

Growing Refuges to Recover Imperiled Species

Identifying opportunities in the National Wildlife Refuge System to support listed species recovery through land acquisition

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Executive Summary

The National Wildlife Refuge System protects habitats that support hundreds of species listed under the Endangered Species Act. Recovering threatened and endangered species is central to the mission of the Refuge System, and the protection of larger areas of habitat is an essential component of listed species recovery. However, because land acquisition funding is limited, difficult decisions must be made about which refuges receive money to acquire new habitat each year. Under current policies, listed species are only one of several priorities for Refuge System growth, and recent history suggests that little or no acquisition funding is being allocated to some of the refuges most important to listed species. A nationwide analysis that identifies refuges offering the greatest opportunities to promote listed species recovery through land acquisition may help guide the allocation process to better achieve that goal.

This report demonstrates one way of conducting such an analysis. We developed two metrics to estimate the potential of acquisition to contribute to listed species recovery: the number of listed species on each refuge that are unique to that refuge, and the number of listed species on each refuge that rely on the Refuge System more than other federal lands. Refuges were ranked based on a combination of these metrics and the area of privately owned, unprotected habitat available inside approved refuge acquisition boundaries. We suggest that these rankings reflect the degree of opportunity for promoting listed species recovery through land acquisition and recommend prioritizing the top-ranked refuges throughout the funding allocation process. These include Everglades to Gulf Conservation Area in Florida, Hakalau Forest National Wildlife Refuge in Hawaii, Lower Rio Grande Valley National Wildlife Refuge in Texas, and San Diego National Wildlife Refuge in California. Only 18 percent of the refuges highlighted by our analysis received acquisition funding in the past three years, illustrating the need for a shift in allocation priorities.

The National Wildlife Refuge System is a vital resource for threatened and endangered species

The National Wildlife Refuge System is the only system of federal lands expressly dedicated to the conservation of wildlife and their habitats. The more than 570 units of the Refuge System encompass 95 million acres of land and 760 million acres of ocean and seafloor, with at least one in every U.S. state, territory, and ecosystem type. While refuges offer protection to all species within their borders, they are particularly important for species listed as threatened or endangered under the Endangered Species Act (ESA). Based on documents published by the U.S. Fish and Wildlife Service (FWS or Service), 472 ESA-listed species occur on refuges, and 440 refuges support at least one listed species. In

both cases, the true number is likely even higher.

A report by the General Accounting Office assessing the contributions of the Refuge System to species recovery noted that “one of the primary efforts for the recovery of listed species is to stabilize or reverse the deterioration of their habitat” and “refuges contribute to the recovery of listed species by providing secure habitat.”¹ As the threats facing listed species—including development, natural resource extraction, invasive species, and climate change—continue to proliferate and intensify, a larger area of protected land will be needed to ensure their survival. Expansion of the protected areas network has been identified as a key means of safeguarding biodiversity by slowing habitat loss² and securing opportunities for climate

¹ General Accounting Office, “National Wildlife Refuge System: Contributions Being Made to Endangered Species Recovery” (1994), page 6

² Geldmann et al., 2019; Wolf et al., 2021

adaptation,³ which in turn lowers extinction risk.⁴

With its conservation mission, rigorous legal safeguards, and the authority and means to grow, the Refuge System is perhaps the best available mechanism to protect land for the benefit of wildlife. Unfortunately, the availability of funding and other practical constraints demand difficult decisions about which refuges will be expanded. This report proposes analyses to help identify opportunities within the Refuge System to promote listed species recovery through land acquisition and recommends refuges to be prioritized for acquisition funding based on the results.

Listed species recovery should be prioritized to a greater degree in the strategic growth of the Refuge System

The National Wildlife Refuge System Administration Act of 1966, as amended by the National Wildlife Refuge System Improvement Act of 1997, requires the Secretary of the Interior to “plan and direct the continued growth of the System in a manner that is best designed to accomplish the mission of the System”⁵ The mission of the Refuge System is to “administer a national network of lands and waters for the conservation, management, and where appropriate, restoration of the fish, wildlife, and plant resources and their habitats within the United States for the benefit of present and future generations of Americans.”⁶ The manner of growth is outlined in the Refuge System’s Strategic Growth Policy, which states that expansion must focus on recovery of threatened and endangered species, conservation of migratory birds, and implementation of the North American Waterfowl Management Plan.

There are several pathways to refuge expansion, including the purchase of properties or easements from willing sellers, the receipt of donated land, and the withdrawal and transfer of lands administered by other federal agencies. Refuges are established with approved acquisition boundaries within which FWS is authorized to acquire properties. (In this report, “acquisition area” refers to the area defined by these boundaries). The purchase of private lands is mostly supported by two funding sources, the Migratory Bird Conservation Fund (MBCF) and the Land and Water Conservation Fund (LWCF). The MBCF, funded largely by the sale of federal Duck Stamps and import duties collected on arms and ammunition, has historically been used for acquisitions intended to benefit waterfowl and wetlands, though the law now requires that refuges created or expanded via the MBCF also be managed for listed species. The LWCF, with \$900 million of mandatory spending shared among federal land managing agencies, is primarily funded by offshore oil and gas leases. One of the four purposes for which LWCF funding may be used, according to its establishing law, is the acquisition of land “needed for the purpose of conserving endangered or threatened species of fish or wildlife or plants.”⁷ For this reason, it is typically thought of as the primary means of acquiring land to help recover listed species. However, because the Strategic Growth Policy does not specify whether or how listed species, waterfowl, and migratory birds should be prioritized with respect to each other and does not assign funding mechanisms to each group, there is no funding source that is explicitly prioritized for listed species.

The consequences of this are seen in the implementation of the Targeted Resource

³ Lehtikoinen et al., 2018; Carroll and Ray, 2021

⁴ Stolton et al., 2015; Gray et al., 2016; Dinerstein et al., 2017, 2019

⁵ 16 U.S.C. § 668dd(a)(4)(C)

⁶ 16 U.S.C. § 668dd(a)(2)

⁷ 16 U.S.C. 4601-9(a)(1)

Acquisition Comparison Tool (TRACT), a system used by FWS as part of the process for assessing acquisition proposals and informing the annual allocation of LWCF and MBCF funding according to science-based refuge rankings. Waterfowl, migratory birds, and listed species are currently given equal weight in TRACT.⁸ This co-equal approach can invite situations where limited land acquisition resources are directed to areas that would primarily benefit waterfowl and migratory birds rather than listed species. Prioritizing listed species in Refuge System expansion would, among other changes, require placing greater emphasis on their needs in TRACT and other processes for allocating acquisition funds.

Given the Service's affirmative conservation duty under section 7(a)(1) of the Endangered Species Act, and its other statutory mandates and regulations related to listed species, there is ample reason to give greater priority to the needs of listed species in the strategic growth of the Refuge System. In a time of escalating extinction and climate crises there is a pressing need to do so.

A nationwide analysis can help to identify refuges that offer the greatest opportunities to promote listed species recovery through land acquisition

Individual refuges represent varying levels of opportunity for promoting listed species recovery through land acquisition. The degree of opportunity is a function of the total area of habitat available to acquire and the potential of each unit of that habitat to benefit listed species. To prioritize listed species recovery, funds should, in general, be allocated to those refuges that offer the greatest opportunities. In this report we demonstrate methods by which the best available science can be used to identify such opportunities and inform the efficient use of limited acquisition

funds to achieve improved outcomes for listed species.

The needs of each listed species are unique, as are the resources offered by each acre of habitat. This places limits on any attempt to generalize about the benefits that land acquisition offers to listed species. However, for the purpose of enabling a nationwide comparison of refuges, it may be useful to assume that protecting additional habitat within the approved acquisition boundaries of refuges where listed species occur will support larger, more resilient populations of those species, which will in turn contribute positively to their recovery.

The Strategic Growth Policy correctly notes that the growth of the Refuge System should support “species-based population objectives derived from landscape conservation designs.”⁹ Analysis of species- and refuge-specific factors should drive the final decisions about the allocation of refuge acquisition funding. However, given the idiosyncrasies of each species and refuge, and the fact that only a small fraction of all refuges can receive land acquisition funding each year, refuges are inevitably placed in competition based on “apples to oranges” comparisons. In addition, each FWS region develops its lists of priority refuges independently, and likely by different methods. It is important to have a uniform process that can be applied consistently to refuges nationwide to identify those where acquisition has the greatest potential to benefit listed species. Such a system would complement the case-by-case analyses, either at the start of the process by pointing to refuges that merit a closer look, or at the end by helping to choose among refuges that are otherwise closely matched.

A variety of species data may help to place refuges on the spectrum of opportunity for listed species recovery:

⁸ FWS Budget Justification for fiscal year [2025](#), page LA-7

⁹ 602 FW 5.2(E)

*Number of listed species found on the refuge.*¹⁰ At the most basic level, the benefit of each unit of acquisition is greater where it is expected to protect habitat that supports a greater number of listed species.

Conservation status of listed species on the refuge. The benefit would also be greater if acquisition is more likely to be the key factor in preventing a species' extinction or achieving its recovery. This may be the case for species that are particularly imperiled as a result of dwindling habitat.

Proportion of the ranges of listed species covered by the refuge. A refuge offers a greater degree of opportunity if its approved acquisition boundary encompasses a notably large portion of a species' range, because in that case expansion of the refuge can have an outsized influence on the species' recovery.

We developed two metrics based on species data to use in our analysis:

Number of listed species unique to the refuge. "Unique" listed species are those that occur on a single refuge only. For each unique species on a refuge, the opportunity to promote listed species recovery through land acquisition is heightened by the fact that that refuge represents the only opportunity within the Refuge System to promote the recovery of that species. It is also likely that species unique to a refuge are endemic to a small area, making them more vulnerable to events that could jeopardize their survival. For these reasons, refuges with more unique species generally offer a greater degree of opportunity than those with fewer.

Number of listed species on the refuge for which the Refuge System has a greater responsibility than other federal land managers. The FWS is just one of the federal agencies that play a role in habitat conservation and species recovery (others

include Bureau of Land Management, U.S. Forest Service, National Park Service, and Department of Defense). We note that the Refuge System effectively has the greatest responsibility for the recovery of a species when refuge holdings and approved acquisition areas make up a greater proportion of its range than lands managed by other agencies. This metric tallies these "Refuge System responsibility" species. Because it includes unacquired lands within approved acquisition boundaries, it indicates refuges where FWS has a greater opportunity to promote listed species recovery through land acquisition relative to the management tools available to other federal agencies.

Regardless of the listed species that occur on a refuge, there can only be an opportunity to benefit those species through land acquisition if land is available to acquire. Refuge acquisition boundaries vary widely in size, as does the proportion of the acquisition area already administered by the Refuge System. In some cases there is no remaining land to acquire. Likewise, acquisition areas often include a range of landcover types that vary widely in terms of habitat quality. In addition to quantifying the benefit to listed species from each unit of habitat acquired, any attempt to compare refuges based on opportunities to promote listed species recovery through land acquisition must also estimate the amount of useful habitat that could be added to each refuge. To that end, our analysis incorporates the following metric:

Amount of habitat available to acquire. The acreage of land available to acquire at each refuge was found by subtracting currently managed refuge lands—and lands held by other federal agencies, state or local governments, and tribes—from the area inside acquisition boundaries.¹¹ We also

¹⁰ See the Defenders of Wildlife report "[Finding Refuge: Imperiled Species and the National Wildlife Refuge System](#)" (2020)

¹¹ In sum, all lands included in the [PAD-US spatial data layer](#) of protected areas were removed from within acquisition boundaries to determine the area available for refuges to acquire with LWCF or MBCF funding.

removed privately held lands with protected legal status (e.g., conservation easements), open ocean, and areas classified as developed or cropland because their acquisition would not offer significant opportunities to aid species recovery relative to current conditions.¹²

Additional details about the metrics and methods used in this report are provided in Appendix A. The following are some of the key findings from our analysis.

The Refuge System supports a wide array of listed species

We identified the listed species that occur on each refuge,¹³ assigning species to refuges only when we found the relationship had been established in documents published by FWS, including comprehensive conservation plans (CCPs) and land protection plans (LPPs). This intentionally conservative approach surely omitted some listed species from refuges where they do occur, either because they have not yet been observed there, or because the species-refuge association was not mentioned in any of the sources we reviewed.

We determined that at least 472 listed species occur on at least 440 of the more than 570 fee simple refuges and conservation areas in the Refuge System (Appendix D). The refuge with the most listed species is the recently established Everglades to Gulf Conservation Area (CA) in Florida, with 41. Not surprisingly, refuges with the greatest numbers of listed species are often those in highly diverse tropical and sub-tropical regions, including Hawaii's Hakalau Forest National Wildlife Refuge (NWR) with 31 species, additional refuges in Florida, and refuges in southern Texas and California. We used the species/refuge data to develop the

unique and Refuge System responsibility species metrics used in the report analyses.

Many listed species occur on a single refuge, and many refuges are home to unique listed species

A total of 235 listed species were determined to occur on only a single refuge, and 91 refuges have at least one species that occurs nowhere else in the Refuge System (Appendix D). Some refuges with the greatest numbers of unique species include Hakalau Forest with 27 species, Nevada's Ash Meadows NWR with 12, and California's San Diego NWR with 11. Notable unique species at these refuges include the Hawaiian creeper (*Loxops mana*) at Hakalau Forest, the Ash Meadows Amargosa pupfish (*Cyprinodon nevadensis mionectes*) at Ash Meadows, and the Quino checkerspot butterfly (*Euphydryas editha quino*) at San Diego.

The Refuge System has opportunities to recover species that rely more heavily on its lands than those of other federal agencies

Refuge lands and unacquired lands within approved refuge acquisition boundaries comprise the greatest percentage, relative to other federal lands, of the ranges of 92 listed species. A total of 285 refuges have at least one Refuge System responsibility species (Appendix D). Hakalau Forest and Texas's Lower Rio Grande Valley NWR are tied with the most at 15. Puerto Rico's Cabo Rojo NWR is next with 12. Some notable species not found on any other federal lands include the key deer (*Odocoileus virginianus clavium*), which only occurs on Florida's National Key Deer Refuge; the Gulf Coast jaguarundi (*Puma yagouaroundi cacomitli*), whose range is contained within the refuge lands and acquisition areas of Lower Rio Grande Valley

¹² See the Multi-Resolution Land Characteristics Consortium (MRLC) [National Land Cover Database](#) (NLCD).

¹³ Our analysis included all national wildlife refuges and conservation areas established as of March 11, 2024. It did not include other units managed by the Refuge System such as wetland management districts or wildlife management areas.

Table 1. Top 20 refuges based on number of unique listed species and area of habitat available to acquire

Rank	Region	State	Refuge	Unique Species	Available Area (Acres x 1,000)
1	Pacific	HI	Hakalau Forest	27	15.3
2	4	FL	Everglades to Gulf CA	9	2,310.2
3	8	CA	San Diego	11	12.1
4	4	AL	Cahaba River	11	1.5
5	8	NV	Ash Meadows	12	0.1
6	2	TX	Lower Rio Grande Valley	5	132.5
7	2	NM	Bitter Lake	7	4.2
8	4	TN	Paint Rock River	5	35.6
9	4	FL	National Key Deer Refuge	6	4.6
10	Pacific	GU	Guam	5	3.2
11	4	LA	Bogue Chitto	4	7.8
12	2	AZ	Buenos Aires	4	3.1
13	Caribbean	PR	Culebra	3	33.9
14	5	CT, MA, NH, VT	Silvio O. Conte	2	197.3
15	8	CA	Guadalupe-Nipomo Dunes	3	2.9
16	8	CA	San Joaquin River	3	2.7
17	2	TX	San Bernard	2	70.0
18	4	FL	St. Marks	2	18.4
19	4	FL	Crocodile Lake	3	0.6
20	3	IA, IL, MN, WI	Driftless Area	2	6.8

and Laguna Atascosa NWR; and the Iowa Pleistocene snail (*Discus macclintocki*), which is not known outside the acquisition boundary of Driftless Area NWR in Iowa, Illinois, and Wisconsin.

More than half of all refuges are able to protect additional habitat within their current approved acquisition boundaries

366 refuges have acquisition boundaries that include at least one acre of privately owned, unprotected land in addition to the existing refuge properties. The refuge with the largest area of unacquired land inside its acquisition boundary is Dakota Grassland CA in North and South Dakota, with 7.7 million acres. The removal of ocean acreage effectively eliminated the marine monuments from further consideration in this analysis, despite their vast acquisition areas. For example, virtually 100 percent of the area inside the acquisition boundary of Pacific Remote

Islands Marine National Monument is ocean. Agriculture is also prevalent in refuge acquisition areas. The removal of cultivated cropland reduced the amount of available habitat by more than 50 percent at 55 refuges, including San Joaquin River NWR in California (77 percent cropland). Developed areas are less expansive but still well represented. Removal of areas categorized as developed resulted in a 10 percent or greater reduction in available habitat at 68 refuges. These include San Diego, where developed areas comprise 17 percent of the area available to acquire.

A handful of refuges stand out from the rest based on their exceptional numbers of unique species

We plotted the unique species metric against the area of available habitat to rank acquisition opportunities at refuges based on the combination of these factors (Table 1 above; Figure 1 and Figure 3 in Appendix B). By

a wide margin, Hakalau Forest is the top-ranked refuge. Its position is largely a function of its 27 unique species, which is more than twice that of any other refuge. Conversely, Everglades to Gulf is ranked second mostly due to its very large approved acquisition boundary, though it would not rank nearly as high if it did not also host a substantial number of unique species. We applied a log₁₀ conversion to the available acreage data to account for the wide distribution of values, which also effectively placed greater weight on the species metric in the analysis. As a result, numerous refuges that also have large acquisition boundaries but fewer unique species than Everglades to Gulf are not ranked among the top 20 results. In the 14th spot, Silvio O. Conte NWR in New England is one example of a refuge with a small number of unique species that would likely not appear on this list if not for its large amount of available habitat.

The results based on Refuge System responsibility species echo those for unique species, with some key differences

Refuges were also ranked based on the combination of available habitat area and the number of Refuge System responsibility species (Table 2 below; Figure 2 and Figure 3 in Appendix B). Nine of the top 20 refuges in the results for unique species are also among the top 20 for Refuge System responsibility species. That includes Hakalau Forest and Everglades to Gulf, which rank second and third on this list. However, Lower Rio Grande Valley holds the top spot, having more species than Everglades to Gulf and a substantially larger approved acquisition boundary than Hakalau Forest. A notable addition to this list is Cabo Rojo; its 12 Refuge System responsibility species are enough for it to place eighth despite having little available acreage. Also notable are Dakota Grassland and Flint Hills Legacy CA, ranked seventh and

Table 2. Top 20 refuges based on number of Refuge System responsibility species and area of habitat available to acquire

Rank	Region	State	Refuge	Refuge System Responsibility Species	Available Area (Acres x 1,000)
1	2	TX	Lower Rio Grande Valley	15	132.5
2	Pacific	HI	Hakalau Forest	15	15.3
3	4	FL	Everglades to Gulf CA	8	2,310.2
4	2	TX	Aransas	8	95.0
5	4	FL	National Key Deer Refuge	10	4.6
6	4	FL	Great White Heron	10	3.9
7	6	ND, SD	Dakota Grassland CA	5	1,940.0
8	Caribbean	PR	Cabo Rojo	12	0.3
9	Caribbean	PR	Culebra	6	33.9
10	5	CT, MA, NH, VT	Silvio O. Conte	5	197.3
11	8	CA	San Diego	6	12.1
12	2	TX	San Bernard	5	70.0
13	2	TX	Laguna Atascosa	5	68.5
14	6	KS	Flint Hills Legacy CA	4	1,100.0
15	2	TX	Anahuac	5	38.4
16	Pacific	GU	Guam	6	3.2
17	4	SC	Cape Romain	6	2.4
18	7	AK	Alaska Maritime	3	1,223.7
19	4	FL	St. Vincent	6	1.1
20	4	AL	Bon Secour	5	4.2

15th respectively, which have relatively few species and are on this list by virtue of their large acquisition areas.

The top refuges in less diverse regions may not rank highly at the national level

The Refuge System has a mandate to not only preserve the greatest number of species, but also to maintain native species assemblages in ecosystems throughout the United States. Therefore, we also identified the top results for each of the FWS administrative regions with the understanding that some regions may not be represented without this stratified approach. We chose to treat Hawaii and other Pacific islands separately from Region 1, and Puerto Rico and other Caribbean islands separately from Region 4, due to their stark geographical and ecological differences from the mainland.

As expected, the top refuges in regions with highly diverse tropical or subtropical ecosystems (Regions 2, 4, 8, and the Pacific and Caribbean islands) are also some of the refuges ranked most highly in the nationwide analysis, like Everglades to Gulf, Hakalau Forest, and San Diego. Likely due to the correlation of the species metrics with overall species richness, the nationwide top-20 lists

did not include any refuges from Regions 1 (excluding Pacific islands), 3, or 7. Table 3 below highlights the top-ranked refuges in those regions: Malheur, Willapa, Driftless Area, Upper Mississippi River, and Alaska Maritime.

Some of the refuges ranked highly by our analysis received acquisition funding in recent years, but most did not

Finally, to assess the extent to which recent funding allocations have been aligned with our priorities, we compared the refuges ranked highly by our analysis with those that have received funding during the three most recent fiscal years.

Over the past three years the Refuge System has received \$182.5 million in acquisition funding from LWCF¹⁴ and \$38 million from MBCF,¹⁵ an annual average of \$61 million and \$13 million respectively. During that period, 56 refuges or groups of refuges have been allocated funding for land acquisition through LWCF or MBCF (Appendix C). Only 18 percent of the refuges that received funding since 2023 were prioritized by our analysis, and only 27 percent of the refuges we prioritized received funding. Notable refuges that were not funded include Hakalau Forest and

Table 3. Top-ranked refuges in each FWS region plus Pacific and Caribbean islands

Region	Refuge	
	Unique Species	Refuge System Responsibility Species
1	Malheur (OR)	Willapa (WA)
2	Lower Rio Grande Valley (TX)	Lower Rio Grande Valley (TX)
3	Driftless Area (IA, IL, MN, WI)	Upper Mississippi River (IA, IL, MN, WI)
4	Everglades to Gulf (FL)	Everglades to Gulf (FL)
5	Silvio O. Conte (CT, MA, NH, VT)	Silvio O. Conte (CT, MA, NH, VT)
6	Dakota Grassland (ND, SD)	Dakota Grassland (ND, SD)
7	Alaska Maritime (AK)	Alaska Maritime (AK)
8	San Diego (CA)	San Diego (CA)
Pacific	Hakalau Forest (HI)	Hakalau Forest (HI)
Caribbean	Culebra (PR)	Cabo Rojo (PR)

¹⁴ FWS Budget Justification for fiscal years [2023](#), [2024](#), and [2025](#)

¹⁵ Department of Interior announcement of MBCF projects on refuges for fiscal years [2023](#), [2024](#), and [2025](#)

San Diego, both of which have a high number of unique and Refuge System responsibility species and are the top-ranking refuges in their respective regions.

