	3	Camp Grayling	MI	Onsite	N	
Grass, Tennessee yellow-eyed	<i>Xyris tennesseensis</i>	E	Plant	AMC	4	Anniston Army Depot	AL	Onsite	N	
Ha`iwale	<i>Cyrtandra dentata</i>	E	Plant	PAC	1	Kawailoa Training Area	HI	Onsite	N	
				PAC	1	Makua Military Reservation	HI	Onsite	N	
Ha`iwale	<i>Cyrtandra subumbellata</i>	E	Plant	PAC	1	Schofield Barracks	HI	Onsite	N	
Ha`iwale	<i>Cyrtandra viridiflora</i>	E	Plant	PAC	1	Kawailoa Training Area	HI	Onsite	N	
				PAC	1	Schofield Barracks	HI	Onsite	N	
Haha	<i>Cyanea acuminata</i>	E	Plant	PAC	1	Kawailoa Training Area	HI	Onsite	N	
				PAC	1	Schofield Barracks	HI	Onsite	N	
Haha	<i>Cyanea calycina</i>	C	Plant	PAC	1	Kawailoa Training Area	HI	Onsite	N	
				PAC	1	Schofield Barracks	HI	Onsite	N	
Haha	<i>Cyanea grimesiana ssp. grimesiana</i>	E	Plant	PAC	1	Schofield Barracks	HI	Onsite	N	
Haha	<i>Cyanea grimesiana ssp. obatae</i>	E	Plant	PAC	1	Makua Military Reservation	HI	Onsite	N	
				PAC	1	Schofield Barracks	HI	Onsite	N	
Haha	<i>Cyanea humboldtiana</i>	E	Plant	PAC	1	Kawailoa Training Area	HI	Onsite	N	
Haha	<i>Cyanea koolauensis</i>	E	Plant	PAC	1	Kahuku Training Area	HI	Onsite	N	
				PAC	1	Kawailoa Training Area	HI	Onsite	N	
				PAC	1	Schofield Barracks	HI	Onsite	N	
Haha	<i>Cyanea longiflora</i>	E	Plant	PAC	1	Makua Military Reservation	HI	Onsite	N	
Haha	<i>Cyanea st-johnii</i>	E	Plant	PAC	1	Kawailoa Training Area	HI	Onsite	N	
				PAC	1	Schofield Barracks	HI	Onsite	N	
Hala pepe	<i>Pleomele forbesii</i>	C	Plant	PAC	1	Makua Military Reservation	HI	Onsite	N	
				PAC	1	Schofield Barracks	HI	Onsite	N	
Harperella	<i>Ptilimnium nodosum</i>	E	Plant	ARNG	5	BG Thomas B. Baker TS	MD	Onsite	N	

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Honohono	<i>Haplostachys haplostachya</i>	E	Plant	PAC	1	Pohakuloa Training Area	HI	Onsite	N
Howellia, water	<i>Howellia aquatilis</i>	T	Plant	NWRO	1	Fort Lewis	WA	Onsite	N
Kamakahala	<i>Labordia cyrtandrae</i>	E	Plant	PAC	1	Schofield Barracks	HI	Onsite	N
Kamanomano	<i>Cenchrus agrimonioides</i>	E	Plant	PAC	1	Makua Military Reservation	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
Kampua`a	<i>Hedyotis fluviatilis</i>	C	Plant	PAC	1	Kawailoa Training Area	HI	Onsite	N
Kaulu	<i>Pteralyxia macrocarpa</i>	C	Plant	PAC	1	Kahuku Training Area	HI	Onsite	N
				PAC	1	Makua Military Reservation	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
Kio`ele	<i>Hedyotis coriacea</i>	E	Plant	PAC	1	Pohakuloa Training Area	HI	Onsite	N
Kolea	<i>Myrsine fosbergii</i>	C	Plant	PAC	1	Kawailoa Training Area	HI	Onsite	N
Kolea	<i>Myrsine juddii</i>	E	Plant	PAC	1	Kawailoa Training Area	HI	Onsite	N
Kopiko	<i>Psychotria hexandra ssp. oahuensis</i>	C	Plant	PAC	1	Kawailoa Training Area	HI	Onsite	N
Kuahiwi laukahi	<i>Plantago princeps</i>	E	Plant	PAC	1	Schofield Barracks	HI	Onsite	N
Kulu`i	<i>Nototrichium humile</i>	E	Plant	PAC	1	Dillingham Mil Reservation	HI	Contiguous	N
				PAC	1	Makua Military Reservation	HI	Onsite	N
Ladies'-tresses, Ute	<i>Spiranthes diluvialis</i>	T	Plant	NWRO	6	Fort Carson	CO	Contiguous	N
Lau`ehu	<i>Panicum niihauense</i>	E	Plant	ARNG	1	Kekaha Wets	HI	Onsite	Y
