



A Summary of Biological Inventory Data Collected at Padre Island National Seashore

Vertebrate and Vascular Plant Inventories

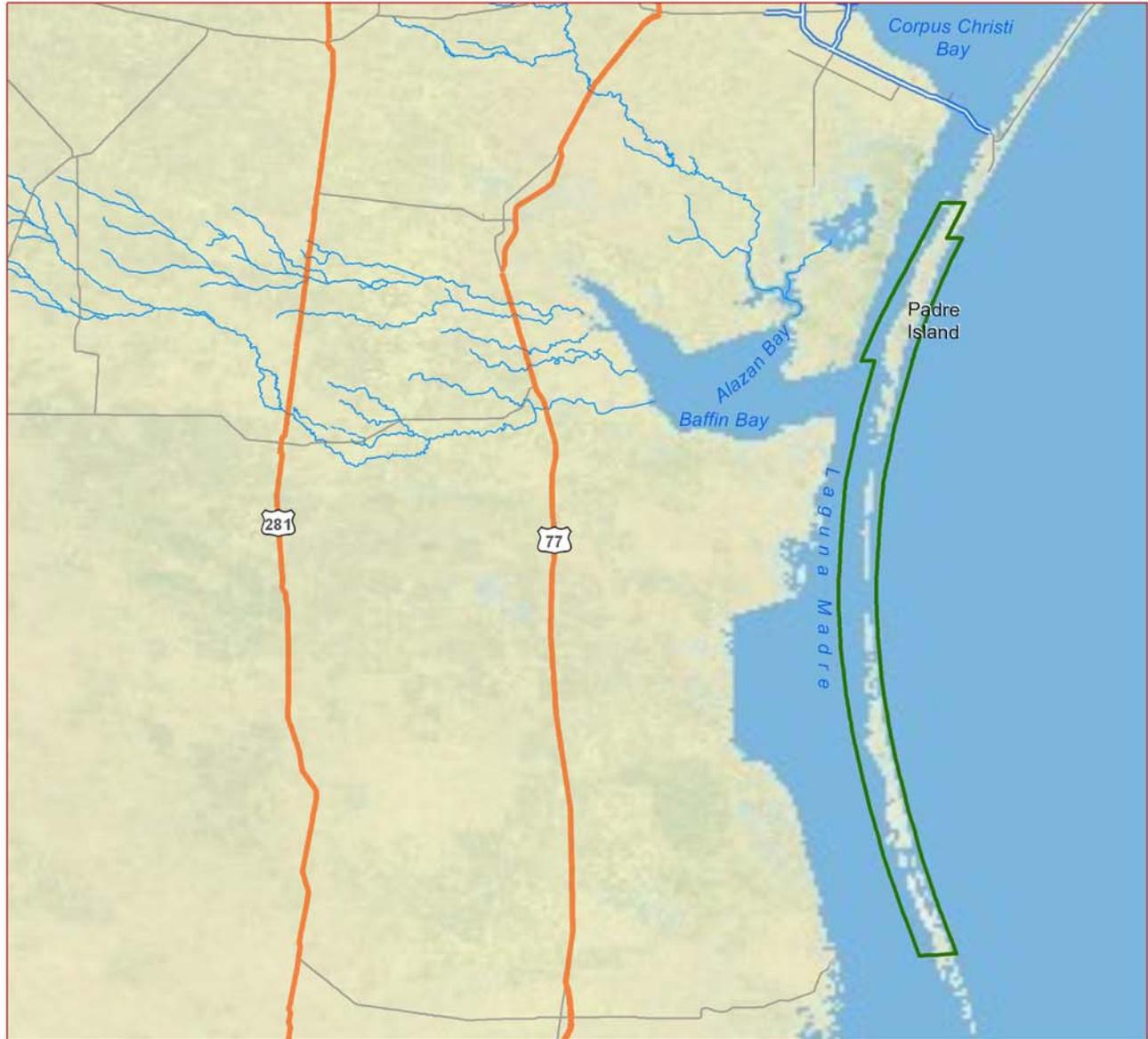
Natural Resource Technical Report NPS/GULN/NRTR—2010/402



Pelicans are among the many species of birds present in the Laguna Madre area of PAIS.



Padre Island National Seashore



Padre Island National Seashore preserves the longest undeveloped Barrier Island in the world. The natural environment consists of a mixture of upland grasslands, extensive wetlands, vegetated dune fields, seagrass beds, and wind-tidal flats. The park has been designated a Globally Important Bird Area by the American Bird Conservancy due to the occurrence of tens of thousands of shorebirds use of the Seashore as a staging area; for Arctic (*Falco peregrinus tundrius*) and American peregrine falcons (*Falco peregrinus anatum*); and for its use by one of only two annually nesting saltwater populations of white pelicans (*Pelecanus erythrorhynchos*) in the United States. In fact, over half of all bird species occurring in the state are found in the Seashore. Human activity is equally significant in the Seashore, which receives nearly 800,000 visitors a year taking part in such activities as fishing, wind surfing, camping, boating, and bird watching.



Produced by Gulf Coast Network
October 2006





Kemp's Ridley turtles are believed to remember the beach where they were hatched.

Coyotes are among the animals known to inhabit the Padre Island National Seashore.



Snapping turtles are tracked and monitored at PAIS.