Top-ranked refuges should be prioritized for acquisition funding

We believe the refuges ranked highly by the analyses in this report, both at the national and regional levels, represent some of the best opportunities for promoting the recovery of listed species through land acquisition. Therefore, while we recognize that decisions about refuge acquisitions are shaped by many factors, we recommend that these refuges be prioritized for allocation of acquisition funding. Refuges that stand apart from the rest, like **Hakalau Forest**, **Everglades to Gulf**, and **Lower Rio Grande Valley**—as well as **Aransas** in Texas and **Cahaba River** in Alabama—should receive particular attention in the allocation process. That is also true of refuges that are ranked highly by both the unique species and Refuge System responsibility species analyses, including **San Diego**, **Silvio O. Conte** and **Culebra** in Puerto Rico. The refuges highlighted by the nationwide analyses are geographically diverse, but do not represent all FWS regions. We do not suggest that all funding should be diverted from low-scoring parts of the Refuge System. While we recommend giving the highest priority to the refuges described above, the next tier of prioritization should be the top-ranked refuges in other regions, like **Driftless Area** and **Upper Mississippi River**.

We encourage FWS to consider our recommendations at all phases of the land acquisition process. Wherever possible, the agency should increase its efforts to identify willing sellers inside the acquisition boundaries of the top-ranked refuges. Refuge managers should submit funding proposals for these refuges as a matter of course, and regional staff should favor them when deciding which proposals to elevate to the national headquarters. We suggest that the metrics we have developed, or similar ones,

be incorporated into the TRACT system with the intention of weighting listed species more heavily than the other priorities in the Strategic Growth Policy. To ensure that the Service's allocation requests are properly focused on listed species recovery, we encourage FWS leadership to consider our results, or those of a similar complementary analysis, when reviewing the TRACT recommendations. Final requests sent to the Department of Interior for eventual inclusion in the President's budget should be based on these inputs and not unduly swayed by non-scientific factors. Additionally, refuges funded through MBCF in recognition of their migratory bird value should be deprioritized for LWCF allocations to avoid giving them two bites at the apple.

Key assumptions in our analysis

The analyses presented in this report, like all analyses, are subject to assumptions that put limits on the conclusions that can be drawn from them. As noted above, the central assumption is that the addition of new lands to the Refuge System will protect larger areas of habitats used by listed species, which will in turn promote their recovery by supporting larger, more resilient populations. However, not all habitats outside of refuges are under threat and not all listed species are imperiled due to lack of habitat. Expansion of refuges will not necessarily save or improve habitats. Even if it does, it may not benefit all species in a manner, or to an extent, that would significantly promote their recovery.

Assuming there is potential to promote listed species recovery through land acquisition, assessing that potential at the refuge level requires fairly accurate data about where listed species occur. We understood that our method of relying on FWS-published documents would almost certainly result in an undercount of listed species on many refuges but assumed our species lists would still be a reasonable basis for comparison. However, in the rankings produced by our analysis, refuges are often separated from

each other by a single species. A true count of listed species would not need to differ substantially from our estimate to produce significantly different results. While we are confident that the standout refuges would be near the top of the rankings regardless of how species are tallied, the lower part of our top-20 lists would likely vary depending on the method.

Relatedly, due to the lack of fine-scale species distribution data, we chose to operate under the assumption that the listed species assigned to each refuge occur throughout its acquisition area. That is surely not true, given the large size and varied landcover of many acquisition areas. We sought to remedy this shortcoming by removing developed and cultivated areas from the analysis. However, it is still likely that many of the remaining habitats offer little value to listed species, which often require a narrow set of habitat conditions and consequently have restricted and discontinuous distributions. A refuge with a large acquisition boundary may offer the greatest overall opportunity to acquire a listed species' scarce habitat type, but the likelihood of acquiring that habitat in any given acquisition may be quite low.

This situation is illustrated by Ash Meadows, ranked highly by our analysis due to its 12 unique listed species. The unique species at Ash Meadows are all dependent on groundwater-fed springs, which are small, discrete features surrounded by desert. It is not reasonable to assume that newly acquired tracts would contain springs—in fact, it is likely that they would not. Therefore, the analysis overstates the potential for land acquisition at Ash Meadows to protect habitat that would contribute significantly to the recovery of listed species.

Opportunities for further study

This report is a useful first step but can be improved upon through additional research. We intend to seek new data to fill some of the gaps described above. The first priority would be to build a more complete and accurate

database of refuge-species pairings, perhaps by collaborating with refuge managers to utilize their inventory and monitoring data. It would also be valuable to gather data concerning listed species' population trends or current conservation status. Such data could be used to develop a third species metric that prioritizes refuges based on the urgency of protecting habitat for their listed species. The analysis could be further strengthened by adding the habitat requirements of each species, which, together with more granular landcover data, could be used to more accurately estimate the amount of available habitat in each refuge's acquisition area. The results of our analysis could also be bolstered by incorporating the recommendations of species recovery plans, particularly in cases where habitat protection or restoration has been identified as a high priority recovery action.

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Appendix A: Notes on methods of analysis

Marine Species

Our initial list of threatened and endangered species occurring on refuges included a number that are fully or predominantly marine. Because ocean areas cannot be added to refuges with LWCF or MBCF acquisition funding, we concluded that this means of refuge expansion has little potential to contribute to the recovery of marine species. Therefore, we removed from further consideration the fully marine species (primarily whales and corals). We retained species that spend most of their lives in the ocean but require on-shore habitats for part of their lifecycle (e.g., seals, sea lions, and sea turtles). We also retained anadromous fish (e.g., salmon), whose riverine spawning habitats may be strongly influenced by surrounding lands.

Refuge System responsibility species

A listed species was determined to be a Refuge System responsibility species if the percentage of its range (as mapped by FWS) that falls within Refuge System lands and approved acquisition boundaries is greater than the percentage within areas administered by any other single federal land management agency (e.g., Bureau of Land Management, U.S. Forest Service, National Park Service, and Department of Defense). Where refuge acquisition areas overlap non-FWS federal lands, the area of overlap was included in the Refuge System total and subtracted from the total for the other federal agency.

Area of habitat available to acquire

We removed from our analysis the areas inside acquisition boundaries that have NLCD land covers that are relatively unlikely to support listed species. These include areas classified as developed (developed open space, developed low intensity, developed medium intensity, and developed high intensity) as well as agricultural areas classified as cultivated cropland. We retained agricultural areas classified as hay or pasture because such areas may provide at least some of the habitat value of natural grasslands.

Some refuges are authorized to acquire all the land within their approved acquisition boundaries. Others may only acquire up to a maximum acreage that is substantially less than the acquisition area. We treated the approved maximum acreage as the area available to acquire unless it was greater than the area calculated by subtracting federally owned land, conserved private land, and low-quality habitats from the total acquisition area. In those cases, the calculated area was used in our analysis.

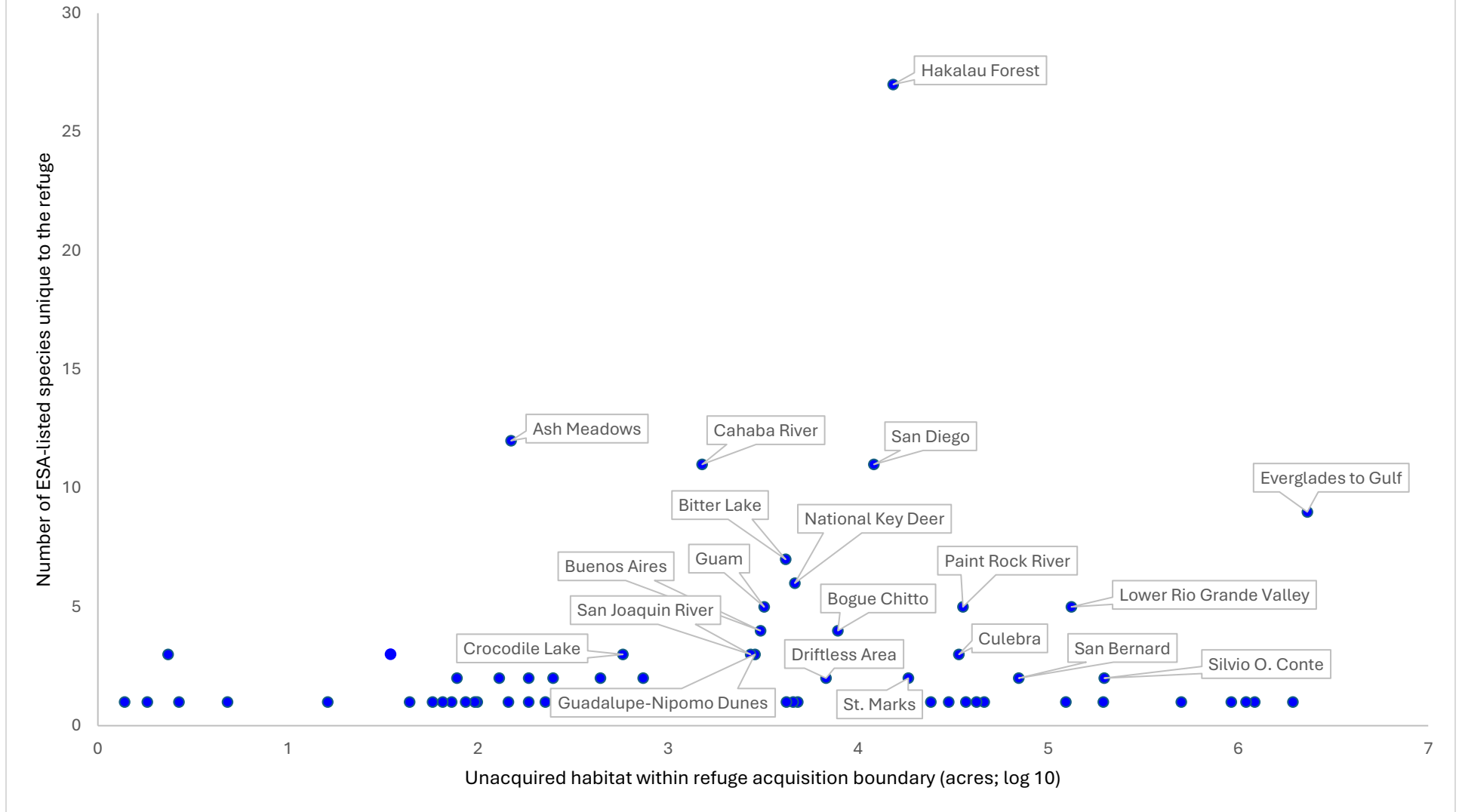
Mountain Bogs National Wildlife Refuge

Mountain Bogs National Wildlife Refuge in North Carolina is the only refuge for which we could not estimate the area of available habitat or determine the number of Refuge System responsibility species. That is because the spatial data for the Refuge's acquisition area are withheld by FWS

due to concerns about the poaching of threatened bog turtles (*Glyptemys muhlenbergii*) for the pet trade. Since the methodology used for all other refuges could not be applied to Mountain Bogs, it was excluded from further analysis. Notably, Mountain Bogs has 10 unique listed species, fifth most of any refuge. If it had been included in our analysis, it would have ranked highly in the results.

Appendix B: Figures

Figure 1. Refuges scored¹ by number of unique listed species² and area of habitat available to acquire³

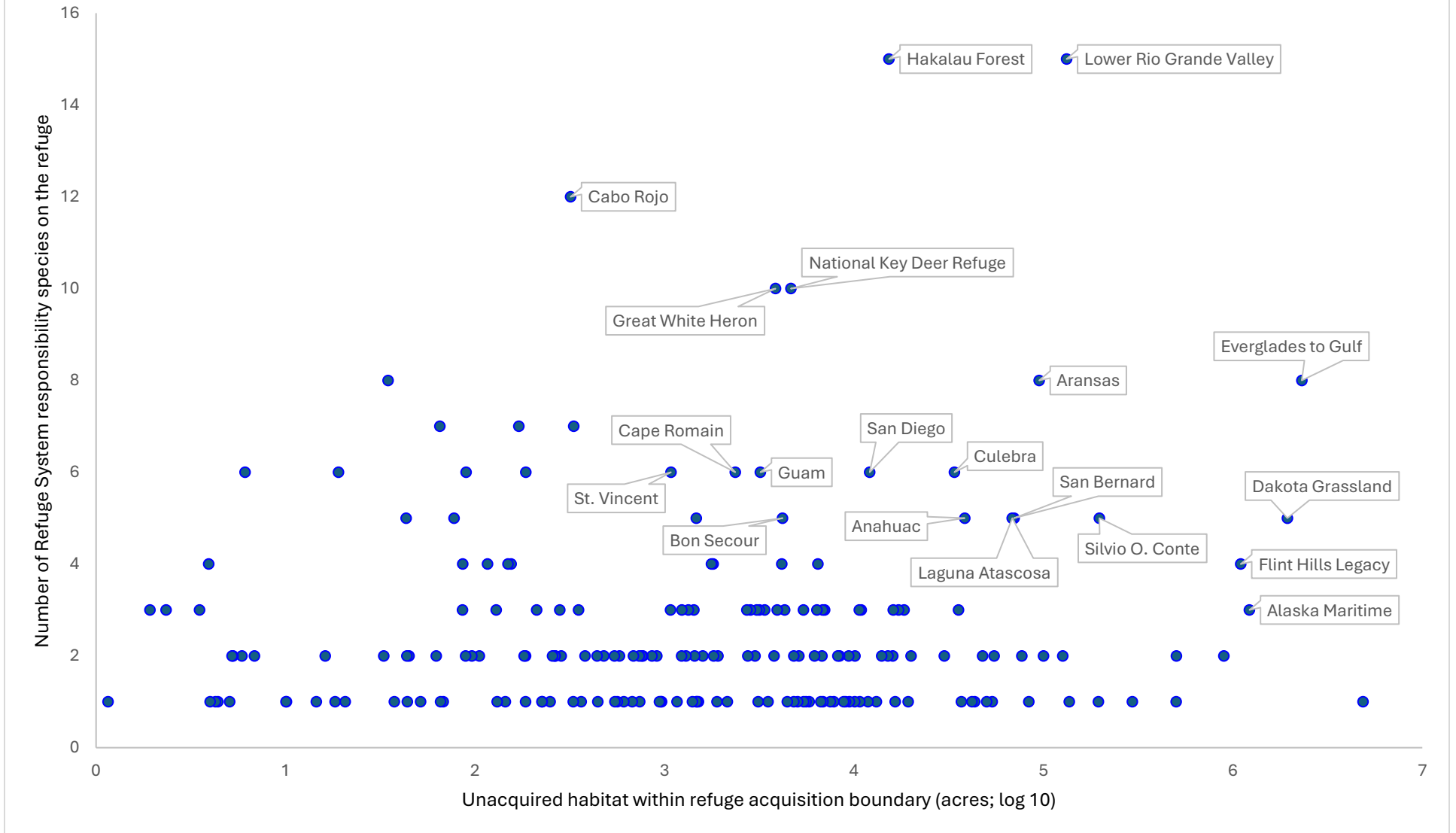


¹ Refuges called out by name are the top 20 results based on the product of the X and Y axis values.

² ESA-listed species that occur on a single refuge only.

³ The area of privately owned, unprotected land inside refuge acquisition boundaries, excluding open ocean and land categorized as developed or cropland.

Figure 2. Refuges scored¹ by number of Refuge System responsibility species² and area of habitat available to acquire³

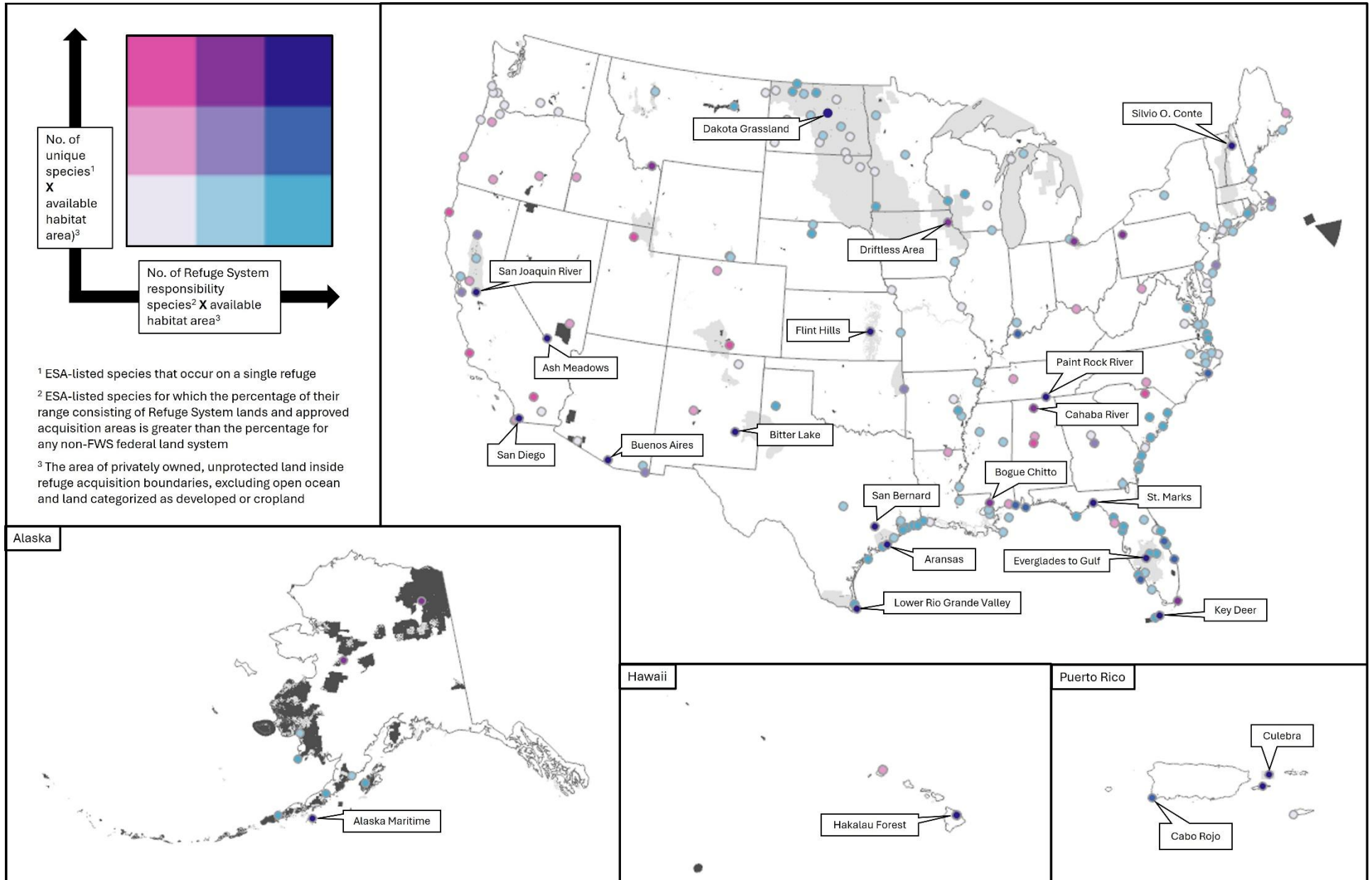


¹ Refuges called out by name are the top 20 results based on the product of the X and Y axis values.

² ESA-listed species for which the percentage of their range consisting of National Wildlife Refuge System lands and approved acquisition areas is greater than the percentage for any non-FWS federal land system.

³ The area of privately owned, unprotected land inside refuge acquisition boundaries, excluding open ocean and land categorized as developed or cropland.