Lo`ulu	<i>Pritchardia kaalae</i>	E	Plant	PAC	1	Makua Military Reservation	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
Loosestrife, rough-leaved	<i>Lysimachia asperulaefolia</i>	E	Plant	ARNG	4	Leesburg Training Site	SC	Onsite	N
				SERO	4	Fort Bragg	GA	Onsite	N
				SERO	4	Military Ocean Tml Sunny Point	NC	Onsite	N
Lupine, Kincaid's	<i>Lupinus sulphureus kincaidii</i>	T	Plant	ARNG	1	Corvallis/Camp Adair	OR	Onsite	N
Ma`o hau hele	<i>Hibiscus brackenridgei</i>	E	Plant	PAC	1	Makua Military Reservation	HI	Onsite	N
Ma`oli`oli	<i>Schiedea kealiae</i>	E	Plant	PAC	1	Dillingham Mil Reservation	HI	Onsite	N
Ma`aloa	<i>Neraudia angulata</i>	E	Plant	PAC	1	Makua Military Reservation	HI	Onsite	N
Mahoe	<i>Alectryon macrococcus</i>	E	Plant	PAC	1	Makua Military Reservation	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
Meadowfoam, sebastopol	<i>Limnanthes vinculans</i>	E	Plant	USAR	1	63rd RRC	CA	Onsite	N
Meadowrue, Cooley's	<i>Thalictrum cooleyi</i>	E	Plant	SERO	4	Military Ocean Tml Sunny Point	NC	Contiguous	N
Mehamehame	<i>Flueggea neowawraea</i>	E	Plant	PAC	1	Makua Military Reservation	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
Milk-vetch, Lane Mountain	<i>Astragalus jaegerianus</i>	E	Plant	SWRO	1	Fort Irwin	CA	Onsite	N
Na`ena`e	<i>Dubautia herbstobatae</i>	E	Plant	PAC	1	Makua Military Reservation	HI	Onsite	N
Nanu	<i>Gardenia mannii</i>	E	Plant	PAC	1	Kahuku Training Area	HI	Onsite	N
				PAC	1	Kawailoa Training Area	HI	Onsite	N
				PAC	1	Schofield Barracks	HI	Onsite	N
Nehe	<i>Lipochaeta tenuifolia</i>	E	Plant	PAC	1	Makua Military Reservation	HI	Onsite	N
Nioi	<i>Eugenia koolauensis</i>	E	Plant	PAC	1	Kahuku Training Area	HI	Onsite	N

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No common name	<i>Abutilon sandwicense</i>	E	Plant	PAC	1	Makua Military Reservation	HI Onsite	N
				PAC	1	Schofield Barracks	HI Onsite	N
No common name	<i>Alsinidendron obovatum</i>	E	Plant	PAC	1	Makua Military Reservation	HI Onsite	N
No common name	<i>Alsinidendron trinerve</i>	E	Plant	PAC	1	Schofield Barracks	HI Onsite	N
No common name	<i>Asplenium fragile</i> <i>var.insulare</i>	E	Plant	PAC	1	Pohakuloa Training Area	HI Onsite	N
No common name	<i>Bonamia menziesii</i>	E	Plant	PAC	1	Makua Military Reservation	HI Onsite	N
No common name	<i>Cyanea crispa</i>	E	Plant	PAC	1	Kawaiiloa Training Area	HI Onsite	N
No common name	<i>Cyanea superba</i>	E	Plant	PAC	1	Makua Military Reservation	HI Onsite	N
				PAC	1	Makua Military Reservation	HI Onsite	N
No common name	<i>Diellia falcata</i>	E	Plant	PAC	1	Makua Military Reservation	HI Onsite	N
				PAC	1	Schofield Barracks	HI Onsite	N
No common name	<i>Festuca hawaiiensis</i>	C	Plant	PAC	1	Pohakuloa Training Area	HI Onsite	N
No common name	<i>Hedyotis degeneri</i>	E	Plant	PAC	1	Makua Military Reservation	HI Onsite	N
No common name	<i>Hedyotis parvula</i>	E	Plant	PAC	1	Makua Military Reservation	HI Onsite	N
No common name	<i>Hesperomannia arborescens</i>	E	Plant	PAC	1	Kawaiiloa Training Area	HI Onsite	N
				PAC	1	Schofield Barracks	HI Onsite	N
No common name	<i>Hesperomannia arbuscula</i>	E	Plant	PAC	1	Makua Military Reservation	HI Onsite	N