Figure 3. Units of the Refuge System that may offer some of the greatest opportunities to promote listed species recovery through land acquisition



Appendix C: Recent LWCF and MBCF allocations to refuges

LWCF¹ and MBCF² allocations to refuges since fiscal year 2023

Refuge ³	State(s)	Funding Source	FY 2023 (million \$)	FY 2024 (million \$)	FY 2025 (million \$)	Total (million \$)
"Alaska Refuges"	AK	LWCF	2.8			2.8
"Montana CA's"	MT	LWCF	12.0			12.0
Alaska Peninsula	AK	LWCF		2.2		2.2
Attwater Prairie Chicken	TX	LWCF		4.5		4.5
Bear River Watershed CA	ID, MT, UT	LWCF & MBCF	5.2	1.0	3.4	9.6
Big Muddy	MO	LWCF & MBCF	0.4		3.4	3.8
Blackwater	MD	LWCF & MBCF			2.4	2.4
Cache River	AR	LWCF	1.0	0.5	0.5	2.0
Cape Romain	SC	MBCF		5.0		5.0
Cherry Valley	PA	LWCF	3.0	1.0		4.0
Chickasaw	TN	MBCF	0.9			0.9
Clarks River	KY	LWCF			1.0	1.0
Cypress Creek	IL	LWCF		0.5	0.5	1.0
Dakota Grassland	ND, SD	LWCF	1.0	6.0	8.0	15.0
Dakota Tallgrass Prairie	ND, SD	LWCF		2.0	6.0	8.0
Don Edwards San Francisco Bay	CA	LWCF		4.7	4.5	9.2
Everglades Headwaters	FL	LWCF	4.0	10.0	8.0	22.0
Everglades to Gulf	FL	LWCF			2.0	2.0
Felsenthal	AR	LWCF	3.0			3.0
Flint Hills Legacy CA	KS	LWCF		0.5		0.5
Grasslands	CA	LWCF	1.0	1.0	1.0	3.0
Grays Lake	ID	MBCF		6.2		6.2
Great Thicket	CT, MA, ME, NH, NY, RI	LWCF	1.5	1.0	1.5	4.0
Green River	KY	LWCF		1.0		1.0
Hackmatack	IL, WI	LWCF & MBCF	1.1		4.2	5.3
Klamath Marsh	OR	MBCF	4.8			4.8
Laguna Atascosa	TX	LWCF	4.0	2.0		6.0
Lower Hatchie	TN	MBCF	0.5			0.5
Lower Rio Grande	TX	LWCF	3.0	2.0		5.0
Middle Mississippi River	IL, MO	LWCF		0.5	0.5	1.0
Minidoka	ID	LWCF			3.0	3.0
Mountain Bogs	NC	LWCF			1.0	1.0
Neches River	TX	MBCF	1.1			1.1
Nestucca Bay	OR	LWCF		0.5		0.5
Northern Tallgrass Prairie	IA, MN	LWCF	0.5	0.5	0.8	1.8
Okefenokee	FL, GA	LWCF			5.0	5.0
Panther Swamp		MBCF			3.1	3.1
Patoka River	IN	LWCF	2.5	2.0	1.0	5.5
Petit Manan	ME	LWCF			1.0	1.0
Rachel Carson	ME	LWCF	2.0	1.5	1.5	5.0
Rappahannock River Valley	VA	LWCF & MBCF		0.5	2.8	3.3
Rocky Mountain Front	MT	LWCF			1.5	1.5
Sacramento River	CA	LWCF	1.0			1.0
San Joaquin River		LWCF	2.0			2.0
Silvio O. Conte	CT, MA, NH, VT	LWCF	3.0	0.5	2.0	5.5
St. Marks	FL	LWCF	2.0	1.0	1.5	4.5
Stone Lakes	CA	LWCF		3.0	1.0	4.0

Refuge ³	State(s)	Funding Source	FY 2023 (million \$)	FY 2024 (million \$)	FY 2025 (million \$)	Total (million \$)
Trinity River		MBCF			0.8	0.8
Tulare Basin	CA	LWCF	1.0	1.0	1.0	3.0
Turnbull	WA	MBCF	0.7			0.7
Umbagog	ME	MBCF	1.7			1.7
Upper Mississippi River	IA, IL, MN, WI	LWCF		0.5		0.5
Waccamaw	SC	LWCF			1.0	1.0
Willamette Valley	OR	LWCF		3.5	1.8	5.3
Willapa	WA	LWCF	3.5	6.0		9.5
Wyoming Toad CA	WY	LWCF		1.5		1.5
Total			55.3	62.3	64.8	220.5

¹ Land and Water Conservation Fund

² Migratory Bird Conservation Fund

³ Shaded rows indicate refuges that were prioritized by our analysis (top 20 results nationally based on unique species or Refuge System responsibility species, or top regional results based on either species metric)

Appendix D: Data inputs

Table D1. All refuges and conservation areas with at least one acre of habitat available to acquire and at least one unique listed species or one Refuge System responsibility species

Region	State	Refuge	Available acres of habitat on unprotected private land (X 1,000)	Number of unique listed species	Number of Refuge System responsibility species
7	AK	Alaska Maritime NWR	1223.7	1	3
7	AK	Alaska Peninsula NWR	895.8		2
4	NC	Alligator River NWR	13.1		1
2	TX	Anahuac NWR	38.4		5
8	CA	Antioch Dunes NWR	0.0	3	3
6	ND	Appert Lake NWR	0.0		1
2	TX	Aransas NWR	95.0		8
6	CO	Arapaho NWR	0.0	1	
4	FL	Archie Carr NWR	0.3	1	7
7	AK	Arctic NWR	195.2	1	1
6	ND	Arrowwood NWR	0.7		2
8	NV	Ash Meadows NWR	0.1	12	4
2	TX	Attwater Prairie Chicken NWR	30.0	1	2
5	VA	Back Bay NWR	1.8		4
2	TX	Balcones Canyonlands NWR	50.3		1
4	AR	Bald Knob NWR	1.9		1
1	OR	Bandon Marsh NWR	0.1	1	
1	OR	Baskett Slough NWR	0.0	1	
4	LA	Bayou Sauvage NWR	3.8		2
6	ID, MT, UT	Bear River Watershed CA	920.0	1	
7	AK	Becharof NWR	1.9		2
2	TX	Big Boggy NWR	55.0		2
4	LA	Big Branch Marsh NWR	4.8		1
4	AR	Big Lake NWR	0.3		2
3	MN	Big Stone NWR	1.5		1
2	NM	Bitter Lake NWR	4.2	7	4
4	GA	Blackbeard Island NWR	0.2		6
5	RI	Block Island NWR	0.0		2
4	LA	Bogue Chitto NWR	7.8	4	1
4	AL	Bon Secour NWR	4.2	1	5
4	GA	Bond Swamp NWR	11.9	1	1
2	TX	Brazoria NWR	5.1		2
4	LA	Breton NWR	0.4		2
2	AZ	Buenos Aires NWR	3.1	4	3
2	TX	Buffalo Lake NWR	0.2		4
2	AZ	Cabeza Prieta NWR	0.0		1
Caribbean	PR	Cabo Rojo NWR	0.3	1	12
4	AR	Cache River NWR	47.8		2
4	AL	Cahaba River NWR	1.5	11	1
4	FL	Caloosahatchee NWR	0.1		3
4	LA	Cameron Prairie NWR	0.0		2
5	WV	Canaan Valley NWR	4.6	1	
5	NJ	Cape May NWR	6.2		2
4	SC	Cape Romain NWR	2.4		6
4	SC	Carolina Sandhills NWR	46.0	1	
4	LA	Cat Island NWR	19.3		1
4	NC	Cedar Island NWR	1.5	1	5
4	FL	Cedar Keys NWR	0.0	1	2

Region	State	Refuge	Available acres of habitat on unprotected private land (X 1,000)	Number of unique listed species	Number of Refuge System responsibility species
3	OH	Cedar Point NWR	0.0		1
6	MT	Charles M. Russell NWR	15.1		2
4	FL	Chassahowitzka NWR	1.3		3
5	VA	Chincoteague NWR	1.2		2
3	MO	Clarence Cannon NWR	0.2		1
8	CA	Coachella Valley NWR	0.2	2	
3	MN	Crane Meadows NWR	7.5		1
4	FL	Crocodile Lake NWR	0.6	3	2
4	FL	Crystal River NWR	1.4		3
Caribbean	PR	Culebra NWR	33.9	3	6
4	NC	Currituck NWR	4.3		3
6	ND, SD	Dakota Grassland CA	1940.0	1	5
1	ID	Deer Flat NWR	0.0	1	
4	LA	Delta NWR	0.5		2
6	ND	Des Lacs NWR	3.4		3
3	MN	Detroit River InterNWR	5.1		1
3	MI	Don Edwards San Francisco Bay NWR	4.8	1	2
3	IA, IL, MN, WI	Driftless Area NWR	6.8	2	2
5	VA	Eastern Shore of Virginia NWR	1.3		2
5	NJ	Edwin B. Forsythe NWR	8.4	1	2
5	PA	Erie NWR	0.4	2	2
4	SC	Ernest F. Hollings ACE Basin NWR	6.4		3
4	FL	Everglades Headwaters NWR and CA	100.0		2
4	FL	Everglades to Gulf NWR and CA	2310.2	9	8
6	KS	Flint Hills Legacy CA	1100.0	1	4
6	NE	Fort Niobrara NWR	0.3		2
3	MN	Glacial Ridge NWR	3.0		2
4	MS	Grand Bay NWR	10.9	1	3
4	FL	Great White Heron NWR	3.9		10
3	WI	Green Bay NWR	4.5		1
4	KY	Green River NWR	10.1	1	2
8	CA	Guadalupe-Nipomo Dunes NWR	2.9	3	
Pacific	GU	Guam NWR	3.2	5	6
3	IL, WI	Hackmatack NWR	5.8		1
Pacific	HI	Hakalau Forest NWR	15.3	27	15
4	GA	Harris Neck NWR	0.0		3
4	FL	Hobe Sound NWR	0.1	2	5
3	WI	Horicon NWR	0.0		1
8	CA	Humboldt Bay NWR	0.7	2	1
7	AK	Innoko NWR	502.0	1	1
7	AK	Izembek NWR	9.4		2
6	ND	J. Clark Salyer NWR	1.2		3
4	FL	J.N. 'Ding' Darling NWR	0.1	1	7
5	VA	James River NWR	0.1		1
5	RI	John H. Chafee NWR	0.8		2
1	WA	Julia Butler Hansen Refuge for the Columbian White-Tailed Deer	0.6		1
Pacific	HI	Kilauea Point NWR	0.2	1	1
7	AK	Kodiak NWR	126.6		2
2	TX	Laguna Atascosa NWR	68.5		5

Region	State	Refuge	Available acres of habitat on unprotected private land (X 1,000)	Number of unique listed species	Number of Refuge System responsibility species
6	ND	Lake Alice NWR	0.0		1
6	ND	Lake Ilo NWR	0.4		1
6	ND	Lake Nettie NWR	0.2		2
4	FL	Lake Wales Ridge NWR	5.4		3
4	FL	Lake Woodruff NWR	0.3		3
6	ND	Lake Zahl NWR	0.0		2
2	AZ	Leslie Canyon NWR	1.6		2
1	WA	Lewis and Clark NWR	1.0		1
3	MO	Loess Bluffs NWR	0.1		1
6	ND	Long Lake NWR	0.9		2
6	ND	Lostwood NWR	2.8		3
2	TX	Lower Rio Grande Valley NWR	132.5	5	15
4	FL	Lower Suwannee NWR	16.1		3
4	NC	Mackay Island NWR	0.2		1
1	OR	Malheur NWR	2.3	1	
6	ND	Maple River NWR	0.0		1
6	KS	Marais des Cygnes NWR	8.2		2
2	NM	Maxwell NWR	0.3		1
2	TX	McFaddin NWR	10.7		3
1	WA	McNary NWR	0.0		1
6	MT	Medicine Lake NWR	0.6		1
4	FL	Merritt Island NWR	1.8		4
3	MI	Michigan Islands NWR	10.7		1
4	MS	Mississippi Sandhill Crane NWR	1.4	1	1
5	MA	Monomoy NWR	0.1	1	4
5	NY	Montezuma NWR	6.7		1
2	TX	Moody NWR	7.0		3
5	ME	Moosehorn NWR	3.1	1	1
6	WY	Mortenson Lake NWR	0.5		1
5	MA	Nantucket NWR	0.4		3
4	FL	National Key Deer Refuge	4.6	6	10
3	WI	Necedah NWR	14.0		2
5	RI	Ninigret NWR	0.1		4
3	MN	Northern Tallgrass Prairie NWR	77.0		2
5	WV	Ohio River Islands NWR	0.2	1	1
4	FL, GA	Okefenokee NWR	83.7		1
3	OH	Ottawa NWR	36.9	1	1
5	NY	Oyster Bay NWR	0.0		1
2	OK	Ozark Plateau NWR	0.1	1	2
8	NV	Pahrnagat NWR	0.1	1	1
4	TN	Paint Rock River NWR	35.6	5	3
Pacific	HI	Palmyra Atoll NWR/Pacific Remote Island Marine National Monument	0.3		2
5	MA	Parker River NWR	0.0		2
3	IN	Patoka River NWR and Management Area	5.4		1
4	NC	Pea Island NWR	0.0		1
4	NC	Pee Dee NWR	0.4	1	
4	FL	Pelican Island NWR	0.2		7
5	ME	Petit Manan NWR	1.4		2
4	GA	Piedmont NWR	3.5		1
4	SC	Pinckney Island NWR	0.0		4

Region	State	Refuge	Available acres of habitat on unprotected private land (X 1,000)	Number of unique listed species	Number of Refuge System responsibility species
4	FL	Pine Island NWR	0.0		5
5	VA	Plum Tree Island NWR	1.8		2
4	NC	Pocosin Lakes NWR	2.8		2
3	IA	Port Louisa NWR	16.5		1
6	ND	Pretty Rock NWR	0.1		1
5	DE	Prime Hook NWR	0.1		2
5	ME	Rachel Carson NWR	6.5		4
5	VA	Rappahannock River Valley NWR	20.0		2
6	MT	Red Rock Lakes NWR	42.0	1	1
1	WA	Ridgefield NWR	1.5		1
4	NC	Roanoke River NWR	137.1		1
6	MT	Rocky Mountain Front CA	295.0		1
4	LA	Sabine NWR	3.2		3
5	RI	Sachuest Point NWR	0.0		1
8	CA	Sacramento River NWR	8.8	1	1
4	MS	Sam D. Hamilton Noxubee NWR	9.5		1
2	TX	San Bernard NWR	70.0	2	5
2	AZ	San Bernardino NWR	0.1	2	3
8	CA	San Diego Bay NWR	0.0	1	2
8	CA	San Diego NWR	12.1	11	6
8	CA	San Joaquin River NWR	2.7	3	3
8	CA	San Pablo Bay NWR	0.8		2
6	SD	Sand Lake NWR	1.0		1
Caribbean	VI	Sandy Point NWR	0.0		2
6	CO	Sangre de Cristo CA	123.8	1	
4	SC	Santee NWR	6.8		3
2	NM	Sevilleta NWR	1.0	1	
1	OR	Siletz Bay NWR	0.7		1
5	CT, MA, NH, VT	Silvio O. Conte NFWR	197.3	2	5
8	CA	Sonny Bono Salton Sea NWR	0.0		1
4	MS	St. Catherine Creek NWR	5.6		1
4	FL	St. Johns NWR	0.9		1
4	FL	St. Marks NWR	18.4	2	3
4	FL	St. Vincent NWR	1.1		6
5	CT	Stewart B. McKinney NWR	0.3		2
6	ND	Stewart Lake NWR	1.2		1
6	ND	Stoney Slough NWR	0.0		1
5	NJ	Supawna Meadows NWR	0.7		2
8	CA	Sutter NWR	0.1		2
4	NC	Swanquarter NWR	0.2		3
4	MS	Tallahatchie NWR	9.0		1
4	FL	Ten Thousand Islands NWR	0.0		6
4	TN	Tennessee NWR	0.1	1	
2	TX	Texas Point NWR	1.1		3
8	CA	Tijuana Slough NWR	0.0		3
7	AK	Togiak NWR	503.5		2
1	WA	Toppenish NWR	0.1		1
2	TX	Trinity River NWR	53.8		1
5	RI	Trustom Pond NWR	0.9		2
1	OR	Tualatin River NWR	0.4		1
1	OR	Upper Klamath NWR	0.1	1	

Region	State	Refuge	Available acres of habitat on unprotected private land (X 1,000)	Number of unique listed species	Number of Refuge System responsibility species
3	IA, IL, MN, WI	Upper Mississippi River NWFR	17.2		3
4	LA	Upper Ouachita NWR	24.1	1	
6	ND	Upper Souris NWR	0.5		2
6	NE	Valentine NWR	3.9		3
Caribbean	PR	Vieques NWR	0.0	3	8
4	SC	Waccamaw NWR	16.0		2
5	NJ	Wallkill River NWR	6.9		1
4	GA	Wassaw NWR	0.0		6
4	AL	Watercress Darter NWR	0.0	1	
6	SD	Waubay NWR	0.0		2
5	NY	Wertheim NWR	0.1		2
4	AL	Wheeler NWR	0.2	2	2
4	AR	White River NWR	10.1		1
1	WA	Willapa NWR	2.1		1
4	GA	Wolf Island NWR	0.1		6
6	WY	Wyoming Toad CA	43.3		1
7	AK	Yukon Delta NWR	4870.4		1

Table D2. ESA-listed species occurring on refuges and conservation areas according to documents published by FWS

Row Labels Refuge	Total listed species
Agassiz National Wildlife Refuge	1
Gray wolf (<i>Canis lupus</i>)	
Alamosa National Wildlife Refuge	1
Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>)	
Alaska Maritime National Wildlife Refuge	6
Aleutian shield fern (<i>Polystichum aleuticum</i>)	
Northern Sea Otter (<i>Enhydra lutris kenyoni</i>)	
Polar bear (<i>Ursus maritimus</i>)	
Short-tailed albatross (<i>Phoebastria (=Diomedea) albatrus</i>)	
Spectacled eider (<i>Somateria fischeri</i>)	
Steller's Eider (<i>Polysticta stelleri</i>)	
Alaska Peninsula National Wildlife Refuge	2
Northern Sea Otter (<i>Enhydra lutris kenyoni</i>)	
Steller's Eider (<i>Polysticta stelleri</i>)	
Alligator River National Wildlife Refuge	2
Red wolf (<i>Canis rufus</i>)	
Red-cockaded woodpecker (<i>Picoides borealis</i>)	
Amagansett National Wildlife Refuge	3
Piping Plover (<i>Charadrius melodus</i>)	
Roseate tern (<i>Sterna dougallii dougallii</i>)	
rufa red knot (<i>Calidris canutus rufa</i>)	
Anaho Island National Wildlife Refuge	2
Cui-ui (<i>Chasmistes cujus</i>)	
Lahontan cutthroat trout (<i>Oncorhynchus clarkii henshawi</i>)	
Anahuac National Wildlife Refuge	6
Eastern Black rail (<i>Laterallus jamaicensis ssp. jamaicensis</i>)	
Hawksbill sea turtle (<i>Eretmochelys imbricata</i>)	
Kemp's ridley sea turtle (<i>Lepidochelys kempii</i>)	
Leatherback sea turtle (<i>Dermochelys coriacea</i>)	
Loggerhead sea turtle (<i>Caretta caretta</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Ankeny National Wildlife Refuge	1
Streaked Horned lark (<i>Eremophila alpestris strigata</i>)	
Antioch Dunes National Wildlife Refuge	3
Antioch Dunes evening-primrose (<i>Oenothera deltoides ssp. howellii</i>)	
Contra Costa wallflower (<i>Erysimum capitatum var. angustatum</i>)	
Lange's metalmark butterfly (<i>Apodemia mormo langei</i>)	
Appert Lake National Wildlife Refuge	1
Whooping crane (<i>Grus americana</i>)	
Aransas National Wildlife Refuge	11
Attwater's greater prairie-chicken (<i>Tympanuchus cupido attwateri</i>)	
golden-cheeked warbler (<i>Setophaga chrysoparia</i>)	
Green sea turtle (<i>Chelonia mydas</i>)	
Hawksbill sea turtle (<i>Eretmochelys imbricata</i>)	

Kemp's ridley sea turtle (<i>Lepidochelys kempii</i>)	
Leatherback sea turtle (<i>Dermochelys coriacea</i>)	
Loggerhead sea turtle (<i>Caretta caretta</i>)	
Northern Aplomado Falcon (<i>Falco femoralis septentrionalis</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
West Indian Manatee (<i>Trichechus manatus</i>)	
Whooping crane (<i>Grus americana</i>)	
Arapaho National Wildlife Refuge	1
North Park phacelia (<i>Phacelia formosula</i>)	
Archie Carr National Wildlife Refuge	13
American crocodile (<i>Crocodylus acutus</i>)	
Atlantic salt marsh snake (<i>Nerodia clarkii taeniata</i>)	
Eastern indigo snake (<i>Drymarchon couperi</i>)	
Florida scrub-jay (<i>Aphelocoma coerulescens</i>)	
Fragrant prickly-apple (<i>Cereus eriophorus</i> var. <i>fragrans</i>)	
Green sea turtle (<i>Chelonia mydas</i>)	
Hawksbill sea turtle (<i>Eretmochelys imbricata</i>)	
Leatherback sea turtle (<i>Dermochelys coriacea</i>)	
Loggerhead sea turtle (<i>Caretta caretta</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Southeastern beach mouse (<i>Peromyscus polionotus niveiventris</i>)	
West Indian Manatee (<i>Trichechus manatus</i>)	
Wood stork (<i>Mycteria americana</i>)	
Arctic National Wildlife Refuge	3
Polar bear (<i>Ursus maritimus</i>)	
Spectacled eider (<i>Somateria fischeri</i>)	
Steller's Eider (<i>Polysticta stelleri</i>)	
Aroostook National Wildlife Refuge	1
Canada Lynx (<i>Lynx canadensis</i>)	
Arrowwood National Wildlife Refuge	2
Piping Plover (<i>Charadrius melodus</i>)	
Whooping crane (<i>Grus americana</i>)	
Arthur R. Marshall Loxahatchee National Wildlife Refuge	5
Crested caracara (<i>Caracara plancus audubonii</i>)	
Eastern indigo snake (<i>Drymarchon couperi</i>)	
Everglade snail kite (<i>Rostrhamus sociabilis plumbeus</i>)	
Florida panther (<i>Puma (=Felis) concolor coryi</i>)	
Wood stork (<i>Mycteria americana</i>)	
Ash Meadows National Wildlife Refuge	14
Amargosa niterwort (<i>Nitrophila mohavensis</i>)	
Ash Meadows Amargosa pupfish (<i>Cyprinodon nevadensis mionectes</i>)	
Ash Meadows blazingstar (<i>Mentzelia leucophylla</i>)	
Ash Meadows gumplant (<i>Grindelia fraxinipratensis</i>)	
Ash Meadows ivesia (<i>Ivesia kingii</i> var. <i>eremica</i>)	
Ash meadows milk-vetch (<i>Astragalus phoenix</i>)	
Ash Meadows naucorid (<i>Ambrysus amargosus</i>)	
Ash Meadows speckled dace (<i>Rhinichthys osculus nevadensis</i>)	
Ash Meadows sunray (<i>Enceliopsis nudicaulis</i> var. <i>corrugata</i>)	
Devils Hole pupfish (<i>Cyprinodon diabolis</i>)	

Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>)	
Spring-loving centauray (<i>Centaureum namophilum</i>)	
Warm Springs pupfish (<i>Cyprinodon nevadensis pectoralis</i>)	
Yuma Ridgway's rail (<i>Rallus obsoletus yumanensis</i>)	
Assabet River National Wildlife Refuge	1
Northern Long-Eared Bat (<i>Myotis septentrionalis</i>)	
Atchafalaya National Wildlife Refuge	1
Pallid sturgeon (<i>Scaphirhynchus albus</i>)	
Attwater Prairie Chicken National Wildlife Refuge	2
Attwater's greater prairie-chicken (<i>Tympanuchus cupido attwateri</i>)	
Houston toad (<i>Bufo houstonensis</i>)	
Audubon National Wildlife Refuge	3
Pallid sturgeon (<i>Scaphirhynchus albus</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Whooping crane (<i>Grus americana</i>)	
Back Bay National Wildlife Refuge	4
Kemp's ridley sea turtle (<i>Lepidochelys kempii</i>)	
Loggerhead sea turtle (<i>Caretta caretta</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
rufa red knot (<i>Calidris canutus rufa</i>)	
Balcones Canyonlands National Wildlife Refuge	2
golden-cheeked warbler (<i>Setophaga chrysoparia</i>)	
Whooping crane (<i>Grus americana</i>)	
Bald Knob National Wildlife Refuge	1
Piping Plover (<i>Charadrius melodus</i>)	
Bandon Marsh National Wildlife Refuge	4
Marbled Murrelet (<i>Brachyramphus marmoratus</i>)	
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	
Western lily (<i>Lilium occidentale</i>)	
Western Snowy Plover (<i>Charadrius nivosus nivosus</i>)	
Banks Lake National Wildlife Refuge	1
Wood stork (<i>Mycteria americana</i>)	
Baskett Slough National Wildlife Refuge	4
Fender's blue butterfly (<i>Icaricia icarioides fenderi</i>)	
Kincaid's Lupine (<i>Lupinus sulphureus</i> ssp. <i>kincaidii</i>)	
Streaked Horned lark (<i>Eremophila alpestris strigata</i>)	
Willamette daisy (<i>Erigeron decumbens</i>)	
Bayou Sauvage National Wildlife Refuge	3
Gulf sturgeon (<i>Acipenser oxyrinchus (=oxyrhynchus) desotoi</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
West Indian Manatee (<i>Trichechus manatus</i>)	
Bear Butte National Wildlife Refuge	1
Piping Plover (<i>Charadrius melodus</i>)	
Bear River Watershed Conservation Area	3
Canada Lynx (<i>Lynx canadensis</i>)	
Grizzly bear (<i>Ursus arctos horribilis</i>)	
Ute ladies'-tresses (<i>Spiranthes diluvialis</i>)	
Becharof National Wildlife Refuge	2
Northern Sea Otter (<i>Enhydra lutris kenyoni</i>)	