No common name	<i>Lobelia gaudichaudii</i> ssp. <i>koolauensis</i>	E	Plant	PAC	1	Schofield Barracks	HI Onsite	N
No common name	<i>Lobelia niihauensis</i>	E	Plant	PAC	1	Makua Military Reservation	HI Onsite	N
				PAC	1	Schofield Barracks	HI Onsite	N
No common name	<i>Lobelia oahuensis</i>	E	Plant	PAC	1	Schofield Barracks	HI Onsite	N
No common name	<i>Lycopodium nutans</i>	E	Plant	PAC	1	Kawaiiloa Training Area	HI Onsite	N
No common name	<i>Neraudia ovata</i>	E	Plant	PAC	1	Pohakuloa Training Area	HI Onsite	N
No common name	<i>Phyllostegia hirsuta</i>	E	Plant	PAC	1	Kawaiiloa Training Area	HI Onsite	N
				PAC	1	Schofield Barracks	HI Onsite	N
No common name	<i>Phyllostegia kaalaensis</i>	E	Plant	PAC	1	Makua Military Reservation	HI Onsite	N
No common name	<i>Phyllostegia mollis</i>	E	Plant	PAC	1	Schofield Barracks	HI Onsite	N
No common name	<i>Phyllostegia parviflora</i>	E	Plant	PAC	1	Kawaiiloa Training Area	HI Onsite	N
No common name	<i>Platydesma cornuta cornuta</i>	C	Plant	PAC	1	Kawaiiloa Training Area	HI Onsite	N
No common name	<i>Platydesma cornuta</i> <i>descurrens</i>	C	Plant	PAC	1	Makua Military Reservation	HI Onsite	N
				PAC	1	Schofield Barracks	HI Onsite	N
No common name	<i>Pteris lidgatei</i>	E	Plant	PAC	1	Kawaiiloa Training Area	HI Onsite	N
				PAC	1	Schofield Barracks	HI Onsite	N
No common name	<i>Sanicula mariversa</i>	E	Plant	PAC	1	Makua Military Reservation	HI Onsite	N
No common name	<i>Sanicula purpurea</i>	E	Plant	PAC	1	Kawaiiloa Training Area	HI Onsite	N
				PAC	1	Schofield Barracks	HI Onsite	N
No common name	<i>Schiedea hookeri</i>	E	Plant	PAC	1	Makua Military Reservation	HI Onsite	N
				PAC	1	Schofield Barracks	HI Onsite	N
No common name	<i>Schiedea kaalae</i>	E	Plant	PAC	1	Makua Military Reservation	HI Onsite	N
				PAC	1	Schofield Barracks	HI Onsite	N
No common name	<i>Schiedea nuttallii</i>	E	Plant	PAC	1	Makua Military Reservation	HI Onsite	N
				PAC	1	Schofield Barracks	HI Onsite	N

Common Name	Scientific Name (Genus species)	Federal Listing Status	Category	IMA Region/ MACOM	FWS Region	Installation	Onsite/ State Contiguous	Critical Habitat Onsite
No common name	<i>Silene hawaiiensis</i>	T	Plant	PAC	1	Pohakuloa Training Area	HI Onsite	N
No common name	<i>Silene lanceolata</i>	E	Plant	PAC	1	Makua Military Reservation	HI Onsite	N
				PAC	1	Pohakuloa Training Area	HI Onsite	N
No common name	<i>Spermolepis hawaiiensis</i>	E	Plant	ARNG	1	Fort Ruger	HI Onsite	Y
				PAC	1	Makua Military Reservation	HI Onsite	N
				PAC	1	Pohakuloa Training Area	HI Onsite	N
No common name	<i>Stenogyne angustifolia</i> var. <i>angustifolia</i>	E	Plant	PAC	1	Pohakuloa Training Area	HI Onsite	N
No common name	<i>Stenogyne kanehoana</i>	E	Plant	PAC	1	Schofield Barracks	HI Onsite	N
No common name	<i>Tetramolopium arenarium</i>	E	Plant	PAC	1	Pohakuloa Training Area	HI Onsite	N
No common name	<i>Tetramolopium filiforme</i>	E	Plant	PAC	1	Makua Military Reservation	HI Onsite	N
No common name	<i>Tetramolopium lepidotum</i> ssp. <i>lepidotum</i>	E	Plant	PAC	1	Schofield Barracks	HI Onsite	N
No common name	<i>Thelyptris boydiae</i>	C	Plant	PAC	1	Kawailoa Training Area	HI Onsite	N
No common name	<i>Viola oahuensis</i>	E	Plant	PAC	1	Kawailoa Training Area	HI Onsite	N
				PAC	1	Schofield Barracks	HI Onsite	N
Oha	<i>Delissea subcordata</i>	E	Plant	PAC	1	Makua Military Reservation	HI Onsite	N
				PAC	1	Schofield Barracks	HI Onsite	N
Ohai	<i>Sesbania tomentosa</i>	E	Plant	ARNG	1	Kanaio Wets	HI Onsite	N
Ohe	<i>Joinvillea ascendens</i> <i>ascendens</i>	C	Plant	PAC	1	Kawailoa Training Area	HI Onsite	N
				PAC	1	Schofield Barracks	HI Onsite	N
Ohe`ohe	<i>Tetraplasandra gymnocarpa</i>	E	Plant	PAC	1	Kahuku Training Area	HI Onsite	N
				PAC	1	Kawailoa Training Area	HI Onsite	N
				PAC	1	Schofield Barracks	HI Onsite	N
Opuhe	<i>Urera kaalae</i>	E	Plant	PAC	1	Schofield Barracks	HI Onsite	N
Palo de rosa	<i>Ottoschulzia rhodoxylon</i>	E	Plant	SERO	4	Fort Buchanan	PR Onsite	N
Pamakani	<i>Viola chamissoniana</i> ssp. <i>chamissoniana</i>	E	Plant	PAC	1	Makua Military Reservation	HI Onsite	N
				PAC	1	Schofield Barracks	HI Onsite	N
Pauoa	<i>Ctenitis squamigera</i>	E	Plant	PAC	1	Makua Military Reservation	HI Onsite	N
				PAC	1	Schofield Barracks	HI Onsite	N
Pennyroyal, Todsen's	<i>Hedeoma todsenii</i>	E	Plant	SWRO	2	White Sands Missile Range	NM Onsite	Y
Pink, swamp	<i>Helonias bullata</i>	T	Plant	NERO	5	Fort A P Hill	VA Onsite	N
Piperia, Yadon's	<i>Piperia Yadonii</i>	E	Plant	SWRO	1	Presidio Of Monterey	CA Onsite	N
Po`e	<i>Portulaca sclerocarpa</i>	E	Plant	PAC	1	Pohakuloa Training Area	HI Onsite	N
Pogonia, small whorled	<i>Isotria medeoloides</i>	E	Plant	ARNG	5	Auburn Training Site	ME Onsite	N
				ARNG	5	NHNG Training Site	NH Onsite	N
				NERO	5	Fort A P Hill	VA Onsite	N
				NERO	5	Fort Belvoir	VA Onsite	N
Popolo ku mai	<i>Solanum incompletum</i>	E	Plant	PAC	1	Pohakuloa Training Area	HI Onsite	N
Potato-bean, Price's	<i>Apios priceana</i>	T	Plant	SERO	4	Redstone Arsenal	AL Onsite	N
Pu`uka`a	<i>Cyperus trachysanthos</i>	E	Plant	ARNG	1	Fort Ruger	HI Onsite	Y
Quillwort, Louisiana	<i>Isoetes louisianensis</i>	E	Plant	ARNG	4	Camp Shelby	MS Onsite	N
Rhododendron, Chapman	<i>Rhododendron chapmanii</i>	E	Plant	ARNG	4	Camp Blanding	FL Onsite	N
Schiedea, diamond head	<i>Schiedea adamantis</i>	E	Plant	ARNG	1	Fort Ruger	HI Onsite	N

Common Name	Scientific Name (Genus species)	Federal Listing Status	Category	IMA Region/ MACOM	FWS Region	Installation	State	Onsite/ Contiguous	Critical Habitat Onsite
Skullcap, large-flowered	<i>Scutellaria montana</i>	T	Plant	ARNG	4	Catoosa Range/TS	TN	Onsite	N
Spineflower, Monterey	<i>Chorizanthe pungens</i> var. <i>pungens</i>	T	Plant	BRAC	1	Fort Ord	CA	Onsite	N
				USAR	1	63rd RRC	CA	Onsite	N
Sumac, Michaux's	<i>Rhus michauxii</i>	E	Plant	ARNG	5	Fort Pickett	VA	Onsite	N
				SERO	4	Fort Bragg	GA	Onsite	N
Sunflower, Eggert's	<i>Helianthus eggertii</i>	T	Plant	ARNG	4	Tullahoma TS	TN	Onsite	N
Tarplant, Santa Cruz	<i>Holocarpha macradenia</i>	T	Plant	ARNG	1	Santa Cruz Armory	CA	Onsite	Y
Thistle, Chorro Creek bog	<i>Cirsium fontinale</i> var. <i>obispoense</i>	E	Plant	ARNG	1	Camp San Luis Obispo	CA	Onsite	N