Steller's Eider (<i>Polysticta stelleri</i>)	
Benton Lake National Wildlife Refuge	3
Grizzly bear (<i>Ursus arctos horribilis</i>)	
Pallid sturgeon (<i>Scaphirhynchus albus</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Big Boggy National Wildlife Refuge	3
Northern Aplomado Falcon (<i>Falco femoralis septentrionalis</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
rufa red knot (<i>Calidris canutus rufa</i>)	
Big Branch Marsh National Wildlife Refuge	3
Gulf sturgeon (<i>Acipenser oxyrinchus (=oxyrhynchus) desotoi</i>)	
Red-cockaded woodpecker (<i>Picoides borealis</i>)	
West Indian Manatee (<i>Trichechus manatus</i>)	
Big Lake National Wildlife Refuge	2
Fat pocketbook (<i>Potamilus capax</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Big Muddy National Fish and Wildlife Refuge	4
Decurrent false aster (<i>Boltonia decurrens</i>)	
Gray bat (<i>Myotis grisescens</i>)	
Indiana bat (<i>Myotis sodalis</i>)	
Pallid sturgeon (<i>Scaphirhynchus albus</i>)	
Big Oaks National Wildlife Refuge	1
Indiana bat (<i>Myotis sodalis</i>)	
Big Stone National Wildlife Refuge	1
Dakota Skipper (<i>Hesperia dacotae</i>)	
Bill Williams River National Wildlife Refuge	8
Bonytail (<i>Gila elegans</i>)	
California condor (<i>Gymnogyps californianus</i>)	
Desert pupfish (<i>Cyprinodon macularius</i>)	
Northern Mexican gartersnake (<i>Thamnophis eques megalops</i>)	
Razorback sucker (<i>Xyrauchen texanus</i>)	
Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>)	
Yellow-billed Cuckoo (<i>Coccyzus americanus</i>)	
Yuma Ridgway's rail (<i>Rallus obsoletus yumanensis</i>)	
Billy Frank Jr. Nisqually National Wildlife Refuge	2
Marbled Murrelet (<i>Brachyramphus marmoratus</i>)	
Oregon spotted frog (<i>Rana pretiosa</i>)	
Bitter Creek National Wildlife Refuge	3
California condor (<i>Gymnogyps californianus</i>)	
Kern mallow (<i>Eremalche kernensis</i>)	
San Joaquin kit fox (<i>Vulpes macrotis mutica</i>)	
Bitter Lake National Wildlife Refuge	7
Koster's springsnail (<i>Juturnia kosteri</i>)	
Noel's Amphipod (<i>Gammarus desperatus</i>)	
Pecos (=puzzle, =paradox) sunflower (<i>Helianthus paradoxus</i>)	
Pecos assiminea snail (<i>Assiminea pecos</i>)	
Pecos bluntnose shiner (<i>Notropis simus pecosensis</i>)	
Pecos gambusia (<i>Gambusia nobilis</i>)	
Roswell springsnail (<i>Pyrgulopsis roswellensis</i>)	

Blackbeard Island National Wildlife Refuge	8
Leatherback sea turtle (<i>Dermochelys coriacea</i>)	
Loggerhead sea turtle (<i>Caretta caretta</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
rufa red knot (<i>Calidris canutus rufa</i>)	
Shortnose sturgeon (<i>Acipenser brevirostrum</i>)	
West Indian Manatee (<i>Trichechus manatus</i>)	
Wood stork (<i>Mycteria americana</i>)	
Blackfoot Valley Conservation Area	4
Bull Trout (<i>Salvelinus confluentus</i>)	
Canada Lynx (<i>Lynx canadensis</i>)	
Gray wolf (<i>Canis lupus</i>)	
Grizzly bear (<i>Ursus arctos horribilis</i>)	
Block Island National Wildlife Refuge	3
Piping Plover (<i>Charadrius melodus</i>)	
Sandplain gerardia (<i>Agalinis acuta</i>)	
Seabeach amaranth (<i>Amaranthus pumilus</i>)	
Blue Ridge National Wildlife Refuge	1
California condor (<i>Gymnogyps californianus</i>)	
Bogue Chitto National Wildlife Refuge	5
Gopher tortoise (<i>Gopherus polyphemus</i>)	
Gulf sturgeon (<i>Acipenser oxyrinchus (=oxyrhyinchus) desotoi</i>)	
Inflated heelsplitter (<i>Potamilus inflatus</i>)	
Louisiana quillwort (<i>Isoetes louisianensis</i>)	
Ringed map turtle (<i>Graptemys oculifera</i>)	
Bon Secour National Wildlife Refuge	6
Alabama beach mouse (<i>Peromyscus polionotus ammobates</i>)	
Eastern indigo snake (<i>Drymarchon couperi</i>)	
Green sea turtle (<i>Chelonia mydas</i>)	
Kemp's ridley sea turtle (<i>Lepidochelys kempii</i>)	
Loggerhead sea turtle (<i>Caretta caretta</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Bond Swamp National Wildlife Refuge	4
Fringed campion (<i>Silene polypetala</i>)	
Relict trillium (<i>Trillium reliquum</i>)	
Shortnose sturgeon (<i>Acipenser brevirostrum</i>)	
Wood stork (<i>Mycteria americana</i>)	
Bosque del Apache National Wildlife Refuge	4
New Mexico meadow jumping mouse (<i>Zapus hudsonius luteus</i>)	
Rio Grande Silvery Minnow (<i>Hybognathus amarus</i>)	
Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>)	
Yellow-billed Cuckoo (<i>Coccyzus americanus</i>)	
Bowdoin National Wildlife Refuge	1
Piping Plover (<i>Charadrius melodus</i>)	
Brazoria National Wildlife Refuge	2
Eastern Black rail (<i>Laterallus jamaicensis ssp. jamaicensis</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Breton National Wildlife Refuge	3
Kemp's ridley sea turtle (<i>Lepidochelys kempii</i>)	

Leatherback sea turtle (<i>Dermochelys coriacea</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Browns Park National Wildlife Refuge	3
Colorado pikeminnow (<i>Ptychocheilus lucius</i>)	
Ute ladies'-tresses (<i>Spiranthes diluvialis</i>)	
Yellow-billed Cuckoo (<i>Coccyzus americanus</i>)	
Buenos Aires National Wildlife Refuge	8
Bartram's stonecrop (<i>Graptopetalum bartramii</i>)	
Cactus ferruginous pygmy-owl (<i>Glaucidium brasilianum cactorum</i>)	
Chiricahua leopard frog (<i>Rana chiricahuensis</i>)	
Kearney's blue-star (<i>Amsonia kearneyana</i>)	
Masked bobwhite (quail) (<i>Colinus virginianus ridgwayi</i>)	
Northern Mexican gartersnake (<i>Thamnophis eques megalops</i>)	
Pima pineapple cactus (<i>Coryphantha scheeri</i> var. <i>robustispina</i>)	
Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>)	
Buffalo Lake National Wildlife Refuge	4
Piping Plover (<i>Charadrius melodus</i>)	
Whooping crane (<i>Grus americana</i>)	
Cabeza Prieta National Wildlife Refuge	2
Cactus ferruginous pygmy-owl (<i>Glaucidium brasilianum cactorum</i>)	
Sonoran pronghorn (<i>Antilocapra americana sonoriensis</i>)	
Cabo Rojo National Wildlife Refuge	12
Beautiful goetzea (<i>Goetzea elegans</i>)	
Cobana negra (<i>Stahlia monosperma</i>)	
Green sea turtle (<i>Chelonia mydas</i>)	
Hawksbill sea turtle (<i>Eretmochelys imbricata</i>)	
Higo Chumbo (<i>Harrisia portoricensis</i>)	
Leatherback sea turtle (<i>Dermochelys coriacea</i>)	
No common name (<i>Aristida chaseae</i>)	
No common name (<i>Eugenia woodburyana</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
West Indian Manatee (<i>Trichechus manatus</i>)	
Yellow-shouldered blackbird (<i>Agelaius xanthomus</i>)	
Cache River National Wildlife Refuge	4
Fat pocketbook (<i>Potamilus capax</i>)	
Pink mucket (pearlymussel) (<i>Lampsilis abrupta</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Pondberry (<i>Lindera melissifolia</i>)	
Cahaba River National Wildlife Refuge	13
Blue shiner (<i>Cyprinella caerulea</i>)	
Cahaba shiner (<i>Notropis cahabae</i>)	
Cylindrical lioplax (snail) (<i>Lioplax cyclostomaformis</i>)	
Finelined pocketbook (<i>Hamiota attilis</i>)	
Flat pebblesnail (<i>Lepyrium showalteri</i>)	
Gentian pinkroot (<i>Spigelia gentianoides</i>)	
Georgia rockcress (<i>Arabis georgiana</i>)	
Goldline darter (<i>Percina aurolineata</i>)	
Gray bat (<i>Myotis grisescens</i>)	
Mohr's Barbara's buttons (<i>Marshallia mohrii</i>)	

Round rocksnail (<i>Leptoxis ampla</i>)	
Triangular Kidneyshell (<i>Ptychobranchus greenii</i>)	
Wood stork (<i>Mycteria americana</i>)	
Caloosahatchee National Wildlife Refuge	7
American crocodile (<i>Crocodylus acutus</i>)	
Gulf sturgeon (<i>Acipenser oxyrinchus (=oxyrhynchus) desotoi</i>)	
Hawksbill sea turtle (<i>Eretmochelys imbricata</i>)	
Kemp's ridley sea turtle (<i>Lepidochelys kempii</i>)	
Leatherback sea turtle (<i>Dermochelys coriacea</i>)	
West Indian Manatee (<i>Trichechus manatus</i>)	
Wood stork (<i>Mycteria americana</i>)	
Cameron Prairie National Wildlife Refuge	2
Piping Plover (<i>Charadrius melodus</i>)	
West Indian Manatee (<i>Trichechus manatus</i>)	
Canaan Valley National Wildlife Refuge	2
Cheat Mountain salamander (<i>Plethodon nettingi</i>)	
Indiana bat (<i>Myotis sodalis</i>)	
Canfield Lake National Wildlife Refuge	1
Whooping crane (<i>Grus americana</i>)	
Cape May National Wildlife Refuge	5
Northern Long-Eared Bat (<i>Myotis septentrionalis</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
rufa red knot (<i>Calidris canutus rufa</i>)	
Seabeach amaranth (<i>Amaranthus pumilus</i>)	
Swamp pink (<i>Helonias bullata</i>)	
Cape Meares National Wildlife Refuge	1
Marbled Murrelet (<i>Brachyramphus marmoratus</i>)	
Cape Romain National Wildlife Refuge	8
Leatherback sea turtle (<i>Dermochelys coriacea</i>)	
Loggerhead sea turtle (<i>Caretta caretta</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Red wolf (<i>Canis rufus</i>)	
rufa red knot (<i>Calidris canutus rufa</i>)	
Shortnose sturgeon (<i>Acipenser brevirostrum</i>)	
West Indian Manatee (<i>Trichechus manatus</i>)	
Wood stork (<i>Mycteria americana</i>)	
Carolina Sandhills National Wildlife Refuge	3
Carolina heelsplitter (<i>Lasmigona decorata</i>)	
Red-cockaded woodpecker (<i>Picoides borealis</i>)	
Wood stork (<i>Mycteria americana</i>)	
Castle Rock National Wildlife Refuge	2
Tidewater goby (<i>Eucyclogobius newberryi</i>)	
Yellow-billed Cuckoo (<i>Coccyzus americanus</i>)	
Cat Island National Wildlife Refuge	2
Fat pocketbook (<i>Potamilus capax</i>)	
Pallid sturgeon (<i>Scaphirhynchus albus</i>)	
Cedar Island National Wildlife Refuge	8
Eastern Black rail (<i>Laterallus jamaicensis ssp. jamaicensis</i>)	
Piping Plover (<i>Charadrius melodus</i>)	

Red-cockaded woodpecker (<i>Picoides borealis</i>)	
Roseate tern (<i>Sterna dougallii dougallii</i>)	
Rough-leaved loosestrife (<i>Lysimachia asperulaefolia</i>)	
Seabeach amaranth (<i>Amaranthus pumilus</i>)	
Shortnose sturgeon (<i>Acipenser brevirostrum</i>)	
West Indian Manatee (<i>Trichechus manatus</i>)	
Cedar Keys National Wildlife Refuge	6
American chaffseed (<i>Schwalbea americana</i>)	
Florida scrub-jay (<i>Aphelocoma coerulescens</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Red-cockaded woodpecker (<i>Picoides borealis</i>)	
West Indian Manatee (<i>Trichechus manatus</i>)	
Wood stork (<i>Mycteria americana</i>)	
Cedar Point National Wildlife Refuge	1
Eastern prairie fringed orchid (<i>Platanthera leucophaea</i>)	
Charles M. Russell National Wildlife Refuge	4
Black-footed ferret (<i>Mustela nigripes</i>)	
Pallid sturgeon (<i>Scaphirhynchus albus</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Whooping crane (<i>Grus americana</i>)	
Chase Lake National Wildlife Refuge	1
Whooping crane (<i>Grus americana</i>)	
Chassahowitzka National Wildlife Refuge	5
Eastern indigo snake (<i>Drymarchon couperi</i>)	
Green sea turtle (<i>Chelonia mydas</i>)	
Kemp's ridley sea turtle (<i>Lepidochelys kempii</i>)	
West Indian Manatee (<i>Trichechus manatus</i>)	
Wood stork (<i>Mycteria americana</i>)	
Chautauqua National Wildlife Refuge	2
Decurrent false aster (<i>Boltonia decurrens</i>)	
Indiana bat (<i>Myotis sodalis</i>)	
Cherry Valley National Wildlife Refuge	2
bog turtle (<i>Glyptemys muhlenbergii</i>)	
Northeastern bulrush (<i>Scirpus ancistrochaetus</i>)	
Chickasaw National Wildlife Refuge	1
Pallid sturgeon (<i>Scaphirhynchus albus</i>)	
Chincoteague National Wildlife Refuge	3
Piping Plover (<i>Charadrius melodus</i>)	
rufa red knot (<i>Calidris canutus rufa</i>)	
Seabeach amaranth (<i>Amaranthus pumilus</i>)	
Choctaw National Wildlife Refuge	1
Wood stork (<i>Mycteria americana</i>)	
Cibola National Wildlife Refuge	7
Bonytail (<i>Gila elegans</i>)	
Desert pupfish (<i>Cyprinodon macularius</i>)	
Desert tortoise (<i>Gopherus agassizii</i>)	
Razorback sucker (<i>Xyrauchen texanus</i>)	
Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>)	
Yellow-billed Cuckoo (<i>Coccyzus americanus</i>)	

Yuma Ridgway's rail (<i>Rallus obsoletus yumanensis</i>)	
Clarence Cannon National Wildlife Refuge	4
Gray bat (<i>Myotis grisescens</i>)	
Indiana bat (<i>Myotis sodalis</i>)	
Pallid sturgeon (<i>Scaphirhynchus albus</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Clarks River National Wildlife Refuge	1
Indiana bat (<i>Myotis sodalis</i>)	
Clear Lake National Wildlife Refuge	2
Lost River sucker (<i>Deltistes luxatus</i>)	
Shortnose Sucker (<i>Chasmistes brevirostris</i>)	
Coachella Valley National Wildlife Refuge	2
Coachella Valley fringe-toed lizard (<i>Uma inornata</i>)	
Coachella Valley milk-vetch (<i>Astragalus lentiginosus</i> var. <i>coachellae</i>)	
Columbia National Wildlife Refuge	1
Bull Trout (<i>Salvelinus confluentus</i>)	
Colusa National Wildlife Refuge	2
Giant garter snake (<i>Thamnophis gigas</i>)	
Palmate-bracted bird's beak (<i>Cordylanthus palmatus</i>)	
Conboy Lake National Wildlife Refuge	1
Oregon spotted frog (<i>Rana pretiosa</i>)	
Conscience Point National Wildlife Refuge	1
rufa red knot (<i>Calidris canutus rufa</i>)	
Cottonwood Lake National Wildlife Refuge	2
Piping Plover (<i>Charadrius melodus</i>)	
Whooping crane (<i>Grus americana</i>)	
Crane Meadows National Wildlife Refuge	2
Gray wolf (<i>Canis lupus</i>)	
Whooping crane (<i>Grus americana</i>)	
Crescent Lake National Wildlife Refuge	1
Blowout penstemon (<i>Penstemon haydenii</i>)	
Crocodile Lake National Wildlife Refuge	7
American crocodile (<i>Crocodylus acutus</i>)	
Eastern indigo snake (<i>Drymarchon couperi</i>)	
Key Largo cotton mouse (<i>Peromyscus gossypinus allapaticola</i>)	
Key Largo woodrat (<i>Neotoma floridana smalli</i>)	
Schaus swallowtail butterfly (<i>Heraclides aristodemus ponceanus</i>)	
Stock Island tree snail (<i>Orthalicus reses</i> (not incl. <i>nesodryas</i>))	
Wood stork (<i>Mycteria americana</i>)	
Cross Island National Wildlife Refuge	1
Roseate tern (<i>Sterna dougallii dougallii</i>)	
Crystal River National Wildlife Refuge	4
Kemp's ridley sea turtle (<i>Lepidochelys kempii</i>)	
Loggerhead sea turtle (<i>Caretta caretta</i>)	
West Indian Manatee (<i>Trichechus manatus</i>)	
Wood stork (<i>Mycteria americana</i>)	
Culebra National Wildlife Refuge	7
Green sea turtle (<i>Chelonia mydas</i>)	
Hawksbill sea turtle (<i>Eretmochelys imbricata</i>)	

Leatherback sea turtle (<i>Dermochelys coriacea</i>)	
No common name (<i>Leptocereus grantianus</i>)	
Roseate tern (<i>Sterna dougallii dougallii</i>)	
West Indian Manatee (<i>Trichechus manatus</i>)	
Wheeler's peperomia (<i>Peperomia wheeleri</i>)	
Currituck National Wildlife Refuge	4
Leatherback sea turtle (<i>Dermochelys coriacea</i>)	
Loggerhead sea turtle (<i>Caretta caretta</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
West Indian Manatee (<i>Trichechus manatus</i>)	
Cypress Creek National Wildlife Refuge	1
Indiana bat (<i>Myotis sodalis</i>)	
Dahomey National Wildlife Refuge	2
Pondberry (<i>Lindera melissifolia</i>)	
Wood stork (<i>Mycteria americana</i>)	
Dakota Grassland Conservation Area	8
Dakota Skipper (<i>Hesperia dacotae</i>)	
Gray wolf (<i>Canis lupus</i>)	
Pallid sturgeon (<i>Scaphirhynchus albus</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Scaleshell mussel (<i>Leptodea leptodon</i>)	
Topeka shiner (<i>Notropis topeka (=tristis)</i>)	
Western prairie fringed Orchid (<i>Platanthera praeclara</i>)	
Whooping crane (<i>Grus americana</i>)	
D'Arbonne National Wildlife Refuge	1
Red-cockaded woodpecker (<i>Picoides borealis</i>)	
Deer Flat National Wildlife Refuge	2
Slickspot peppergrass (<i>Lepidium papilliferum</i>)	
Yellow-billed Cuckoo (<i>Coccyzus americanus</i>)	
Delevan National Wildlife Refuge	3
Giant garter snake (<i>Thamnophis gigas</i>)	
Palmate-bracted bird's beak (<i>Cordylanthus palmatus</i>)	
Vernal pool tadpole shrimp (<i>Lepidurus packardii</i>)	
Delta National Wildlife Refuge	5
Gulf sturgeon (<i>Acipenser oxyrinchus (=oxyrhynchus) desotoi</i>)	
Kemp's ridley sea turtle (<i>Lepidochelys kempii</i>)	
Leatherback sea turtle (<i>Dermochelys coriacea</i>)	
Pallid sturgeon (<i>Scaphirhynchus albus</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Des Lacs National Wildlife Refuge	3
Dakota Skipper (<i>Hesperia dacotae</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Whooping crane (<i>Grus americana</i>)	
Desecheo National Wildlife Refuge	3
Green sea turtle (<i>Chelonia mydas</i>)	
Hawksbill sea turtle (<i>Eretmochelys imbricata</i>)	
Higo Chumbo (<i>Harrisia portoricensis</i>)	
Desert National Wildlife Refuge	2
Desert tortoise (<i>Gopherus agassizii</i>)	

Pahrump poolfish (<i>Empetrichthys latos</i>)	
DeSoto National Wildlife Refuge	2
Pallid sturgeon (<i>Scaphirhynchus albus</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Detroit River International Wildlife Refuge	1
Northern riffleshell (<i>Epioblasma rangiana</i>)	
Don Edwards San Francisco Bay National Wildlife Refuge	7
California least tern (<i>Sternula antillarum browni</i>)	
California tiger Salamander (<i>Ambystoma californiense</i>)	
Contra Costa goldfields (<i>Lasthenia conjugens</i>)	
Light-footed Ridgway's rail (<i>Rallus obsoletus levipes</i>)	
Salt marsh harvest mouse (<i>Reithrodontomys raviventris</i>)	
Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>)	
Western Snowy Plover (<i>Charadrius nivosus nivosus</i>)	
Driftless Area National Wildlife Refuge	2
Iowa Pleistocene snail (<i>Discus macclintocki</i>)	
Northern wild monkshood (<i>Aconitum noveboracense</i>)	
East Cove National Wildlife Refuge	2
Kemp's ridley sea turtle (<i>Lepidochelys kempii</i>)	
Loggerhead sea turtle (<i>Caretta caretta</i>)	
Eastern Neck National Wildlife Refuge	1
Northeastern beach tiger beetle (<i>Ellipsoptera puritana</i>)	
Eastern Shore of Virginia National Wildlife Refuge	2
Northeastern beach tiger beetle (<i>Habroscelimorpha dorsalis dorsalis</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Edwin B. Forsythe National Wildlife Refuge	5
Knieskern's Beaked-rush (<i>Rhynchospora knieskernii</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
rufa red knot (<i>Calidris canutus rufa</i>)	
Seabeach amaranth (<i>Amaranthus pumilus</i>)	
Swamp pink (<i>Helonias bullata</i>)	
Egmont Key National Wildlife Refuge	6
Green sea turtle (<i>Chelonia mydas</i>)	
Kemp's ridley sea turtle (<i>Lepidochelys kempii</i>)	
Loggerhead sea turtle (<i>Caretta caretta</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
West Indian Manatee (<i>Trichechus manatus</i>)	
Wood stork (<i>Mycteria americana</i>)	
Elizabeth A. Morton National Wildlife Refuge	3
Piping Plover (<i>Charadrius melodus</i>)	
Roseate tern (<i>Sterna dougallii dougallii</i>)	
rufa red knot (<i>Calidris canutus rufa</i>)	
Ellicott Slough National Wildlife Refuge	3
California red-legged frog (<i>Rana draytonii</i>)	
California tiger Salamander (<i>Ambystoma californiense</i>)	
Santa Cruz long-toed salamander (<i>Ambystoma macrodactylum croceum</i>)	
Erie National Wildlife Refuge	5
Clubshell (<i>Pleurobema clava</i>)	
Longsolid (<i>Fusconaia subrotunda</i>)	

Northern riffleshell (*Epioblasma rangiana*)

Rayed Bean (*Villosa fabalis*)

Snuffbox mussel (*Epioblasma triquetra*)

Ernest F. Hollings ACE Basin National Wildlife Refuge

4

Eastern Black rail (*Laterallus jamaicensis* ssp. *jamaicensis*)

Shortnose sturgeon (*Acipenser brevirostrum*)

West Indian Manatee (*Trichechus manatus*)

Wood stork (*Mycteria americana*)

Eufaula National Wildlife Refuge

1

Wood stork (*Mycteria americana*)

Everglades Headwaters National Wildlife Refuge and Conservation Area

11

Crested caracara (*Caracara plancus audubonii*)

Eastern indigo snake (*Drymarchon couperi*)

Everglade snail kite (*Rostrhamus sociabilis plumbeus*)

Florida grasshopper sparrow (*Ammodramus savannarum floridanus*)

Florida panther (*Puma (=Felis) concolor coryi*)

Florida scrub-jay (*Aphelocoma coerulescens*)

Florida ziziphus (*Ziziphus celata*)

Pygmy fringe-tree (*Chionanthus pygmaeus*)

Red-cockaded woodpecker (*Picoides borealis*)

Sand skink (*Neoseps reynoldsi*)

Wood stork (*Mycteria americana*)

Everglades to Gulf National Wildlife Refuge and Conservation Area

40

American crocodile (*Crocodylus acutus*)

Avon Park harebells (*Crotalaria avonensis*)

Beautiful pawpaw (*Deeringothamnus pulchellus*)

blue-tailed mole skink (*Eumeces egregius lividus*)

Britton's beargrass (*Nolina brittoniana*)

Carter's mustard (*Warea carteri*)

Crested caracara (*Caracara plancus audubonii*)

Eastern Black rail (*Laterallus jamaicensis* ssp. *jamaicensis*)

Eastern indigo snake (*Drymarchon couperi*)

Everglade snail kite (*Rostrhamus sociabilis plumbeus*)

Florida bonamia (*Bonamia grandiflora*)

Florida bonneted bat (*Eumops floridanus*)

Florida grasshopper sparrow (*Ammodramus savannarum floridanus*)

Florida leafwing Butterfly (*Anaea troglodyta floridalis*)

Florida panther (*Puma (=Felis) concolor coryi*)

Florida perforate cladonia (*Cladonia perforata*)

Florida prairie-clover (*Dalea carthagenensis floridana*)

Florida scrub-jay (*Aphelocoma coerulescens*)

Florida ziziphus (*Ziziphus celata*)

Garrett's mint (*Dicerandra christmanii*)

Gopher tortoise (*Gopherus polyphemus*)

Highlands scrub hypericum (*Hypericum cumulicola*)

Lewton's polygala (*Polygala lewtonii*)

Papery whitlow-wort (*Paronychia chartacea*)

Pigeon wings (*Clitoria fragrans*)

Pygmy fringe-tree (*Chionanthus pygmaeus*)

Red-cockaded woodpecker (<i>Picoides borealis</i>)	
Sand skink (<i>Neoseps reynoldsi</i>)	
Sandlace (<i>Polygonella myriophylla</i>)	
Scrub blazingstar (<i>Liatris ohlingerae</i>)	
Scrub buckwheat (<i>Eriogonum longifolium</i> var. <i>gnaphalifolium</i>)	
Scrub lupine (<i>Lupinus aridorum</i>)	
Scrub mint (<i>Dicerandra frutescens</i>)	
Scrub plum (<i>Prunus geniculata</i>)	
Short-leaved rosemary (<i>Conradina brevifolia</i>)	
Snakeroot (<i>Eryngium cuneifolium</i>)	
West Indian Manatee (<i>Trichechus manatus</i>)	
Wide-leaf warea (<i>Warea amplexifolia</i>)	
Wireweed (<i>Polygonella basiramia</i>)	
Wood stork (<i>Mycteria americana</i>)	
Fallon National Wildlife Refuge	2
Cui-ui (<i>Chasmistes cujus</i>)	
Lahontan cutthroat trout (<i>Oncorhynchus clarkii henshawi</i>)	
Featherstone National Wildlife Refuge	2
Sensitive joint-vetch (<i>Aeschynomene virginica</i>)	
Small whorled pogonia (<i>Isotria medeoloides</i>)	
Felsenthal National Wildlife Refuge	1
Red-cockaded woodpecker (<i>Picoides borealis</i>)	
Fern Cave National Wildlife Refuge	8
American hart's-tongue fern (<i>Asplenium scolopendrium</i> var. <i>americanum</i>)	
Finerayed pigtoe (<i>Fusconaia cuneolus</i>)	
Gray bat (<i>Myotis grisescens</i>)	
Indiana bat (<i>Myotis sodalis</i>)	
Pink mucket (pearlymussel) (<i>Lampsilis abrupta</i>)	
Rabbitsfoot (<i>Quadrula cylindrica cylindrica</i>)	
Shiny pigtoe (<i>Fusconaia cor</i>)	
Snuffbox mussel (<i>Epioblasma triquetra</i>)	
Fish Springs National Wildlife Refuge	2
Ute ladies'-tresses (<i>Spiranthes diluvialis</i>)	
Yellow-billed Cuckoo (<i>Coccyzus americanus</i>)	
Fisherman Island National Wildlife Refuge	4
Kemp's ridley sea turtle (<i>Lepidochelys kempii</i>)	
Northeastern beach tiger beetle (<i>Habroscelimorpha dorsalis dorsalis</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
rufa red knot (<i>Calidris canutus rufa</i>)	
Flattery Rocks National Wildlife Refuge	1
Marbled Murrelet (<i>Brachyramphus marmoratus</i>)	
Flint Hills Legacy Conservation Area	6
American burying beetle (<i>Nicrophorus americanus</i>)	
Neosho madtom (<i>Noturus placidus</i>)	
Neosho Mucket (<i>Lampsilis rafinesqueana</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Rabbitsfoot (<i>Quadrula cylindrica cylindrica</i>)	
Topeka shiner (<i>Notropis topeka</i> (=tristis))	
Flint Hills National Wildlife Refuge	2

Mead's milkweed (<i>Asclepias meadii</i>)	
Neosho madtom (<i>Noturus placidus</i>)	
Florence Lake National Wildlife Refuge	1
Whooping crane (<i>Grus americana</i>)	
Florida Panther National Wildlife Refuge	6
Crested caracara (<i>Caracara plancus audubonii</i>)	
Eastern indigo snake (<i>Drymarchon couperi</i>)	
Everglade snail kite (<i>Rostrhamus sociabilis plumbeus</i>)	
Florida panther (<i>Puma (=Felis) concolor coryi</i>)	
Red-cockaded woodpecker (<i>Picoides borealis</i>)	
Wood stork (<i>Mycteria americana</i>)	
Fort Niobrara National Wildlife Refuge	2
Piping Plover (<i>Charadrius melodus</i>)	
Whooping crane (<i>Grus americana</i>)	
Glacial Ridge National Wildlife Refuge	2
Dakota Skipper (<i>Hesperia dacotae</i>)	
Western prairie fringed Orchid (<i>Platanthera praeclara</i>)	
Grand Bay National Wildlife Refuge	6
Alabama red-bellied turtle (<i>Pseudemys alabamensis</i>)	
Gopher tortoise (<i>Gopherus polyphemus</i>)	
Mississippi sandhill crane (<i>Antigone canadensis pulla</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
West Indian Manatee (<i>Trichechus manatus</i>)	
Yellow-blotched map turtle (<i>Graptemys flavimaculata</i>)	
Gravel Island National Wildlife Refuge	1
Hine's emerald dragonfly (<i>Somatochlora hineana</i>)	
Grays Harbor National Wildlife Refuge	1
Bull Trout (<i>Salvelinus confluentus</i>)	
Great Bay National Wildlife Refuge	1
Karner blue butterfly (<i>Lycaeides melissa samuelis</i>)	
Great Dismal Swamp National Wildlife Refuge	1
Red-cockaded woodpecker (<i>Picoides borealis</i>)	
Great Swamp National Wildlife Refuge	3
bog turtle (<i>Glyptemys muhlenbergii</i>)	
Indiana bat (<i>Myotis sodalis</i>)	
Northern Long-Eared Bat (<i>Myotis septentrionalis</i>)	
Great Thicket National Wildlife Refuge	1
bog turtle (<i>Glyptemys muhlenbergii</i>)	
Great White Heron National Wildlife Refuge	18
American crocodile (<i>Crocodylus acutus</i>)	
Eastern indigo snake (<i>Drymarchon couperi</i>)	
Garber's spurge (<i>Chamaesyce garberi</i>)	
Green sea turtle (<i>Chelonia mydas</i>)	
Hawksbill sea turtle (<i>Eretmochelys imbricata</i>)	
Kemp's ridley sea turtle (<i>Lepidochelys kempii</i>)	
Key deer (<i>Odocoileus virginianus clavium</i>)	
Key tree cactus (<i>Pilosocereus robinii</i>)	
Leatherback sea turtle (<i>Dermochelys coriacea</i>)	
Loggerhead sea turtle (<i>Caretta caretta</i>)	

Lower Keys marsh rabbit (<i>Sylvilagus palustris hefneri</i>)	
Miami Blue Butterfly (<i>Cyclargus thomasi bethunebakeri</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
rufa red knot (<i>Calidris canutus rufa</i>)	
Silver rice rat (<i>Oryzomys palustris natator</i>)	
Stock Island tree snail (<i>Orthalicus reses</i> (not incl. <i>nesodryas</i>))	
West Indian Manatee (<i>Trichechus manatus</i>)	
Wood stork (<i>Mycteria americana</i>)	
Green Bay National Wildlife Refuge	1
Dwarf lake iris (<i>Iris lacustris</i>)	
Green Cay National Wildlife Refuge	1
St. Croix ground lizard (<i>Ameiva polops</i>)	
Green River National Wildlife Refuge	9
Fat pocketbook (<i>Potamilus capax</i>)	
Indiana bat (<i>Myotis sodalis</i>)	
Longsolid (<i>Fusconaia subrotunda</i>)	
Northern Long-Eared Bat (<i>Myotis septentrionalis</i>)	
Pink mucket (pearlymussel) (<i>Lampsilis abrupta</i>)	
Purple Cat's paw (=Purple Cat's paw pearlymussel) (<i>Epioblasma obliquata</i>)	
Ring pink (mussel) (<i>Obovaria retusa</i>)	
Sheepnose Mussel (<i>Plethobasus cyphus</i>)	
Snuffbox mussel (<i>Epioblasma triquetra</i>)	
Guadalupe-Nipomo Dunes National Wildlife Refuge	6
California least tern (<i>Sternula antillarum browni</i>)	
California red-legged frog (<i>Rana draytonii</i>)	
Gambel's watercress (<i>Rorippa gambellii</i>)	
La Graciosa thistle (<i>Cirsium loncholepis</i>)	
Marsh Sandwort (<i>Arenaria paludicola</i>)	
Western Snowy Plover (<i>Charadrius nivosus nivosus</i>)	
Guam National Wildlife Refuge	6
Green sea turtle (<i>Chelonia mydas</i>)	
Guam kingfisher (<i>Todiramphus cinnamominus</i>)	
Hawksbill sea turtle (<i>Eretmochelys imbricata</i>)	
Hayun lagu (=Guam), Tronkon guafi (Rota) (<i>Serianthes nelsonii</i>)	
Mariana common moorhen (pulattat) (<i>Gallinula chloropus guami</i>)	
Mariana swiftlet (<i>Aerodramus bartschi</i>)	
Hackmatack National Wildlife Refuge	1
Whooping crane (<i>Grus americana</i>)	
Hagerman National Wildlife Refuge	2
Piping Plover (<i>Charadrius melodus</i>)	
Whooping crane (<i>Grus americana</i>)	
Hakalau Forest National Wildlife Refuge	27
`Aiea (<i>Nothocestrum breviflorum</i>)	
`aku`aku (<i>Cyanea platyphylla</i>)	
`Anunu (<i>Sicyos macrophyllus</i>)	
`Oha wai (<i>Clermontia lindseyana</i>)	
`Oha wai (<i>Clermontia peleana</i>)	
`Oha wai (<i>Clermontia pyricularia</i>)	
`Ohe (<i>Joinvillea ascendens ascendens</i>)	

akiapolaau (*Hemignathus wilsoni*)
 Ha`iwale (*Cyrtandra tintinnabula*)
 Haha (*Cyanea hamatiflora* ssp. *carlsonii*)
 Haha (*Cyanea shipmanii*)
 Haha (*Cyanea stictophylla*)
 Hawaii akepa (*Loxops coccineus*)
 Hawaii creeper (*Loxops mana*)
 Hawaiian coot (*Fulica alai*)
 Hawaiian duck (*Anas wyvilliana*)
 Hawaiian goose (*Branta (=Nesochen) sandvicensis*)
 Hawaiian hoary bat (*Lasiurus cinereus semotus*)
 Hawaiian picture-wing fly (*Drosophila heteroneura*)
 Kiponapona (*Phyllostegia racemosa*)
 Makou (*Ranunculus hawaiiensis*)
 No common name (*Asplenium peruvianum* var. *insulare*)
 No common name (*Phyllostegia floribunda*)
 No common name (*Phyllostegia velutina*)
 No common name (*Silene hawaiiensis*)
 Pacific Hawaiian damselfly (*Megalagrion pacificum*)
 Po`e (*Portulaca sclerocarpa*)

Hamden Slough National Wildlife Refuge **1**

Gray wolf (*Canis lupus*)

Hanalei National Wildlife Refuge **4**

Hawaiian common gallinule (*Gallinula galeata sandvicensis*)
 Hawaiian coot (*Fulica alai*)
 Hawaiian duck (*Anas wyvilliana*)
 Hawaiian stilt (*Himantopus mexicanus knudseni*)

Handy Brake National Wildlife Refuge **1**

Pink mucket (pearlymussel) (*Lampsilis abrupta*)

Harris Neck National Wildlife Refuge **4**

rufa red knot (*Calidris canutus rufa*)
 Shortnose sturgeon (*Acipenser brevirostrum*)
 West Indian Manatee (*Trichechus manatus*)
 Wood stork (*Mycteria americana*)

Hart Mountain National Antelope Refuge **1**

Yellow-billed Cuckoo (*Coccyzus americanus*)

Havas National Wildlife Refuge **5**

Bonytail (*Gila elegans*)
 Razorback sucker (*Xyrauchen texanus*)
 Southwestern willow flycatcher (*Empidonax traillii extimus*)
 Yellow-billed Cuckoo (*Coccyzus americanus*)
 Yuma Ridgway's rail (*Rallus obsoletus yumanensis*)

Hawaiian Islands National Wildlife Refuge/Papahānaumokuākea Marine National Monument **13**

Hawksbill sea turtle (*Eretmochelys imbricata*)
 Kamanomano (*Cenchrus agrimonioides*)
 Laysan duck (*Anas laysanensis*)
 Laysan finch (*Telespiza cantans*)
 Laysan finch (*Telespiza ultima*)

Leatherback sea turtle (<i>Dermochelys coriacea</i>)	
loulou (<i>Pritchardia remota</i>)	
Nihoa millerbird (<i>Acrocephalus familiaris kingi</i>)	
No common name (<i>Cyperus pennatiformis</i>)	
No common name (<i>Schiedea verticillata</i>)	
Ohai (<i>Sesbania tomentosa</i>)	
Popolo (<i>Solanum nelsonii</i>)	
Short-tailed albatross (<i>Phoebastria (=Diomedea) albatrus</i>)	
Hobart Lake National Wildlife Refuge	1
Whooping crane (<i>Grus americana</i>)	
Hobe Sound National Wildlife Refuge	10
Eastern indigo snake (<i>Drymarchon couperi</i>)	
Florida scrub-jay (<i>Aphelocoma coerulescens</i>)	
Four-petal pawpaw (<i>Asimina tetramera</i>)	
Green sea turtle (<i>Chelonia mydas</i>)	
Hawksbill sea turtle (<i>Eretmochelys imbricata</i>)	
Lakela's mint (<i>Dicerandra immaculata</i>)	
Leatherback sea turtle (<i>Dermochelys coriacea</i>)	
Loggerhead sea turtle (<i>Caretta caretta</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Wood stork (<i>Mycteria americana</i>)	
Holla Bend National Wildlife Refuge	1
American burying beetle (<i>Nicrophorus americanus</i>)	
Holt Collier National Wildlife Refuge	1
Pondberry (<i>Lindera melissifolia</i>)	
Hopper Mountain National Wildlife Refuge	1
California condor (<i>Gymnogyps californianus</i>)	
Horicon National Wildlife Refuge	1
Whooping crane (<i>Grus americana</i>)	
Howland Island National Wildlife Refuge/Pacific Remote Islands Marine National Monument	2
Green sea turtle (<i>Chelonia mydas</i>)	
Hawksbill sea turtle (<i>Eretmochelys imbricata</i>)	
Huleia National Wildlife Refuge	4
Hawaiian common gallinule (<i>Gallinula galeata sandvicensis</i>)	
Hawaiian coot (<i>Fulica alai</i>)	
Hawaiian duck (<i>Anas wyvilliana</i>)	
Hawaiian stilt (<i>Himantopus mexicanus knudseni</i>)	
Humboldt Bay National Wildlife Refuge	4
Beach layia (<i>Layia carnosa</i>)	
Menzies' wallflower (<i>Erysimum menziesii</i>)	
Tidewater goby (<i>Eucyclogobius newberryi</i>)	
Yellow-billed Cuckoo (<i>Coccyzus americanus</i>)	
Huron National Wildlife Refuge	1
Pitcher's thistle (<i>Cirsium pitcheri</i>)	
Hutchinson Lake National Wildlife Refuge	2
Piping Plover (<i>Charadrius melodus</i>)	
Whooping crane (<i>Grus americana</i>)	
Hutton Lake National Wildlife Refuge	1

Preble's meadow jumping mouse (<i>Zapus hudsonius preblei</i>)	
Imperial National Wildlife Refuge	7
Bonytail (<i>Gila elegans</i>)	
Desert pupfish (<i>Cyprinodon macularius</i>)	
Desert tortoise (<i>Gopherus agassizii</i>)	
Razorback sucker (<i>Xyrauchen texanus</i>)	
Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>)	
Yellow-billed Cuckoo (<i>Coccyzus americanus</i>)	
Yuma Ridgway's rail (<i>Rallus obsoletus yumanensis</i>)	
Innoko National Wildlife Refuge	1
Wood Bison (<i>Bison bison athabascaae</i>)	
Island Bay National Wildlife Refuge	8
American crocodile (<i>Crocodylus acutus</i>)	
Gulf sturgeon (<i>Acipenser oxyrinchus (=oxyrhynchus) desotoi</i>)	
Hawksbill sea turtle (<i>Eretmochelys imbricata</i>)	
Leatherback sea turtle (<i>Dermochelys coriacea</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
rufa red knot (<i>Calidris canutus rufa</i>)	
West Indian Manatee (<i>Trichechus manatus</i>)	
Wood stork (<i>Mycteria americana</i>)	
Izembek National Wildlife Refuge	2
Northern Sea Otter (<i>Enhydra lutris kenyoni</i>)	
Steller's Eider (<i>Polysticta stelleri</i>)	
J. Clark Salyer National Wildlife Refuge	4
Dakota Skipper (<i>Hesperia dacotae</i>)	
Gray wolf (<i>Canis lupus</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Whooping crane (<i>Grus americana</i>)	
J.N. 'Ding' Darling National Wildlife Refuge	11
Aboriginal Prickly-apple (<i>Harrisia (=Cereus) aboriginum (=gracilis)</i>)	
American crocodile (<i>Crocodylus acutus</i>)	
Eastern indigo snake (<i>Drymarchon couperi</i>)	
Gulf sturgeon (<i>Acipenser oxyrinchus (=oxyrhynchus) desotoi</i>)	
Hawksbill sea turtle (<i>Eretmochelys imbricata</i>)	
Kemp's ridley sea turtle (<i>Lepidochelys kempii</i>)	
Leatherback sea turtle (<i>Dermochelys coriacea</i>)	
Loggerhead sea turtle (<i>Caretta caretta</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
rufa red knot (<i>Calidris canutus rufa</i>)	
West Indian Manatee (<i>Trichechus manatus</i>)	
James Campbell National Wildlife Refuge	5
Hawaiian common gallinule (<i>Gallinula galeata sandvicensis</i>)	
Hawaiian coot (<i>Fulica alai</i>)	
Hawaiian duck (<i>Anas wyvilliana</i>)	
Hawaiian stilt (<i>Himantopus mexicanus knudseni</i>)	
Ohai (<i>Sesbania tomentosa</i>)	
James River National Wildlife Refuge	1
Sensitive joint-vetch (<i>Aeschynomene virginica</i>)	
Jarvis Island National Wildlife Refuge/Pacific Remote Island Marine National Monument	2