Trillium, relict	<i>Trillium reliquum</i>	E	Plant	SERO	4	Fort Benning	GA	Onsite	N
Water-umbel, Huachuca	<i>Lilaeopsis schaffneriana</i> <i>ssp.recurva</i>	E	Plant	SWRO	2	Fort Huachuca	AZ	Onsite	Y

Appendix D: Installations with T&E Species Onsite

IMA Region/ MACOM	Installation	State	IMA Region/ MACOM	Installation	State
AMC	Anniston Army Depot	AL	ARNG	Corvallis/Camp Adair	OR
AMC	Blue Grass Army Depot	KY	ARNG	Florence Mil Rsvtn	AZ
AMC	Hawthorne Army Depot	NV	ARNG	Fort Chaffee	AR
AMC	Holston AAP	TN	ARNG	Fort McCellan	AL
AMC	Iowa AAP	IA	ARNG	Fort Pickett	VA
AMC	Lone Star AAP	TX	ARNG	Fort Ruger	HI
AMC	McAlester AAP	OK	ARNG	Hilo (Keaukaha) Military Rsvtn	HI
AMC	Newport Chemical Depot	IN	ARNG	HQ STARC	MO
ARNG	(Clinton) Truman Reservoir TS	MO	ARNG	Kanaio Wets	HI
ARNG	Auburn Training Site/Oms 2	ME	ARNG	Kekaha Wets	HI
ARNG	BG Thomas B. Baker TS	MD	ARNG	Leesburg Training Site	SC
ARNG	Camp Ashland	NE	ARNG	Macon Training Site	MO
ARNG	Camp Atterbury	IN	ARNG	NHNG Training Site	NH
ARNG	Camp Blanding	FL	ARNG	Santa Cruz Armory	CA
ARNG	Camp Bowie	TX	ARNG	St George/Oms 10b	UT
ARNG	Camp Crowder	MO	ARNG	Sea Girt/Oms 25	NJ
ARNG	Camp Grayling	MI	ARNG	Shaktoolik Armory	AK
ARNG	Camp Gruber Training Site	OK	ARNG	State Military Reservation	NH
ARNG	Camp Guernsey	WY	ARNG	Stebbins Armory	AK
ARNG	Camp Mabry	TX	ARNG	Tullahoma TS	TN
ARNG	Camp Maxey	TX	ARNG	Ukumehame Wets	HI
ARNG	Camp Murray	WA	ARNG	Unalakleet Armory	AK
ARNG	Camp Navajo	AZ	ARNG	Warrenton/Camp Rilea	OR
ARNG	Camp Perry	OH	BRAC	Fort Ord	CA
ARNG	Camp Ripley	MN	BRAC	Indiana AAP	IN
ARNG	Camp Roberts	CA	BRAC	Rocky Mountain Arsenal	CO
ARNG	Camp San Luis Obispo	CA	BRAC	Savanna Depot Activity	IL
ARNG	Camp Shelby	MS	NERO	Aberdeen Proving Ground	MD
ARNG	Catoosa Range/TS	TN	NERO	Adelphi Laboratory Center	MD

IMA Region/ MACOM	Installation	State	IMA Region/ MACOM	Installation	State
NERO	Fort A P Hill	VA	SERO	Fort Buchanan	PR
NERO	Fort Belvoir	VA	SERO	Fort Campbell	KY
NERO	Fort Dix	NJ	SERO	Fort Gordon	GA
NERO	Fort Eustis	VA	SERO	Fort Jackson	SC
NERO	Picatinny Arsenal	NJ	SERO	Fort Knox	KY
NERO	West Point Mil Reservation	NY	SERO	Fort Stewart	GA
NWRO	Fort Carson	CO	SERO	Military Ocean Tml Sunny Point	NC
NWRO	Fort Leavenworth	KS	SERO	Redstone Arsenal	AL
NWRO	Fort Leonard Wood	MO	SWRO	Fort Bliss	TX-NM
NWRO	Fort Lewis	WA	SWRO	Fort Hood	TX
NWRO	Fort McCoy	WI	SWRO	Fort Huachuca	AZ
NWRO	Fort Riley	KS	SWRO	Fort Hunter Liggett	CA
NWRO	Rock Island Arsenal	IL	SWRO	Fort Irwin	CA
NWRO	Yakima Training Center	WA	SWRO	Fort Polk	LA
PAC	Dillingham Mil Reservation	HI	SWRO	Fort Sam Houston	TX
PAC	Kahuku Training Area	HI	SWRO	Fort Sill	OK
PAC	Kawailoa Training Area	HI	SWRO	Parks RFTA	CA
PAC	Makua Military Reservation	HI	SWRO	Presidio Of Monterey	CA
PAC	Pohakuloa Training Area	HI	SWRO	White Sands Missile Range	NM
PAC	Schofield Barracks	HI	USAR	63rd RRC	CA
SERO	Fort Benning	GA	USAR	70th RRC	WA
SERO	Fort Bragg	GA	USAR	88th RRC - Twinsburg USARC	OH

Appendix E: T&E Species found on Army Installations

Scientific Name (Genus species)	Common Name	Federal Listing Status	Scientific Name (Genus species)	Common Name	Federal Listing Status