Green sea turtle (<i>Chelonia mydas</i>)	
Hawksbill sea turtle (<i>Eretmochelys imbricata</i>)	
John H. Chafee National Wildlife Refuge	2
Piping Plover (<i>Charadrius melodus</i>)	
Roseate tern (<i>Sterna dougallii dougallii</i>)	
Johnson Lake National Wildlife Refuge	4
Dakota Skipper (<i>Hesperia dacotae</i>)	
Gray wolf (<i>Canis lupus</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Whooping crane (<i>Grus americana</i>)	
Johnston Island National Wildlife Refuge/Pacific Remote Island Marine National Monument	2
Green sea turtle (<i>Chelonia mydas</i>)	
Hawksbill sea turtle (<i>Eretmochelys imbricata</i>)	
Julia Butler Hansen Refuge for the Columbian White-Tailed Deer	3
Bull Trout (<i>Salvelinus confluentus</i>)	
Columbian white-tailed deer (<i>Odocoileus virginianus leucurus</i>)	
Streaked Horned lark (<i>Eremophila alpestris strigata</i>)	
Kakahai'a National Wildlife Refuge	2
Hawaiian coot (<i>Fulica alai</i>)	
Hawaiian stilt (<i>Himantopus mexicanus knudseni</i>)	
Kealia Pond National Wildlife Refuge	3
Hawaiian coot (<i>Fulica alai</i>)	
Hawaiian duck (<i>Anas wyvilliana</i>)	
Hawaiian stilt (<i>Himantopus mexicanus knudseni</i>)	
Kern National Wildlife Refuge	4
Blunt-nosed leopard lizard (<i>Gambelia silus</i>)	
Buena Vista Lake ornate Shrew (<i>Sorex ornatus relictus</i>)	
San Joaquin kit fox (<i>Vulpes macrotis mutica</i>)	
Tipton kangaroo rat (<i>Dipodomys nitratooides nitratooides</i>)	
Key Cave National Wildlife Refuge	5
Alabama cavefish (<i>Speoplatyrhinus poulsoni</i>)	
Gray bat (<i>Myotis grisescens</i>)	
Pink mucket (pearlymussel) (<i>Lampsilis abrupta</i>)	
Rough pigtoe (<i>Pleurobema plenum</i>)	
White wartyback (pearlymussel) (<i>Plethobasus cicatricosus</i>)	
Key West National Wildlife Refuge	10
Cape Sable Thoroughwort (<i>Chromolaena frustrata</i>)	
Garber's spurge (<i>Chamaesyce garberi</i>)	
Hawksbill sea turtle (<i>Eretmochelys imbricata</i>)	
Leatherback sea turtle (<i>Dermochelys coriacea</i>)	
Miami Blue Butterfly (<i>Cyclargus thomasi bethunebakeri</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Roseate tern (<i>Sterna dougallii dougallii</i>)	
rufa red knot (<i>Calidris canutus rufa</i>)	
West Indian Manatee (<i>Trichechus manatus</i>)	
Wood stork (<i>Mycteria americana</i>)	
Kilauea Point National Wildlife Refuge	4
Newell's shearwater (<i>Puffinus newelli</i>)	
Green sea turtle (<i>Chelonia mydas</i>)	

Hawaiian goose (<i>Branta (=Nesochen) sandvicensis</i>)	
Hawaiian hoary bat (<i>Lasiurus cinereus semotus</i>)	
Kingman Reef National Wildlife Refuge/Pacific Remote Island Marine National Monument	2
Green sea turtle (<i>Chelonia mydas</i>)	
Hawksbill sea turtle (<i>Eretmochelys imbricata</i>)	
Kirwin National Wildlife Refuge	2
Piping Plover (<i>Charadrius melodus</i>)	
Whooping crane (<i>Grus americana</i>)	
Klamath Marsh National Wildlife Refuge	1
Oregon spotted frog (<i>Rana pretiosa</i>)	
Kodiak National Wildlife Refuge	2
Northern Sea Otter (<i>Enhydra lutris kenyoni</i>)	
Steller's Eider (<i>Polysticta stelleri</i>)	
Kofa National Wildlife Refuge	1
Sonoran pronghorn (<i>Antilocapra americana sonoriensis</i>)	
Kootenai National Wildlife Refuge	1
Bull Trout (<i>Salvelinus confluentus</i>)	
Lacreek National Wildlife Refuge	2
Piping Plover (<i>Charadrius melodus</i>)	
Whooping crane (<i>Grus americana</i>)	
Laguna Atascosa National Wildlife Refuge	7
Gulf Coast jaguarundi (<i>Puma yagouaroundi cacomitli</i>)	
Hawksbill sea turtle (<i>Eretmochelys imbricata</i>)	
Kemp's ridley sea turtle (<i>Lepidochelys kempii</i>)	
Leatherback sea turtle (<i>Dermochelys coriacea</i>)	
Northern Aplomado Falcon (<i>Falco femoralis septentrionalis</i>)	
Ocelot (<i>Leopardus (=Felis) pardalis</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Laguna Cartagena National Wildlife Refuge	8
Cobana negra (<i>Stahlia monosperma</i>)	
No common name (<i>Aristida chaseae</i>)	
No common name (<i>Eugenia woodburyana</i>)	
No common name (<i>Lyonia truncata</i> var. <i>proctorii</i>)	
No common name (<i>Vernonia proctorii</i>)	
Pelos del diablo (<i>Aristida portoricensis</i>)	
Puerto Rican nightjar (<i>Antrostomus noctitherus</i>)	
Yellow-shouldered blackbird (<i>Agelaius xanthomus</i>)	
Lake Alice National Wildlife Refuge	1
Piping Plover (<i>Charadrius melodus</i>)	
Lake Andes National Wildlife Refuge	1
Whooping crane (<i>Grus americana</i>)	
Lake George National Wildlife Refuge	2
Piping Plover (<i>Charadrius melodus</i>)	
Whooping crane (<i>Grus americana</i>)	
Lake Ilo National Wildlife Refuge	1
Piping Plover (<i>Charadrius melodus</i>)	
Lake Nettie National Wildlife Refuge	2
Piping Plover (<i>Charadrius melodus</i>)	
Whooping crane (<i>Grus americana</i>)	

Lake Ophelia National Wildlife Refuge

Pallid sturgeon (*Scaphirhynchus albus*)

Lake Otis National Wildlife Refuge**1**

Whooping crane (*Grus americana*)

Lake Wales Ridge National Wildlife Refuge**23**

blue-tailed mole skink (*Eumeces egregius lividus*)

Britton's beargrass (*Nolina brittoniana*)

Carter's mustard (*Warea carteri*)

Crested caracara (*Caracara plancus audubonii*)

Eastern indigo snake (*Drymarchon couperi*)

Florida bonamia (*Bonamia grandiflora*)

Florida perforate cladonia (*Cladonia perforata*)

Florida scrub-jay (*Aphelocoma coerulescens*)

Florida ziziphus (*Ziziphus celata*)

Garrett's mint (*Dicerandra christmanii*)

Highlands scrub hypericum (*Hypericum cumulicola*)

Lewton's polygala (*Polygala lewtonii*)

Papery whitlow-wort (*Paronychia chartacea*)

Pigeon wings (*Clitoria fragrans*)

Pygmy fringe-tree (*Chionanthus pygmaeus*)

Sand skink (*Neoseps reynoldsi*)

Sandlace (*Polygonella myriophylla*)

Scrub blazingstar (*Liatris ohlingerae*)

Scrub buckwheat (*Eriogonum longifolium* var. *gnaphalifolium*)

Scrub lupine (*Lupinus aridorum*)

Scrub plum (*Prunus geniculata*)

Wireweed (*Polygonella basiramia*)

Wood stork (*Mycteria americana*)

Lake Woodruff National Wildlife Refuge**6**

Eastern indigo snake (*Drymarchon couperi*)

Everglade snail kite (*Rostrhamus sociabilis plumbeus*)

Mississippi sandhill crane (*Antigone canadensis pulla*)

West Indian Manatee (*Trichechus manatus*)

Whooping crane (*Grus americana*)

Wood stork (*Mycteria americana*)

Lake Zahl National Wildlife Refuge**2**

Piping Plover (*Charadrius melodus*)

Whooping crane (*Grus americana*)

Lamesteer National Wildlife Refuge**1**

Whooping crane (*Grus americana*)

Leslie Canyon National Wildlife Refuge**7**

Chiricahua leopard frog (*Rana chiricahuensis*)

Gila topminnow (incl. Yaqui) (*Poeciliopsis occidentalis*)

Huachuca water-umbel (*Lilaeopsis schaffneriana* var. *recurva*)

rufa red knot (*Calidris canutus rufa*)

San Bernardino springsnail (*Pyrgulopsis bernardina*)

Yaqui chub (*Gila purpurea*)

Yellow-billed Cuckoo (*Coccyzus americanus*)

Lewis and Clark National Wildlife Refuge**3**

Bull Trout (<i>Salvelinus confluentus</i>)	
Columbian white-tailed deer (<i>Odocoileus virginianus leucurus</i>)	
Streaked Horned lark (<i>Eremophila alpestris strigata</i>)	
Little Goose National Wildlife Refuge	1
Gray wolf (<i>Canis lupus</i>)	
Little Pend Oreille National Wildlife Refuge	3
Canada Lynx (<i>Lynx canadensis</i>)	
Grizzly bear (<i>Ursus arctos horribilis</i>)	
Yellow-billed Cuckoo (<i>Coccyzus americanus</i>)	
Little River National Wildlife Refuge	1
Ouachita rock pocketbook (<i>Arcidens wheeleri</i>)	
Loess Bluffs National Wildlife Refuge	1
Piping Plover (<i>Charadrius melodus</i>)	
Logan Cave National Wildlife Refuge	3
Benton County cave crayfish (<i>Cambarus aculabrum</i>)	
Gray bat (<i>Myotis grisescens</i>)	
Ozark cavefish (<i>Amblyopsis rosae</i>)	
Long Lake National Wildlife Refuge	2
Piping Plover (<i>Charadrius melodus</i>)	
Whooping crane (<i>Grus americana</i>)	
Lords Lake National Wildlife Refuge	1
Whooping crane (<i>Grus americana</i>)	
Lost Trail National Wildlife Refuge	3
Grizzly bear (<i>Ursus arctos horribilis</i>)	
North American wolverine (<i>Gulo gulo luscus</i>)	
Spalding's Catchfly (<i>Silene spaldingii</i>)	
Lostwood National Wildlife Refuge	3
Dakota Skipper (<i>Hesperia dacotae</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Whooping crane (<i>Grus americana</i>)	
Lower Hatchie National Wildlife Refuge	1
Pallid sturgeon (<i>Scaphirhynchus albus</i>)	
Lower Rio Grande Valley National Wildlife Refuge	17
Ashy dogweed (<i>Thymophylla tephroleuca</i>)	
Cactus ferruginous pygmy-owl (<i>Glaucidium brasilianum cactorum</i>)	
Green sea turtle (<i>Chelonia mydas</i>)	
Gulf Coast jaguarundi (<i>Puma yagouaroundi cacomitli</i>)	
Hawksbill sea turtle (<i>Eretmochelys imbricata</i>)	
Kemp's ridley sea turtle (<i>Lepidochelys kempii</i>)	
Leatherback sea turtle (<i>Dermochelys coriacea</i>)	
Loggerhead sea turtle (<i>Caretta caretta</i>)	
Northern Aplomado Falcon (<i>Falco femoralis septentrionalis</i>)	
Ocelot (<i>Leopardus (=Felis) pardalis</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
South Texas ambrosia (<i>Ambrosia cheiranthifolia</i>)	
Star cactus (<i>Astrophytum asterias</i>)	
Texas ayenia (<i>Ayenia limitaris</i>)	
Walker's manioc (<i>Manihot walkerae</i>)	
West Indian Manatee (<i>Trichechus manatus</i>)	

Zapata bladderpod (<i>Physaria thamnophila</i>)	
Lower Suwannee National Wildlife Refuge	6
Eastern indigo snake (<i>Drymarchon couperi</i>)	
Florida salt marsh vole (<i>Microtus pennsylvanicus dukecampbelli</i>)	
Gulf sturgeon (<i>Acipenser oxyrinchus (=oxyrhynchus) desotoi</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
West Indian Manatee (<i>Trichechus manatus</i>)	
Wood stork (<i>Mycteria americana</i>)	
Mackay Island National Wildlife Refuge	1
West Indian Manatee (<i>Trichechus manatus</i>)	
Maple River National Wildlife Refuge	1
Western prairie fringed Orchid (<i>Platanthera praeclara</i>)	
Marais des Cygnes National Wildlife Refuge	3
Mead's milkweed (<i>Asclepias meadii</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Whooping crane (<i>Grus americana</i>)	
Marianas Trench National Wildlife Refuge and Marine National Monument	4
Green sea turtle (<i>Chelonia mydas</i>)	
Hawksbill sea turtle (<i>Eretmochelys imbricata</i>)	
Leatherback sea turtle (<i>Dermochelys coriacea</i>)	
Olive ridley sea turtle (<i>Lepidochelys olivacea</i>)	
Massasoit National Wildlife Refuge	2
Loggerhead sea turtle (<i>Caretta caretta</i>)	
Plymouth Redbelly Turtle = Plymouth Redbelly Cooter (<i>Pseudemys rubriventris bangsi</i>)	
Matlacha Pass National Wildlife Refuge	14
American crocodile (<i>Crocodylus acutus</i>)	
Eastern indigo snake (<i>Drymarchon couperi</i>)	
Green sea turtle (<i>Chelonia mydas</i>)	
Gulf sturgeon (<i>Acipenser oxyrinchus (=oxyrhynchus) desotoi</i>)	
Hawksbill sea turtle (<i>Eretmochelys imbricata</i>)	
Kemp's ridley sea turtle (<i>Lepidochelys kempii</i>)	
Leatherback sea turtle (<i>Dermochelys coriacea</i>)	
Loggerhead sea turtle (<i>Caretta caretta</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Plymouth Redbelly Turtle = Plymouth Redbelly Cooter (<i>Pseudemys rubriventris bangsi</i>)	
Roseate tern (<i>Sterna dougallii dougallii</i>)	
rufa red knot (<i>Calidris canutus rufa</i>)	
West Indian Manatee (<i>Trichechus manatus</i>)	
Wood stork (<i>Mycteria americana</i>)	
Mattamuskeet National Wildlife Refuge	1
Wood stork (<i>Mycteria americana</i>)	
Maxwell National Wildlife Refuge	2
Red wolf (<i>Canis rufus</i>)	
Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>)	
McFaddin National Wildlife Refuge	5
Eastern Black rail (<i>Laterallus jamaicensis ssp. jamaicensis</i>)	
Hawksbill sea turtle (<i>Eretmochelys imbricata</i>)	
Kemp's ridley sea turtle (<i>Lepidochelys kempii</i>)	
Leatherback sea turtle (<i>Dermochelys coriacea</i>)	

Yellow-billed Cuckoo (<i>Coccyzus americanus</i>)	
McNary National Wildlife Refuge	2
Bull Trout (<i>Salvelinus confluentus</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Medicine Lake National Wildlife Refuge	1
Piping Plover (<i>Charadrius melodus</i>)	
Merced National Wildlife Refuge	8
California tiger Salamander (<i>Ambystoma californiense</i>)	
Colusa grass (<i>Neostapfia colusana</i>)	
Conservancy fairy shrimp (<i>Branchinecta conservatio</i>)	
Least Bell's vireo (<i>Vireo bellii pusillus</i>)	
San Joaquin kit fox (<i>Vulpes macrotis mutica</i>)	
Vernal pool fairy shrimp (<i>Branchinecta lynchi</i>)	
Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>)	
Whooping crane (<i>Grus americana</i>)	
Meredosia National Wildlife Refuge	3
Decurrent false aster (<i>Boltonia decurrens</i>)	
Indiana bat (<i>Myotis sodalis</i>)	
Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>)	
Merritt Island National Wildlife Refuge	9
Decurrent false aster (<i>Boltonia decurrens</i>)	
Eastern indigo snake (<i>Drymarchon couperi</i>)	
Florida scrub-jay (<i>Aphelocoma coerulescens</i>)	
Hawksbill sea turtle (<i>Eretmochelys imbricata</i>)	
Kemp's ridley sea turtle (<i>Lepidochelys kempii</i>)	
Leatherback sea turtle (<i>Dermochelys coriacea</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Southeastern beach mouse (<i>Peromyscus polionotus niveiventris</i>)	
West Indian Manatee (<i>Trichechus manatus</i>)	
Michigan Islands National Wildlife Refuge	3
Dwarf lake iris (<i>Iris lacustris</i>)	
Pitcher's thistle (<i>Cirsium pitcheri</i>)	
Wood stork (<i>Mycteria americana</i>)	
Middle Mississippi River National Wildlife Refuge	3
Gray bat (<i>Myotis grisescens</i>)	
Indiana bat (<i>Myotis sodalis</i>)	
Pitcher's thistle (<i>Cirsium pitcheri</i>)	
Midway Atoll National Wildlife Refuge/Papahānaumokuākea Marine National Monument	3
Hawksbill sea turtle (<i>Eretmochelys imbricata</i>)	
Laysan duck (<i>Anas laysanensis</i>)	
Pallid sturgeon (<i>Scaphirhynchus albus</i>)	
Mingo National Wildlife Refuge	1
Short-tailed albatross (<i>Phoebastria (=Diomedea) albatrus</i>)	
Minidoka National Wildlife Refuge	1
Indiana bat (<i>Myotis sodalis</i>)	
Minnesota Valley National Wildlife Refuge	1
Northern Long-Eared Bat (<i>Myotis septentrionalis</i>)	
Mississippi Sandhill Crane National Wildlife Refuge	3
Gopher tortoise (<i>Gopherus polyphemus</i>)	

Mississippi sandhill crane (<i>Antigone canadensis pulla</i>)	
Snake River physa snail (<i>Physella natricina</i>)	
Moapa Valley National Wildlife Refuge	2
Desert tortoise (<i>Gopherus agassizii</i>)	
Yellow-blotched map turtle (<i>Graptemys flavimaculata</i>)	
Modoc National Wildlife Refuge	1
Yellow-billed Cuckoo (<i>Coccyzus americanus</i>)	
Monomoy National Wildlife Refuge	5
Moapa dace (<i>Moapa coriacea</i>)	
Northeastern beach tiger beetle (<i>Habroscelimorpha dorsalis dorsalis</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Roseate tern (<i>Sterna dougallii dougallii</i>)	
rufa red knot (<i>Calidris canutus rufa</i>)	
Monte Vista National Wildlife Refuge	1
Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>)	
Montezuma National Wildlife Refuge	2
Indiana bat (<i>Myotis sodalis</i>)	
Roseate tern (<i>Sterna dougallii dougallii</i>)	
Moody National Wildlife Refuge	5
Hawksbill sea turtle (<i>Eretmochelys imbricata</i>)	
Indiana bat (<i>Myotis sodalis</i>)	
Kemp's ridley sea turtle (<i>Lepidochelys kempii</i>)	
Leatherback sea turtle (<i>Dermochelys coriacea</i>)	
Loggerhead sea turtle (<i>Caretta caretta</i>)	
Moosehorn National Wildlife Refuge	3
Atlantic salmon (<i>Salmo salar</i>)	
Northern Long-Eared Bat (<i>Myotis septentrionalis</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Morgan Brake National Wildlife Refuge	1
Northern Long-Eared Bat (<i>Myotis septentrionalis</i>)	
Mortenson Lake National Wildlife Refuge	2
Pondberry (<i>Lindera melissifolia</i>)	
Wyoming toad (<i>Anaxyrus baxteri</i>)	
Mountain Bogs National Wildlife Refuge	5
Small whorled pogonia (<i>Isotria medeoloides</i>)	
Swamp pink (<i>Helonias bullata</i>)	
Virginia big-eared bat (<i>Corynorhinus (=Plecotus) townsendii virginianus</i>)	
Virginia spiraea (<i>Spiraea virginiana</i>)	
White fringeless orchid (<i>Platanthera integrilabia</i>)	
Mountain Longleaf National Wildlife Refuge	2
Gray bat (<i>Myotis grisescens</i>)	
White fringeless orchid (<i>Platanthera integrilabia</i>)	
Mulshoe National Wildlife Refuge	1
White fringeless orchid (<i>Platanthera integrilabia</i>)	
Muscatatuck National Wildlife Refuge	1
Indiana bat (<i>Myotis sodalis</i>)	
Nantucket National Wildlife Refuge	4
Indiana bat (<i>Myotis sodalis</i>)	
Piping Plover (<i>Charadrius melodus</i>)	

Roseate tern (<i>Sterna dougallii dougallii</i>)	
rufa red knot (<i>Calidris canutus rufa</i>)	
National Bison Range	2
Bull Trout (<i>Salvelinus confluentus</i>)	
Grizzly bear (<i>Ursus arctos horribilis</i>)	
National Elk Refuge National Wildlife Refuge	1
Grizzly bear (<i>Ursus arctos horribilis</i>)	
National Key Deer Refuge	23
American crocodile (<i>Crocodylus acutus</i>)	
Bartram's hairstreak Butterfly (<i>Strymon acis bartrami</i>)	
Big Pine partridge pea (<i>Chamaecrista lineata keyensis</i>)	
Blodgett's silverbush (<i>Argythamnia blodgettii</i>)	
Eastern indigo snake (<i>Drymarchon couperi</i>)	
Florida leafwing Butterfly (<i>Anaea troglodyta floridalis</i>)	
Florida semaphore Cactus (<i>Consolea corallicola</i>)	
Garber's spurge (<i>Chamaesyce garberi</i>)	
Hawksbill sea turtle (<i>Eretmochelys imbricata</i>)	
Kemp's ridley sea turtle (<i>Lepidochelys kempii</i>)	
Key deer (<i>Odocoileus virginianus clavium</i>)	
Key tree cactus (<i>Pilosocereus robinii</i>)	
Leatherback sea turtle (<i>Dermochelys coriacea</i>)	
Loggerhead sea turtle (<i>Caretta caretta</i>)	
Lower Keys marsh rabbit (<i>Sylvilagus palustris hefneri</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Roseate tern (<i>Sterna dougallii dougallii</i>)	
rufa red knot (<i>Calidris canutus rufa</i>)	
Sand flax (<i>Linum arenicola</i>)	
Silver rice rat (<i>Oryzomys palustris natator</i>)	
Stock Island tree snail (<i>Orthalicus reses</i> (not incl. <i>nesodryas</i>))	
Wedge spurge (<i>Chamaesyce deltoidea serpyllum</i>)	
West Indian Manatee (<i>Trichechus manatus</i>)	
Neal Smith National Wildlife Refuge	1
Wood stork (<i>Mycteria americana</i>)	
Necedah National Wildlife Refuge	6
Eastern Massasauga (=rattlesnake) (<i>Sistrurus catenatus</i>)	
Gray wolf (<i>Canis lupus</i>)	
Indiana bat (<i>Myotis sodalis</i>)	
Karner blue butterfly (<i>Lycaeides melissa samuelis</i>)	
Northern Long-Eared Bat (<i>Myotis septentrionalis</i>)	
Whooping crane (<i>Grus americana</i>)	
Nine-Pipe National Wildlife Refuge	1
Grizzly bear (<i>Ursus arctos horribilis</i>)	
Ninigret National Wildlife Refuge	5
Northeastern beach tiger beetle (<i>Habroscelimorpha dorsalis dorsalis</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Roseate tern (<i>Sterna dougallii dougallii</i>)	
Sandplain gerardia (<i>Agalinis acuta</i>)	
Seabeach amaranth (<i>Amaranthus pumilus</i>)	
Nomans Land Island National Wildlife Refuge	4