<i>Abutilon sandwicense</i>	No common name	E	<i>Branchinecta lynchi</i>	Fairy shrimp, vernal pool	T
<i>Achatinella apexfulva</i>	Pupu kuahiwi	E	<i>Branta sandvicensis</i>	Goose, Hawaiian	E
<i>Achatinella bulimoides</i>	Pupu kuahiwi	E	<i>Bufo californicus</i>	Toad, Arroyo	E
<i>Achatinella byronii</i>	Pupu kuahiwi	E	<i>Buteo solitarius</i>	Hawk, Hawaiian	E
<i>Achatinella curta</i>	Pupu kuahiwi	E	<i>Canis lupus</i>	Wolf, gray	T
<i>Achatinella decipiens</i>	Pupu kuahiwi	E	<i>Cenchrus agrimonoides</i>	Kamanomano	E
<i>Achatinella lila</i>	Pupu kuahiwi	E	<i>Chamaesyce celastroides</i> var. <i>kaenana</i>	Akoko	E
<i>Achatinella livida</i>	Pupu kuahiwi	E	<i>Chamaesyce herbstii</i>	Akoko	E
<i>Achatinella mustelina</i>	Pupu kuahiwi	E	<i>Chamaesyce rockii</i>	Akoko	E
<i>Achatinella pulcherrima</i>	Pupu kuahiwi	E	<i>Charadrius melodus</i>	Plover, piping	T
<i>Achatinella sowerbyana</i>	Pupu kuahiwi	E	<i>Chasiempis sandwichensis ibidis</i>	Elepaio, Oahu	E
<i>Acipenser brevirostrum</i>	Sturgeon, shortnose	E	<i>Chlorogalum purpureum</i>	Amole, purple	T
<i>Alectryon macrococcus</i>	Mahoe	E	<i>Chorizanthe pungens</i> var. <i>pungens</i>	Spineflower, Monterey	T
<i>Alligator mississippiensis</i>	Alligator, American	T(S/A)	<i>Cicurina madla</i>	Meshweaver, Madla's Cave	E
<i>Alsinidendron obovatum</i>	No common name	E	<i>Cirsium fontinale</i> var. <i>obispoense</i>	Thistle, Chorro Creek bog	E
<i>Alsinidendron trinerve</i>	No common name	E	<i>Coryphantha sneediivar. sneedii</i>	Cactus, Sneed pincushion	E
<i>Amaranthus pumilus</i>	Amaranth, Seabeach	T	<i>Ctenitis squamigera</i>	Pauoa	E
<i>Ambystoma californiense</i>	Salamander, California tiger	T	<i>Cyanea acuminata</i>	Haha	E
<i>Ambystoma cingulatum</i>	Salamander, flatwoods	T	<i>Cyanea crispa</i>	No common name	E
<i>Ambystoma tigrinum stebbinsi</i>	Salamander, Sonoran tiger	E	<i>Cyanea grimesiana</i> ssp <i>grimesiana & obatae</i>	Haha	E
<i>Anas wyvilliana</i>	Duck, Hawaiian	E	<i>Cyanea humboldtiana</i>	Haha	E
<i>Aphelocoma coerulescens</i>	Jay, Florida scrub	T	<i>Cyanea koolauensis</i>	Haha	E
<i>Apios priceana</i>	Potato-bean, Price's	T	<i>Cyanea longiflora</i>	Haha	E
<i>Arctomecon humilis</i>	Bear-poppy, Dwarf	E	<i>Cyanea st-johnii</i>	Haha	E
<i>Asplenium fragile</i> var. <i>insulare</i>	No common name	E	<i>Cyanea superba</i>	No common name	E
<i>Astragalus jaegerianus</i>	Milk-vetch, Lane Mountain	E	<i>Cyperus trachysanthos</i>	Pu`uka`a	E
<i>Bonamia menziesii</i>	No common name	E	<i>Cyrtandra dentata</i>	Ha`iwale	E
<i>Brachyramphus marmoratus</i> <i>marmoratus</i>	Murrelet, marbled	T	<i>Cyrtandra subumbellata</i>	Ha`iwale	E

Scientific Name (Genus species)	Common Name	Federal Listing Status	Scientific Name (Genus species)	Common Name	Federal Listing Status
<i>Cyrtandra viridiflora</i>	Ha`iwale	E	<i>Helonias bullata</i>	Pink, swamp	T
<i>Delissea subcordata</i>	Oha	E	<i>Hemignathus munroi</i>	Akiapola`au	E
<i>Dendroica chrysoparia</i>	Warbler, golden-cheeked	E	<i>Hesperomannia arborescens</i>	No common name	E
<i>Dendroica kirtlandii</i>	Warbler, Kirtland's	E	<i>Hesperomannia arbuscula</i>	No common name	E