Hawksbill sea turtle (<i>Eretmochelys imbricata</i>)	
Leatherback sea turtle (<i>Dermochelys coriacea</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Roseate tern (<i>Sterna dougallii dougallii</i>)	
Northeast Canyons and Seamounts Marine National Monument	2
Kemp's ridley sea turtle (<i>Lepidochelys kempii</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Northern Tallgrass Prairie National Wildlife Refuge	2
Dakota Skipper (<i>Hesperia dacotae</i>)	
Topeka shiner (<i>Notropis topeka (=tristis)</i>)	
Nowitna National Wildlife Refuge	1
North American wolverine (<i>Gulo gulo luscus</i>)	
Oahu Forest National Wildlife Refuge	10
`Akoko (<i>Euphorbia rockii</i>)	
`Ohe`ohe (<i>Polyscias gymnocarpa</i>)	
Ha`iwale (<i>Cyrtandra viridiflora</i>)	
Haha (<i>Cyanea humboldtiana</i>)	
Haha (<i>Cyanea koolauensis</i>)	
Hawaiian hoary bat (<i>Lasiurus cinereus semotus</i>)	
Nanu (<i>Gardenia mannii</i>)	
No common name (<i>Lobelia koolauensis</i>)	
Wawae`iole (<i>Phlegmariurus nutans</i>)	
Western prairie fringed Orchid (<i>Platanthera praeclara</i>)	
Ohio River Islands National Wildlife Refuge	6
Fanshell (<i>Cyprogenia stegaria</i>)	
Indiana bat (<i>Myotis sodalis</i>)	
Longsolid (<i>Fusconaia subrotunda</i>)	
Pink mucket (pearlymussel) (<i>Lampsilis abrupta</i>)	
Round hickorynut (<i>Obovaria subrotunda</i>)	
Sheepnose Mussel (<i>Plethobasus cyphus</i>)	
Okefenokee National Wildlife Refuge	4
Eastern indigo snake (<i>Drymarchon couperi</i>)	
Red-cockaded woodpecker (<i>Picoides borealis</i>)	
Sheepnose Mussel (<i>Plethobasus cyphus</i>)	
Wood stork (<i>Mycteria americana</i>)	
Ottawa National Wildlife Refuge	3
Eastern prairie fringed orchid (<i>Platanthera leucophaea</i>)	
Lakeside daisy (<i>Hymenoxys herbacea</i>)	
Wood stork (<i>Mycteria americana</i>)	
Ouray National Wildlife Refuge	5
Bonytail (<i>Gila elegans</i>)	
Colorado pikeminnow (<i>Ptychocheilus lucius</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Razorback sucker (<i>Xyrauchen texanus</i>)	
Uinta Basin hookless cactus (<i>Sclerocactus wetlandicus</i>)	
Oyster Bay National Wildlife Refuge	3
Leatherback sea turtle (<i>Dermochelys coriacea</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Yellow-billed Cuckoo (<i>Coccyzus americanus</i>)	

Ozark Cavefish National Wildlife Refuge	3
Gray bat (<i>Myotis grisescens</i>)	
Ozark cavefish (<i>Amblyopsis rosae</i>)	
rufa red knot (<i>Calidris canutus rufa</i>)	
Ozark Plateau National Wildlife Refuge	3
Gray bat (<i>Myotis grisescens</i>)	
Ozark big-eared bat (<i>Corynorhinus (=Plecotus) townsendii ingens</i>)	
Ozark cavefish (<i>Amblyopsis rosae</i>)	
Pahranagat National Wildlife Refuge	4
Desert tortoise (<i>Gopherus agassizii</i>)	
Green sea turtle (<i>Chelonia mydas</i>)	
Pahranagat roundtail chub (<i>Gila robusta jordani</i>)	
Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>)	
Paint Rock River National Wildlife Refuge	16
Alabama Lampmussel (<i>Lampsilis virescens</i>)	
American hart's-tongue fern (<i>Asplenium scolopendrium</i> var. <i>americanum</i>)	
Fine-rayed Pigtoe (<i>Fusconaia cuneolus</i>)	
Gray bat (<i>Myotis grisescens</i>)	
Indiana bat (<i>Myotis sodalis</i>)	
Morefield's Leather-flower (<i>Clematis morefieldii</i>)	
Pale Lilliput (<i>Toxolasma cylindrellus</i>)	
Palezone Shiner (<i>Notropis albizonatus</i>)	
Pink Mucket (<i>Lampsilis abrupta</i>)	
Price's Potato-bean (<i>Apios priceana</i>)	
Rabbitsfoot (<i>Quadrula cylindrica cylindrica</i>)	
Rough pigtoe (<i>Pleurobema plenum</i>)	
Shiny pigtoe (<i>Fusconaia cor</i>)	
Slabside Pearlymussel (<i>Pleurobema dolabelloides</i>)	
Snuffbox (<i>Epioblasma triquetra</i>)	
White fringeless orchid (<i>Platanthera integrilabia</i>)	
Palmyra Atoll National Wildlife Refuge/Pacific Remote Island Marine National Monument	3
Green sea turtle (<i>Chelonia mydas</i>)	
Hawksbill sea turtle (<i>Eretmochelys imbricata</i>)	
Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>)	
Papahānaumokuākea Marine National Monument	17
Green sea turtle (<i>Chelonia mydas</i>)	
Hawksbill sea turtle (<i>Eretmochelys imbricata</i>)	
Kamanomano (<i>Cenchrus agrimonioides</i>)	
Laysan duck (<i>Anas laysanensis</i>)	
Laysan finch (<i>Telespiza cantans</i>)	
Laysan finch (<i>Telespiza ultima</i>)	
Leatherback sea turtle (<i>Dermochelys coriacea</i>)	
Loggerhead sea turtle (<i>Caretta caretta</i>)	
loulou (<i>Pritchardia remota</i>)	
Nihoa millerbird (<i>Acrocephalus familiaris kingi</i>)	
No common name (<i>Amaranthus brownii</i>)	
No common name (<i>Cyperus pennatifolius</i>)	
No common name (<i>Schiedea verticillata</i>)	
Ohai (<i>Sesbania tomentosa</i>)	

Olive ridley sea turtle (<i>Lepidochelys olivacea</i>)	
Popolo (<i>Solanum nelsonii</i>)	
Short-tailed albatross (<i>Phoebastria (=Diomedea) albatrus</i>)	
Parker River National Wildlife Refuge	2
Piping Plover (<i>Charadrius melodus</i>)	
rufa red knot (<i>Calidris canutus rufa</i>)	
Passage Key National Wildlife Refuge	2
Kemp's ridley sea turtle (<i>Lepidochelys kempii</i>)	
Roseate tern (<i>Sterna dougallii dougallii</i>)	
Patoka River National Wildlife Refuge and Management Area	2
Indiana bat (<i>Myotis sodalis</i>)	
West Indian Manatee (<i>Trichechus manatus</i>)	
Pea Island National Wildlife Refuge	1
Piping Plover (<i>Charadrius melodus</i>)	
Pearl Harbor National Wildlife Refuge	8
`Akoko (<i>Euphorbia skottsbergii</i> var. <i>skottsbergii</i>)	
Hawaiian common gallinule (<i>Gallinula galeata sandvicensis</i>)	
Hawaiian coot (<i>Fulica alai</i>)	
Hawaiian duck (<i>Anas wyvilliana</i>)	
Hawaiian stilt (<i>Himantopus mexicanus knudseni</i>)	
Ko` oloa` ula (<i>Abutilon menziesii</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Round-leaved chaff-flower (<i>Achyranthes splendens</i> var. <i>rotundata</i>)	
Pee Dee National Wildlife Refuge	2
Red-cockaded woodpecker (<i>Picoides borealis</i>)	
Schweinitz's sunflower (<i>Helianthus schweinitzii</i>)	
Pelican Island National Wildlife Refuge	10
Atlantic salt marsh snake (<i>Nerodia clarkii taeniata</i>)	
Eastern indigo snake (<i>Drymarchon couperi</i>)	
Green sea turtle (<i>Chelonia mydas</i>)	
Hawksbill sea turtle (<i>Eretmochelys imbricata</i>)	
Kemp's ridley sea turtle (<i>Lepidochelys kempii</i>)	
Leatherback sea turtle (<i>Dermochelys coriacea</i>)	
Loggerhead sea turtle (<i>Caretta caretta</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Southeastern beach mouse (<i>Peromyscus polionotus niveiventris</i>)	
West Indian Manatee (<i>Trichechus manatus</i>)	
Petit Manan National Wildlife Refuge	3
Piping Plover (<i>Charadrius melodus</i>)	
Roseate tern (<i>Sterna dougallii dougallii</i>)	
Wood stork (<i>Mycteria americana</i>)	
Piedmont National Wildlife Refuge	5
Fringed campion (<i>Silene polypetala</i>)	
Red-cockaded woodpecker (<i>Picoides borealis</i>)	
Relict trillium (<i>Trillium reliquum</i>)	
Roseate tern (<i>Sterna dougallii dougallii</i>)	
Wood stork (<i>Mycteria americana</i>)	
Pierce National Wildlife Refuge	1
Red-cockaded woodpecker (<i>Picoides borealis</i>)	

Pilot Knob National Wildlife Refuge	2
Gray bat (<i>Myotis grisescens</i>)	
Indiana bat (<i>Myotis sodalis</i>)	
Pinckney Island National Wildlife Refuge	6
Indiana bat (<i>Myotis sodalis</i>)	
Loggerhead sea turtle (<i>Caretta caretta</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
rufa red knot (<i>Calidris canutus rufa</i>)	
West Indian Manatee (<i>Trichechus manatus</i>)	
Wood stork (<i>Mycteria americana</i>)	
Pine Island National Wildlife Refuge	9
American crocodile (<i>Crocodylus acutus</i>)	
Gulf sturgeon (<i>Acipenser oxyrinchus (=oxyrhyinchus) desotoi</i>)	
Hawksbill sea turtle (<i>Eretmochelys imbricata</i>)	
Kemp's ridley sea turtle (<i>Lepidochelys kempii</i>)	
Leatherback sea turtle (<i>Dermochelys coriacea</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
rufa red knot (<i>Calidris canutus rufa</i>)	
West Indian Manatee (<i>Trichechus manatus</i>)	
Wood stork (<i>Mycteria americana</i>)	
Pinellas National Wildlife Refuge	5
Green sea turtle (<i>Chelonia mydas</i>)	
Loggerhead sea turtle (<i>Caretta caretta</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
West Indian Manatee (<i>Trichechus manatus</i>)	
Wood stork (<i>Mycteria americana</i>)	
Pixley National Wildlife Refuge	5
Blunt-nosed leopard lizard (<i>Gambelia silus</i>)	
Kern mallow (<i>Eremalche kernensis</i>)	
San Joaquin kit fox (<i>Vulpes macrotis mutica</i>)	
Tipton kangaroo rat (<i>Dipodomys nitratooides nitratooides</i>)	
Wood stork (<i>Mycteria americana</i>)	
Pleasant Lake National Wildlife Refuge	1
Vernal pool fairy shrimp (<i>Branchinecta lynchi</i>)	
Plum Tree Island National Wildlife Refuge	2
Loggerhead sea turtle (<i>Caretta caretta</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Pocosin Lakes National Wildlife Refuge	3
Northeastern beach tiger beetle (<i>Habroscelimorpha dorsalis dorsalis</i>)	
Red wolf (<i>Canis rufus</i>)	
Red-cockaded woodpecker (<i>Picoides borealis</i>)	
Pond Creek National Wildlife Refuge	1
Red-cockaded woodpecker (<i>Picoides borealis</i>)	
Pond Island National Wildlife Refuge	2
Ouachita rock pocketbook (<i>Arcidens wheeleri</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Port Louisa National Wildlife Refuge	1
Roseate tern (<i>Sterna dougallii dougallii</i>)	
Presquile National Wildlife Refuge	2

Higgins eye (pearlymussel) (<i>Lampsilis higginsii</i>)	
Sensitive joint-vetch (<i>Aeschynomene virginica</i>)	
Pretty Rock National Wildlife Refuge	1
Whooping crane (<i>Grus americana</i>)	
Prime Hook National Wildlife Refuge	2
Piping Plover (<i>Charadrius melodus</i>)	
Sensitive joint-vetch (<i>Aeschynomene virginica</i>)	
Quillayute Needles National Wildlife Refuge	1
Marbled Murrelet (<i>Brachyramphus marmoratus</i>)	
Quivira National Wildlife Refuge	5
Eastern Black rail (<i>Laterallus jamaicensis</i> ssp. <i>jamaicensis</i>)	
Eskimo curlew (<i>Numenius borealis</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
rufa red knot (<i>Calidris canutus rufa</i>)	
Whooping crane (<i>Grus americana</i>)	
Rachel Carson National Wildlife Refuge	4
Piping Plover (<i>Charadrius melodus</i>)	
Roseate tern (<i>Sterna dougallii dougallii</i>)	
rufa red knot (<i>Calidris canutus rufa</i>)	
Whooping crane (<i>Grus americana</i>)	
Rappahannock River Valley National Wildlife Refuge	3
Roseate tern (<i>Sterna dougallii dougallii</i>)	
Sensitive joint-vetch (<i>Aeschynomene virginica</i>)	
Small whorled pogonia (<i>Isotria medeoloides</i>)	
Red River National Wildlife Refuge	1
Pallid sturgeon (<i>Scaphirhynchus albus</i>)	
Red Rock Lakes National Wildlife Refuge	3
North American wolverine (<i>Gulo gulo luscus</i>)	
Sensitive joint-vetch (<i>Aeschynomene virginica</i>)	
Whitebark pine (<i>Pinus albicaulis</i>)	
Rice Lake National Wildlife Refuge	1
Canada Lynx (<i>Lynx canadensis</i>)	
Ridgefield National Wildlife Refuge	2
Columbian white-tailed deer (<i>Odocoileus virginianus leucurus</i>)	
Gray wolf (<i>Canis lupus</i>)	
Rio Mora National Wildlife Refuge	2
Mexican spotted owl (<i>Strix occidentalis lucida</i>)	
Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>)	
Roanoke River National Wildlife Refuge	2
Red-cockaded woodpecker (<i>Picoides borealis</i>)	
Shortnose sturgeon (<i>Acipenser brevirostrum</i>)	
Rocky Mountain Arsenal National Wildlife Refuge	2
Mexican spotted owl (<i>Strix occidentalis lucida</i>)	
Ute ladies'-tresses (<i>Spiranthes diluvialis</i>)	
Rocky Mountain Front Conservation Area	5
Bull Trout (<i>Salvelinus confluentus</i>)	
Canada Lynx (<i>Lynx canadensis</i>)	
Gray wolf (<i>Canis lupus</i>)	
Grizzly bear (<i>Ursus arctos horribilis</i>)	

Piping Plover (<i>Charadrius melodus</i>)	
Rose Atoll National Wildlife Refuge/Marine National Monument	3
Green sea turtle (<i>Chelonia mydas</i>)	
Hawksbill sea turtle (<i>Eretmochelys imbricata</i>)	
Preble's meadow jumping mouse (<i>Zapus hudsonius preblei</i>)	
Sabine National Wildlife Refuge	3
Hawksbill sea turtle (<i>Eretmochelys imbricata</i>)	
Kemp's ridley sea turtle (<i>Lepidochelys kempii</i>)	
Loggerhead sea turtle (<i>Caretta caretta</i>)	
Sachuest Point National Wildlife Refuge	1
Piping Plover (<i>Charadrius melodus</i>)	
Sacramento National Wildlife Refuge	9
Conservancy fairy shrimp (<i>Branchinecta conservatio</i>)	
Giant garter snake (<i>Thamnophis gigas</i>)	
Greene's tuctoria (<i>Tuctoria greenei</i>)	
Hairy Orcutt grass (<i>Orcuttia pilosa</i>)	
Hoover's spurge (<i>Chamaesyce hooveri</i>)	
Palmate-bracted bird's beak (<i>Cordylanthus palmatus</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Vernal pool fairy shrimp (<i>Branchinecta lynchi</i>)	
Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>)	
Sacramento River National Wildlife Refuge	2
Valley elderberry longhorn beetle (<i>Desmocerus californicus dimorphus</i>)	
Vernal pool tadpole shrimp (<i>Lepidurus packardi</i>)	
Salinas River National Wildlife Refuge	6
California least tern (<i>Sternula antillarum browni</i>)	
Monterey gilia (<i>Gilia tenuiflora</i> ssp. <i>arenaria</i>)	
Monterey spineflower (<i>Chorizanthe pungens</i> var. <i>pungens</i>)	
Smith's blue butterfly (<i>Euphilotes enoptes smithi</i>)	
Western Snowy Plover (<i>Charadrius nivosus nivosus</i>)	
Yellow-billed Cuckoo (<i>Coccyzus americanus</i>)	
Salt Plains National Wildlife Refuge	3
Piping Plover (<i>Charadrius melodus</i>)	
Western Snowy Plover (<i>Charadrius nivosus nivosus</i>)	
Whooping crane (<i>Grus americana</i>)	
Sam D. Hamilton Noxubee National Wildlife Refuge	3
Red-cockaded woodpecker (<i>Picoides borealis</i>)	
Whooping crane (<i>Grus americana</i>)	
Wood stork (<i>Mycteria americana</i>)	
San Andres National Wildlife Refuge	1
Wood stork (<i>Mycteria americana</i>)	
San Bernard National Wildlife Refuge	7
Eastern Black rail (<i>Laterallus jamaicensis</i> ssp. <i>jamaicensis</i>)	
Kemp's ridley sea turtle (<i>Lepidochelys kempii</i>)	
Loggerhead sea turtle (<i>Caretta caretta</i>)	
Northern Aplomado Falcon (<i>Falco femoralis septentrionalis</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Sneed pincushion cactus (<i>Coryphantha sneedii</i> var. <i>sneedii</i>)	
Texas fawnsfoot (<i>Truncilla macrodon</i>)	

San Bernardino National Wildlife Refuge

9

Beautiful shiner (*Cyprinella formosa*)
Gila topminnow (incl. Yaqui) (*Poeciliopsis occidentalis*)
Huachuca water-umbel (*Lilaeopsis schaffneriana* var. *recurva*)
Northern Mexican gartersnake (*Thamnophis eques megalops*)
rufa red knot (*Calidris canutus rufa*)
San Bernardino springsnail (*Pyrgulopsis bernardina*)
Southwestern willow flycatcher (*Empidonax traillii extimus*)
Yaqui catfish (*Ictalurus pricei*)
Yaqui chub (*Gila purpurea*)

San Diego Bay National Wildlife Refuge

8

California least tern (*Sternula antillarum browni*)
Coastal California gnatcatcher (*Polioptila californica californica*)
Green sea turtle (*Chelonia mydas*)
Least Bell's vireo (*Vireo bellii pusillus*)
Light-footed Ridgway's rail (*Rallus obsoletus levipes*)
Salt marsh bird's-beak (*Cordylanthus maritimus* ssp. *maritimus*)
Western Snowy Plover (*Charadrius nivosus nivosus*)
Yellow-billed Cuckoo (*Coccyzus americanus*)

San Diego National Wildlife Refuge

18

Arroyo (=arroyo southwestern) toad (*Anaxyrus californicus*)
California Orcutt grass (*Orcuttia californica*)
California red-legged frog (*Rana draytonii*)
Coastal California gnatcatcher (*Polioptila californica californica*)
Hermes copper butterfly (*Lycaena hermes*)
Least Bell's vireo (*Vireo bellii pusillus*)
Mexican flannelbush (*Fremontodendron mexicanum*)
Otay mesa-mint (*Pogogyne nudiuscula*)
Otay tarplant (*Deinandra* (= *Hemizonia*) *conjugens*)
Quino checkerspot butterfly (*Euphydryas editha quino* (= *E. e. wrighti*))
San Diego ambrosia (*Ambrosia pumila*)
San Diego button-celery (*Eryngium aristulatum* var. *parishii*)
San Diego fairy shrimp (*Branchinecta sandiegonensis*)
San Diego mesa-mint (*Pogogyne abramsii*)
San Diego thornmint (*Acanthomintha ilicifolia*)
Southwestern willow flycatcher (*Empidonax traillii extimus*)
Spreading navarretia (*Navarretia fossalis*)
Western Snowy Plover (*Charadrius nivosus nivosus*)

San Joaquin River National Wildlife Refuge

15

Blunt-nosed leopard lizard (*Gambelia silus*)
California red-legged frog (*Rana draytonii*)
California tiger Salamander (*Ambystoma californiense*)
Conservancy fairy shrimp (*Branchinecta conservatio*)
Delta smelt (*Hypomesus transpacificus*)
Fresno kangaroo rat (*Dipodomys nitratooides exilis*)
Giant garter snake (*Thamnophis gigas*)
Least Bell's vireo (*Vireo bellii pusillus*)
Riparian brush rabbit (*Sylvilagus bachmani riparius*)
Riparian woodrat (=San Joaquin Valley) (*Neotoma fuscipes riparia*)

San Joaquin kit fox (*Vulpes macrotis mutica*)
Southwestern willow flycatcher (*Empidonax traillii extimus*)
Spreading navarretia (*Navarretia fossalis*)
Vernal pool fairy shrimp (*Branchinecta lynchi*)
Vernal pool tadpole shrimp (*Lepidurus packardi*)

San Luis National Wildlife Refuge

6

California tiger Salamander (*Ambystoma californiense*)
Conservancy fairy shrimp (*Branchinecta conservatio*)
Least Bell's vireo (*Vireo bellii pusillus*)
San Joaquin kit fox (*Vulpes macrotis mutica*)
Vernal pool fairy shrimp (*Branchinecta lynchi*)
Vernal pool tadpole shrimp (*Lepidurus packardi*)

San Luis Valley Conservation Area

6

California tiger Salamander (*Ambystoma californiense*)
Conservancy fairy shrimp (*Branchinecta conservatio*)
Least Bell's vireo (*Vireo bellii pusillus*)
San Joaquin kit fox (*Vulpes macrotis mutica*)
Vernal pool fairy shrimp (*Branchinecta lynchi*)
Vernal pool tadpole shrimp (*Lepidurus packardi*)

San Pablo Bay National Wildlife Refuge

5

California least tern (*Sternula antillarum browni*)
Delta smelt (*Hypomesus transpacificus*)
Light-footed Ridgway's rail (*Rallus obsoletus levipes*)
Salt marsh harvest mouse (*Reithrodontomys raviventris*)
Vernal pool tadpole shrimp (*Lepidurus packardi*)

Sand Lake National Wildlife Refuge

2

Western Snowy Plover (*Charadrius nivosus nivosus*)
Whooping crane (*Grus americana*)

Sandy Point National Wildlife Refuge

4

Hawksbill sea turtle (*Eretmochelys imbricata*)
Leatherback sea turtle (*Dermochelys coriacea*)
Vahl's boxwood (*Buxus vahlia*)
Whooping crane (*Grus americana*)

Sangre de Cristo Conservation Area

4

Canada Lynx (*Lynx canadensis*)
Mexican spotted owl (*Strix occidentalis lucida*)
Southwestern willow flycatcher (*Empidonax traillii extimus*)
Yellow-billed Cuckoo (*Coccyzus americanus*)

Santa Ana National Wildlife Refuge

4

Gulf Coast jaguarundi (*Puma yagouaroundi cacomitli*)
Ocelot (*Leopardus (=Felis) pardalis*)
Texas ayenia (*Ayenia limitaris*)
Vahl's boxwood (*Buxus vahlia*)

Santee National Wildlife Refuge

4

Shortnose sturgeon (*Acipenser brevirostrum*)
Walker's manioc (*Manihot walkerae*)
West Indian Manatee (*Trichechus manatus*)
Wood stork (*Mycteria americana*)

Sauta Cave National Wildlife Refuge

4

Gray bat (<i>Myotis grisescens</i>)	
Indiana bat (<i>Myotis sodalis</i>)	
Price's potato-bean (<i>Apios priceana</i>)	
Wood stork (<i>Mycteria americana</i>)	
Sayville National Wildlife Refuge	1
Sandplain gerardia (<i>Agalinis acuta</i>)	
School Section Lake National Wildlife Refuge	1
Whooping crane (<i>Grus americana</i>)	
Seal Beach National Wildlife Refuge	4
California least tern (<i>Sternula antillarum browni</i>)	
Light-footed Ridgway's rail (<i>Rallus obsoletus levipes</i>)	
Western Snowy Plover (<i>Charadrius nivosus nivosus</i>)	
Wood stork (<i>Mycteria americana</i>)	
Seal Island National Wildlife Refuge	1
Western Snowy Plover (<i>Charadrius nivosus nivosus</i>)	
Seatuck National Wildlife Refuge	2
Roseate tern (<i>Sterna dougallii dougallii</i>)	
rufa red knot (<i>Calidris canutus rufa</i>)	
Seedskafee National Wildlife Refuge	1
Roseate tern (<i>Sterna dougallii dougallii</i>)	
Selawik National Wildlife Refuge	1
Yellow-billed Cuckoo (<i>Coccyzus americanus</i>)	
Seney National Wildlife Refuge	2
Gray wolf (<i>Canis lupus</i>)	
Steller's Eider (<i>Polysticta stelleri</i>)	
Sequoyah National Wildlife Refuge	2
American burying beetle (<i>Nicrophorus americanus</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Sevilleta National Wildlife Refuge	2
Rio Grande Silvery Minnow (<i>Hybognathus amarus</i>)	
Southwestern willow flycatcher (<i>Empidonax traillii extimus</i>)	
Shawangunk Grasslands National Wildlife Refuge	1
Indiana bat (<i>Myotis sodalis</i>)	
Sheldon National Wildlife Refuge	2
Lahontan cutthroat trout (<i>Oncorhynchus clarkii henshawi</i>)	
Yellow-billed Cuckoo (<i>Coccyzus americanus</i>)	
Shell Keys National Wildlife Refuge	2
Piping Plover (<i>Charadrius melodus</i>)	
Yellow-billed Cuckoo (<i>Coccyzus americanus</i>)	
Shell Lake National Wildlife Refuge	4
Dakota Skipper (<i>Hesperia dacotae</i>)	
Gray wolf (<i>Canis lupus</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Whooping crane (<i>Grus americana</i>)	
Sheyenne Lake National Wildlife Refuge	1
Whooping crane (<i>Grus americana</i>)	
Sibley Lake National Wildlife Refuge	2
Piping Plover (<i>Charadrius melodus</i>)	
Whooping crane (<i>Grus americana</i>)	

Siletz Bay National Wildlife Refuge	1
Whooping crane (<i>Grus americana</i>)	
Silvio O. Conte National Fish and Wildlife Refuge	11
bog turtle (<i>Glyptemys muhlenbergii</i>)	
Canada Lynx (<i>Lynx canadensis</i>)	
Dwarf wedgemussel (<i>Alasmidonta heterodon</i>)	
Indiana bat (<i>Myotis sodalis</i>)	
Northeastern bulrush (<i>Scirpus ancistrochaetus</i>)	
Northern Long-Eared Bat (<i>Myotis septentrionalis</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Puritan tiger beetle (<i>Ellipsoptera puritana</i>)	
Roseate tern (<i>Sterna dougallii dougallii</i>)	
rufa red knot (<i>Calidris canutus rufa</i>)	
Small whorled pogonia (<i>Isotria medeoloides</i>)	
Slade National Wildlife Refuge	2
Canada Lynx (<i>Lynx canadensis</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Sonny Bono Salton Sea National Wildlife Refuge	3
Desert pupfish (<i>Cyprinodon macularius</i>)	
Whooping crane (<i>Grus americana</i>)	
Yuma Ridgway's rail (<i>Rallus obsoletus yumanensis</i>)	
St. Catherine Creek National Wildlife Refuge	3
Fat pocketbook (<i>Potamilus capax</i>)	
Wood stork (<i>Mycteria americana</i>)	
Yuma Ridgway's rail (<i>Rallus obsoletus yumanensis</i>)	
St. Johns National Wildlife Refuge	4
Crested caracara (<i>Caracara plancus audubonii</i>)	
Eastern Black rail (<i>Laterallus jamaicensis ssp. jamaicensis</i>)	
Eastern indigo snake (<i>Drymarchon couperi</i>)	
Wood stork (<i>Mycteria americana</i>)	
St. Marks National Wildlife Refuge	9
Eastern indigo snake (<i>Drymarchon couperi</i>)	
Frosted Flatwoods salamander (<i>Ambystoma cingulatum</i>)	
Gulf sturgeon (<i>Acipenser oxyrinchus (=oxyrhynchus) desotoi</i>)	
Kemp's ridley sea turtle (<i>Lepidochelys kempii</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Purple bankclimber (<i>Elliptoideus sloatianus</i>)	
Red-cockaded woodpecker (<i>Picoides borealis</i>)	
West Indian Manatee (<i>Trichechus manatus</i>)	
Wood stork (<i>Mycteria americana</i>)	
St. Vincent National Wildlife Refuge	9
Green sea turtle (<i>Chelonia mydas</i>)	
Gulf sturgeon (<i>Acipenser oxyrinchus (=oxyrhynchus) desotoi</i>)	
Kemp's ridley sea turtle (<i>Lepidochelys kempii</i>)	
Leatherback sea turtle (<i>Dermochelys coriacea</i>)	
Loggerhead sea turtle (<i>Caretta caretta</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Red wolf (<i>Canis rufus</i>)	
West Indian Manatee (<i>Trichechus manatus</i>)	

Wood stork (<i>Mycteria americana</i>)	
Steigerwald Lake National Wildlife Refuge	1
Wood stork (<i>Mycteria americana</i>)	
Stewart B. McKinney National Wildlife Refuge	3
Northern Long-Eared Bat (<i>Myotis septentrionalis</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
rufa red knot (<i>Calidris canutus rufa</i>)	
Stewart Lake National Wildlife Refuge	1
Roseate tern (<i>Sterna dougallii dougallii</i>)	
Stillwater National Wildlife Refuge	2
Cui-ui (<i>Chasmistes cujus</i>)	
Lahontan cutthroat trout (<i>Oncorhynchus clarkii henshawi</i>)	
Stone Lakes National Wildlife Refuge	1
Vernal pool tadpole shrimp (<i>Lepidurus packardii</i>)	
Stoney Slough National Wildlife Refuge	2
Vernal pool tadpole shrimp (<i>Lepidurus packardii</i>)	
Whooping crane (<i>Grus americana</i>)	
Sunburst Lake National Wildlife Refuge	2
Piping Plover (<i>Charadrius melodus</i>)	
Whooping crane (<i>Grus americana</i>)	
Supawna Meadows National Wildlife Refuge	5
Hawksbill sea turtle (<i>Eretmochelys imbricata</i>)	
Indiana bat (<i>Myotis sodalis</i>)	
Leatherback sea turtle (<i>Dermochelys coriacea</i>)	
Northern Long-Eared Bat (<i>Myotis septentrionalis</i>)	
Shortnose sturgeon (<i>Acipenser brevirostrum</i>)	
Susquehanna River National Wildlife Refuge	1
Shortnose sturgeon (<i>Acipenser brevirostrum</i>)	
Sutter National Wildlife Refuge	2
Giant garter snake (<i>Thamnophis gigas</i>)	
Whooping crane (<i>Grus americana</i>)	
Swan Lake National Wildlife Refuge	2
Indiana bat (<i>Myotis sodalis</i>)	
Yellow-billed Cuckoo (<i>Coccyzus americanus</i>)	
Swan River National Wildlife Refuge	3
Bull Trout (<i>Salvelinus confluentus</i>)	
Canada Lynx (<i>Lynx canadensis</i>)	
Grizzly bear (<i>Ursus arctos horribilis</i>)	
Swan Valley Conservation Area	4
Bull Trout (<i>Salvelinus confluentus</i>)	
Canada Lynx (<i>Lynx canadensis</i>)	
Grizzly bear (<i>Ursus arctos horribilis</i>)	
North American wolverine (<i>Gulo gulo luscus</i>)	
Swanquarter National Wildlife Refuge	4
Grizzly bear (<i>Ursus arctos horribilis</i>)	
Red wolf (<i>Canis rufus</i>)	
Shortnose sturgeon (<i>Acipenser brevirostrum</i>)	
West Indian Manatee (<i>Trichechus manatus</i>)	
Sweetwater Marsh National Wildlife Refuge	6

California least tern (<i>Sternula antillarum browni</i>)	
Coastal California gnatcatcher (<i>Polioptila californica californica</i>)	
Green sea turtle (<i>Chelonia mydas</i>)	
Light-footed Ridgway's rail (<i>Rallus obsoletus levipes</i>)	
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	
Western Snowy Plover (<i>Charadrius nivosus nivosus</i>)	
Tallahatchie National Wildlife Refuge	1
West Indian Manatee (<i>Trichechus manatus</i>)	
Tamarac National Wildlife Refuge	1
Gray wolf (<i>Canis lupus</i>)	
Target Rock National Wildlife Refuge	2
Gray wolf (<i>Canis lupus</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Ten Thousand Islands National Wildlife Refuge	10
American crocodile (<i>Crocodylus acutus</i>)	
Everglade snail kite (<i>Rostrhamus sociabilis plumbeus</i>)	
Florida panther (<i>Puma (=Felis) concolor coryi</i>)	
Green sea turtle (<i>Chelonia mydas</i>)	
Hawksbill sea turtle (<i>Eretmochelys imbricata</i>)	
Kemp's ridley sea turtle (<i>Lepidochelys kempii</i>)	
Leatherback sea turtle (<i>Dermochelys coriacea</i>)	
Loggerhead sea turtle (<i>Caretta caretta</i>)	
rufa red knot (<i>Calidris canutus rufa</i>)	
West Indian Manatee (<i>Trichechus manatus</i>)	
Tennessee National Wildlife Refuge	8
Fanshell (<i>Cyprogenia stegaria</i>)	
Gray bat (<i>Myotis grisescens</i>)	
Indiana bat (<i>Myotis sodalis</i>)	
Orangefoot pimpleback (pearlymussel) (<i>Plethobasus cooperianus</i>)	
Pink mucket (pearlymussel) (<i>Lampsilis abrupta</i>)	
Ring pink (mussel) (<i>Obovaria retusa</i>)	
Rough pigtoe (<i>Pleurobema plenum</i>)	
Wood stork (<i>Mycteria americana</i>)	
Tewaukon National Wildlife Refuge	1
Western prairie fringed Orchid (<i>Platanthera praeclara</i>)	
Texas Point National Wildlife Refuge	4
Hawksbill sea turtle (<i>Eretmochelys imbricata</i>)	
Kemp's ridley sea turtle (<i>Lepidochelys kempii</i>)	
Leatherback sea turtle (<i>Dermochelys coriacea</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Theodore Roosevelt National Wildlife Refuge	1
Pondberry (<i>Lindera melissifolia</i>)	
Tijuana Slough National Wildlife Refuge	8
California least tern (<i>Sternula antillarum browni</i>)	
Coastal California gnatcatcher (<i>Polioptila californica californica</i>)	
Least Bell's vireo (<i>Vireo bellii pusillus</i>)	
Light-footed Ridgway's rail (<i>Rallus obsoletus levipes</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Salt marsh bird's-beak (<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>)	

San Diego fairy shrimp (<i>Branchinecta sandiegonensis</i>)	
Western Snowy Plover (<i>Charadrius nivosus nivosus</i>)	
Tishomingo National Wildlife Refuge	1
Western Snowy Plover (<i>Charadrius nivosus nivosus</i>)	
Togiak National Wildlife Refuge	3
Piping Plover (<i>Charadrius melodus</i>)	
Spectacled eider (<i>Somateria fischeri</i>)	
Steller's Eider (<i>Polysticta stelleri</i>)	
Tomahawk National Wildlife Refuge	2
Steller's Eider (<i>Polysticta stelleri</i>)	
Whooping crane (<i>Grus americana</i>)	
Toppenish National Wildlife Refuge	1
Whooping crane (<i>Grus americana</i>)	
Trempealeau National Wildlife Refuge	1
Karner blue butterfly (<i>Lycaeides melissa samuelis</i>)	
Trinity River National Wildlife Refuge	2
Piping Plover (<i>Charadrius melodus</i>)	
Red-cockaded woodpecker (<i>Picoides borealis</i>)	
Trustom Pond National Wildlife Refuge	2
Piping Plover (<i>Charadrius melodus</i>)	
Roseate tern (<i>Sterna dougallii dougallii</i>)	
Tualatin River National Wildlife Refuge	3
Kincaid's Lupine (<i>Lupinus sulphureus</i> ssp. <i>kincaidii</i>)	
Sandplain gerardia (<i>Agalinis acuta</i>)	
Willamette daisy (<i>Erigeron decumbens</i>)	
Tule Lake National Wildlife Refuge	2
Lost River sucker (<i>Deltistes luxatus</i>)	
Shortnose Sucker (<i>Chasmistes brevirostris</i>)	
Turnbull National Wildlife Refuge	2
Shortnose Sucker (<i>Chasmistes brevirostris</i>)	
Spalding's Catchfly (<i>Silene spaldingii</i>)	
Tybee National Wildlife Refuge	5
Decurrent false aster (<i>Boltonia decurrens</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
rufa red knot (<i>Calidris canutus rufa</i>)	
Shortnose sturgeon (<i>Acipenser brevirostrum</i>)	
West Indian Manatee (<i>Trichechus manatus</i>)	
UL Bend National Wildlife Refuge	2
Black-footed ferret (<i>Mustela nigripes</i>)	
Wood stork (<i>Mycteria americana</i>)	
Umatilla National Wildlife Refuge	2
Bull Trout (<i>Salvelinus confluentus</i>)	
Pallid sturgeon (<i>Scaphirhynchus albus</i>)	
Upper Klamath National Wildlife Refuge	3
Lost River sucker (<i>Deltistes luxatus</i>)	
Prairie bush-clover (<i>Lespedeza leptostachya</i>)	
Shortnose Sucker (<i>Chasmistes brevirostris</i>)	
Upper Mississippi River National Wildlife and Fish Refuge	4
Eastern Massasauga (=rattlesnake) (<i>Sistrurus catenatus</i>)	

Higgins eye (pearlymussel) (<i>Lampsilis higginsii</i>)	
Sheepnose Mussel (<i>Plethobasus cyphus</i>)	
Shortnose Sucker (<i>Chasmistes brevirostris</i>)	
Upper Ouachita National Wildlife Refuge	3
Pink mucket (pearlymussel) (<i>Lampsilis abrupta</i>)	
Red-cockaded woodpecker (<i>Picoides borealis</i>)	
Spectaclecase (mussel) (<i>Cumberlandia monodonta</i>)	
Upper Souris National Wildlife Refuge	3
Dakota Skipper (<i>Hesperia dacotae</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Red-cockaded woodpecker (<i>Picoides borealis</i>)	
Valentine National Wildlife Refuge	5
American burying beetle (<i>Nicrophorus americanus</i>)	
Blowout penstemon (<i>Penstemon haydenii</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Western prairie fringed Orchid (<i>Platanthera praeclara</i>)	
Whooping crane (<i>Grus americana</i>)	
Vieques National Wildlife Refuge	8
Beautiful goetzea (<i>Goetzea elegans</i>)	
Cobana negra (<i>Stahlia monosperma</i>)	
Green sea turtle (<i>Chelonia mydas</i>)	
Hawksbill sea turtle (<i>Eretmochelys imbricata</i>)	
Leatherback sea turtle (<i>Dermochelys coriacea</i>)	
No common name (<i>Varronia rupicola</i>)	
Roseate tern (<i>Sterna dougallii dougallii</i>)	
Whooping crane (<i>Grus americana</i>)	
Waccamaw National Wildlife Refuge	3
Red-cockaded woodpecker (<i>Picoides borealis</i>)	
Shortnose sturgeon (<i>Acipenser brevirostrum</i>)	
West Indian Manatee (<i>Trichechus manatus</i>)	
Wake Atoll National Wildlife Refuge and Marine National Monument	1
Wood stork (<i>Mycteria americana</i>)	
Walkkill River National Wildlife Refuge	2
bog turtle (<i>Glyptemys muhlenbergii</i>)	
Hawksbill sea turtle (<i>Eretmochelys imbricata</i>)	
Wallops Island National Wildlife Refuge	1
Piping Plover (<i>Charadrius melodus</i>)	
Wapanocca National Wildlife Refuge	1
Indiana bat (<i>Myotis sodalis</i>)	
Wassaw National Wildlife Refuge	7
Leatherback sea turtle (<i>Dermochelys coriacea</i>)	
Loggerhead sea turtle (<i>Caretta caretta</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
rufa red knot (<i>Calidris canutus rufa</i>)	
Shortnose sturgeon (<i>Acipenser brevirostrum</i>)	
West Indian Manatee (<i>Trichechus manatus</i>)	
Whooping crane (<i>Grus americana</i>)	
Watercress Darter National Wildlife Refuge	2
Watercress darter (<i>Etheostoma nuchale</i>)	

Wood stork (<i>Mycteria americana</i>)	
Waubay National Wildlife Refuge	3
Dakota Skipper (<i>Hesperia dacotae</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Wood stork (<i>Mycteria americana</i>)	
Wertheim National Wildlife Refuge	2
Roseate tern (<i>Sterna dougallii dougallii</i>)	
rufa red knot (<i>Calidris canutus rufa</i>)	
Wheeler National Wildlife Refuge	7
Anthony's riversnail (<i>Athearnia anthonyi</i>)	
Armored snail (<i>Marstonia pachyta</i>)	
Gray bat (<i>Myotis grisescens</i>)	
Longsolid (<i>Fusconaia subrotunda</i>)	
Pink mucket (pearlymussel) (<i>Lampsilis abrupta</i>)	
Rough pigtoe (<i>Pleurobema plenum</i>)	
Sandplain gerardia (<i>Agalinis acuta</i>)	
White River National Wildlife Refuge	2
Fat pocketbook (<i>Potamilus capax</i>)	
Pink mucket (pearlymussel) (<i>Lampsilis abrupta</i>)	
Whittlesey Creek National Wildlife Refuge	1
Wood stork (<i>Mycteria americana</i>)	
Wichita Mountains Wildlife Refuge	1
Whooping crane (<i>Grus americana</i>)	
Willapa National Wildlife Refuge	5
Leatherback sea turtle (<i>Dermochelys coriacea</i>)	
Marbled Murrelet (<i>Brachyramphus marmoratus</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
Streaked Horned lark (<i>Eremophila alpestris strigata</i>)	
Western Snowy Plover (<i>Charadrius nivosus nivosus</i>)	
William L. Finley National Wildlife Refuge	3
Kincaid's Lupine (<i>Lupinus sulphureus</i> ssp. <i>kincaidii</i>)	
Streaked Horned lark (<i>Eremophila alpestris strigata</i>)	
Western Snowy Plover (<i>Charadrius nivosus nivosus</i>)	
Wintering River National Wildlife Refuge	2
Piping Plover (<i>Charadrius melodus</i>)	
Whooping crane (<i>Grus americana</i>)	
Wolf Island National Wildlife Refuge	8
Giant garter snake (<i>Thamnophis gigas</i>)	
Leatherback sea turtle (<i>Dermochelys coriacea</i>)	
Loggerhead sea turtle (<i>Caretta caretta</i>)	
Piping Plover (<i>Charadrius melodus</i>)	
rufa red knot (<i>Calidris canutus rufa</i>)	
Shortnose sturgeon (<i>Acipenser brevirostrum</i>)	
West Indian Manatee (<i>Trichechus manatus</i>)	
Wood stork (<i>Mycteria americana</i>)	
Wyoming Toad Conservation Area	2
Black-footed ferret (<i>Mustela nigripes</i>)	
Wyoming toad (<i>Anaxyrus baxteri</i>)	
Yazoo National Wildlife Refuge	1

Wood stork (*Mycteria americana*)

Yukon Delta National Wildlife Refuge

2

Spectacled eider (*Somateria fischeri*)

Steller's Eider (*Polysticta stelleri*)

Yukon Flats National Wildlife Refuge

1

North American wolverine (*Gulo gulo luscus*)