<i>Diellia falcata</i>	No common name	E	<i>Hibiscus brackenridgei</i>	Ma`o hau hele	E
<i>Drymarchon corais couperi</i>	Snake, eastern indigo	T	<i>Himantopus mexicanus knudseni</i>	Stilt, Hawaiian	E
<i>Dubautia herbstobatae</i>	Na`ena`e	E	<i>Holocarpha macradenia</i>	Tarplant, Santa Cruz	T
<i>Echinacea laevigata</i>	Coneflower, smooth	E	<i>Howellia aquatilis</i>	Howellia, water	T
<i>Echinocereus fendleri</i> var. <i>kuenzleri</i>	Cactus, Kuenzler hedgehog	E	<i>Isodendrion longifolium</i>	Aupaka	T
<i>Epicrates inornatus</i>	Boa, Puerto Rican	E	<i>Isoetes louisianensis</i>	Quillwort, Louisiana	E
<i>Eugenia koolauensis</i>	Nioi	E	<i>Isotria medeoloides</i>	Pogonia, small whorled	T
<i>Euphorbia haeleeeleana</i>	Akoko	E	<i>Labordia cyrtandrae</i>	Kamakahala	E
<i>Falco femoralis septentrionalis</i>	Falcon, northern aplomado	E	<i>Lampsilis higginsii</i>	Pearlymussel, Higgins' eye	E
<i>Flueggea neowawraea</i>	Mehamehame	E	<i>Lasiurus cinereus semotus</i>	Bat, Hawaiian hoary	E
<i>Fulica americana alai</i>	Coot, Hawaiian	E	<i>Lepidium arbuscula</i>	Anaunau	E
<i>Gallinula chloropus sandvicensis</i>	Moorhen, Hawaiian common	E	<i>Leptonycteris curasoae</i> <i>yerbabuena</i>	Bat, lesser long-nosed	E
<i>Gardenia mannii</i>	Nanu	E	<i>Lilaeopsis schaffneriana</i> <i>ssp. recurva</i>	Water-umbel, Huachuca	E
<i>Gopherus agassizii</i>	Tortoise, desert	T & T(S/A)	<i>Limnanthes vinculans</i>	Meadowfoam, sebastopol	E
<i>Gopherus polyphemus</i>	Tortoise, gopher	T	<i>Lipochaeta tenuifolia</i>	Nehe	E
<i>Grus americana</i>	Crane, whooping	E	<i>Lobelia gaudichaudii</i> ssp. <i>koolauensis</i>	No common name	E
<i>Gymnogyps californianus</i>	Condor, California	E	<i>Lobelia niihauensis</i>	No common name	E
<i>Haliaeetus leucocephalus</i>	Eagle, bald	T	<i>Lobelia oahuensis</i>	No common name	E
<i>Haplostachys haplostachya</i>	Honohono	E	<i>Loxioides bailleui</i>	Palila	E
<i>Hedeoma todsenii</i>	Pennyroyal, Todsen's	E	<i>Lupinus sulphureus kincaidii</i>	Lupine, Kincaid's	T
<i>Hedyotis coriacea</i>	Kio`ele	E	<i>Lycaeides melissa samuelis</i>	Butterfly, Karner blue	E
<i>Hedyotis degeneri</i>	No common name	E	<i>Lycopodium nutans</i>	No common name	E
<i>Hedyotis parvula</i>	No common name	E	<i>Lysimachia asperulaefolia</i>	Loosestrife, rough-leaved	E
<i>Helianthus eggertii</i>	Sunflower, Eggert's	T	<i>Manduca blackburni</i>	Moth, Blackburn's sphinx	E

Scientific Name (Genus species)	Common Name	Federal Listing Status	Scientific Name (Genus species)	Common Name	Federal Listing Status
<i>Marshallia mohrii</i>	Button, Mohr's Barbara's	T	<i>Pritchardia kaalae</i>	Lo`ulu	E
<i>Melicope lydgatei</i>	Alani	E	<i>Pteris lidgatei</i>	No common name	E
<i>Mycteria americana</i>	Stork, wood	E	<i>Pterodroma phaeopygia sandwichensis</i>	Petrel, Hawaiian dark-rumped	E
<i>Myotis grisescens</i>	Bat, gray	E	<i>Ptilimnium nodosum</i>	Harperella	E
<i>Myotis sodalis</i>	Bat, Indiana	E	<i>Puma concolor coryi</i>	Panther, Florida	E
<i>Myrsine juddii</i>	Kolea	E	<i>Rana aurora draytonii</i>	Frog , California red-legged	T
<i>Neonympha mitchellii francisci</i>	Butterfly, Saint Francis' satyr	E	<i>Rhadine exilis</i>	Ground beetle	E
<i>Neraudia angulata</i>	Ma'aloa	E	<i>Rhadine infernalis</i>	Ground beetle	E
<i>Neraudia ovata</i>	No common name	E	<i>Rhododendron chapmanii</i>	Rhododendron, Chapman	E
<i>Nicrophorus americanus</i>	Beetle, American burying	E	<i>Rhus michauxii</i>	Sumac, Michaux's	E
<i>Nototrichium humile</i>	Kulu`i	E	<i>Salvelinus confluentus</i>	Trout, bull	T
<i>Notropis topeka</i>	Shiner, Topeka	E	<i>Sanicula mariversa</i>	No common name	E
<i>Oncorhynchus mykiss</i>	Steelhead	E	<i>Sanicula purpurea</i>	No common name	E
<i>Oncorhynchus tshawytscha</i>	Salmon, Chinook	T	<i>Scaphirhynchus albus</i>	Sturgeon, pallid	E
<i>Ottoschulzia rhodoxylon</i>	Palo de rosa	E	<i>Schiedea adamantis</i>	Schiedea, diamond head	E
<i>Palaemonias alabamae</i>	Shrimp, Alabama cave	E	<i>Schiedea hookeri</i>	No common name	E
<i>Panicum niihauense</i>	Lau `ehu	E	<i>Schiedea kaalae</i>	No common name	E
<i>Panthera onca</i>	Jaguar	E	<i>Schiedea kealiae</i>	Ma`oli`oli	E
<i>Pelecanus occidentalis</i>	Pelican, brown	E	<i>Schiedea nuttallii</i>	No common name	E
<i>Percina rex</i>	Logperch, Roanoke	E	<i>Schwalbea americana</i>	Chaffseed, American	E
<i>Phyllostegia hirsuta</i>	No common name	E	<i>Scutellaria montana</i>	Skullcap, large-flowered	T
<i>Phyllostegia kaalaensis</i>	No common name	E	<i>Sesbania tomentosa</i>	Ohai	E
<i>Phyllostegia mollis</i>	No common name	E	<i>Sidalcea nelsoniana</i>	Checker-mallow, Nelson's	T
<i>Phyllostegia parviflora</i>	No common name	E	<i>Silene hawaiiensis</i>	No common name	T
<i>Picoides borealis</i>	Woodpecker, red-cockaded	E	<i>Silene lanceolata</i>	No common name	E
<i>Piperia Yadonii</i>	Piperia, Yadon's	E	<i>Solanum incompletum</i>	Popolo ku mai	E
<i>Plantago princeps</i>	Kuahiwi laukahi	E	<i>Solidago houghtonii</i>	Goldenrod, Houghton's	T
<i>Portulaca sclerocarpa</i>	Po`e	E	<i>Somateria fischeri</i>	Eider, spectacled	T

Scientific Name (Genus species)	Common Name	Federal Listing Status	Scientific Name (Genus species)	Common Name	Federal Listing Status
<i>Spermolepis hawaiiensis</i>	No common name	E	<i>Trifolium stoloniferum</i>	Clover, running buffalo	E
<i>Speyeria zerene hippolyta</i>	Butterfly, Oregon silverspot	T	<i>Trillium reliquum</i>	Trillium, relict	E
<i>Stenogyne angustifolia</i> var. <i>angustifolia</i>	No common name	E	<i>Urera kaalae</i>	Opuhe	E
<i>Stenogyne kanehoana</i>	No common name	E	<i>Viola chamissoniana</i> ssp. <i>chamissoniana</i>	Pamakani	E
<i>Sterna antillarum</i>	Tern, least	E	<i>Viola oahuensis</i>	No common name	E
<i>Strix occidentalis</i> ssp. <i>caurina</i> & <i>lucida</i>	Owl, northern spotted & Mexican spotted	T	<i>Vireo atricapillus</i>	Vireo, black-capped	E
<i>Tetramolopium arenarium</i>	No common name	E	<i>Vireo bellii pusillus</i>	Vireo, least Bell's	E
<i>Tetramolopium filiforme</i>	No common name	E	<i>Vulpes macrotis mutica</i>	Fox, San Joaquin kit	E
<i>Tetramolopium lepidotum</i> ssp. <i>lepidotum</i>	No common name	E	<i>Xyris tennesseensis</i>	Grass, Tennessee yellow- eyed	E
<i>Tetraplasandra gymnocarpa</i>	Ohe`ohe	E	<i>Zanthoxylum hawaiiense</i>	A`e	E