ON THE COVER Located along the south Texas coast, Padre Island National Seashore protects the longest undeveloped stretch of barrier islands in the world. Here, you can enjoy 70 miles of sandy beaches, wind-carved dunes, vast grasslands, fragile tidal flats, and warm, nearshore waters. Pelicans are among the many species of birds present in the Laguna Madre area of PAIS. NPS photos.

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646 Cajundome Blvd. Room 175
Lafayette, LA 70506

November 2010
U.S. Department of the Interior
National Park Service
Natural Resource Program Center
Fort Collins, Colorado

The National Park Service, Natural Resource Program Center publishes a range of reports that address natural resource topics of interest and applicability to a broad audience in the National Park Service and others in natural resource management, including scientists, conservation and environmental constituencies, and the public.

The Natural Resource Data Series is intended for the timely release of basic data sets and data summaries. Care has been taken to assure accuracy of raw data values, but a thorough analysis and interpretation of the data has not been completed. Consequently, the initial analyses of data in this report are provisional and subject to change.

All manuscripts in the series receive the appropriate level of peer review to ensure that the information is scientifically credible, technically accurate, appropriately written for the intended audience, and designed and published in a professional manner.

Views, statements, findings, conclusions, recommendations, and data in this report do not necessarily reflect views and policies of the National Park Service, U.S. Department of the Interior. Mention of trade names or commercial products does not constitute endorsement or recommendation for use by the U.S. Government.

This report is available from [the Gulf Coast Network Inventory and Monitoring Program website: http://science.nature.nps.gov/im/units/guln/networkhome/reports.cfm](http://science.nature.nps.gov/im/units/guln/networkhome/reports.cfm) and the Natural Resource Publications Management website (<http://www.nature.nps.gov/publications/NRPM>).

Please cite this publication as:

Gulf Coast Network 2010. A summary of biological inventories conducted at Padre Island National Seashore: Vertebrate, and vascular plant inventories. Natural Resource Technical Report NPS/GULN/NRTR—2010/402. National Park Service, Fort Collins, Colorado.

Contents

	Page
Contents	iii
List of Tables	iv
Introduction.....	1
Methods.....	1
Results and Discussion	2
Discussion.....	14
Monitoring.....	14
Management	14
Literature Cited.....	15
NPSpecies https://science1.nature.nps.gov/npspecies/web/main/start Feb 4, 2009	15
Appendix A. NPSpecies Data Dictionary.....	16
Appendix B. Padre Island National Seashore(PAIS) Local List.	22

Tables

	Page
Table 1. Count of organisms by Park Status categories at PAIS (NPSpecies 2009).	2
Table 2. Count of organisms by Abundance categories at PAIS (NPSpecies 2009).....	3
Table 3. Count of organisms by Residency categories at PAIS (NPSpecies 2009).....	3
Table 4. Count of organisms by Nativity categories at PAIS (NPSpecies 2009)	3
Table 5. Non-native plants occurring at Padre Island National Seashore with an Invasive Species Impact Rank (I-Rank).NatureServe 2009.	5
Table 6. Organisms on the park’s local list which possess a designated conservation status (State Status, State Rank, Federal Status or TNC Global Rank).	9

Introduction

Park managers are directed by federal law and National Park Service (NPS) policies to know the status and trends in the condition of natural resources under their stewardship in order to fulfill the NPS mission of conserving parks unimpaired. The National Park Service established the Inventory and Monitoring Program (I&M) in 1992 to provide funding, technical assistance, and coordination for more than 270 parks to complete 12 basic natural resource inventories and to begin monitoring the status and trend of park natural resources. As part of this effort, the I&M Program's Gulf Coast Network (GULN) completed several inventories of the vertebrate species and vascular plants at Padre Island National Seashore (PAIS). These efforts included cataloging all existing data, followed up by additional field investigations. The primary purpose of these inventories was to document the presence of resources in parks, and to assess and document the current condition and knowledge of natural resources in the parks. This report provides a summary of results. Results are also briefly discussed within the context of future inventory efforts, long-term monitoring, and management.

A natural resource **inventory** is an extensive point-in-time effort to document the presence, location or condition of a resource, including the status of plants, animals, and abiotic components such as water, soils, landforms, and climate.

Monitoring differs from an inventory in adding the dimension of time, with the general purpose of detecting changes or trends in a resource over time.

Methods

Prior to the initiation of any field investigation, an effort was made to assemble extant data on species occurrence at PAIS. This included searches of reference databases and vouchers, as well as a site visit to the park. Based on these investigations, inventories for several vertebrate and vascular plant groups at PAIS were determined to be incomplete. Consequently, new field inventories of fish (Smith 2007), mammals (Frey 2008), and amphibians and reptiles (Duran 2004) were conducted on the park. The bird and vascular plant list for the park were determined to be relatively complete, so no new inventories were conducted; however, the species lists are summarized in this report along with the new inventories.

NPSpecies is the National Park Service's master database for documenting the occurrence and status of species in more than 270 national park units containing significant natural resources.

Recent inventory reports for PAIS are available on the GULN website at <http://science.nature.nps.gov/im/units/guln/>.

Data gathered from the initial reviews at PAIS and recent inventories were organized and entered in NPSpecies. Organism names were linked to the available evidence (reference, observation and/or voucher), quality checked, and made ready for review by individuals with expertise in the various taxa groups. The purpose of these reviews was to assign a park status (e.g., Present in Park, Probably Present, False Report, etc.) and complete a series of checklist fields for each organism (i.e., abundance, residency, nativity and cultivation). Upon completion of this step, data were considered certified and uploaded to a master, online version of NPSpecies on the NPS

resource management application website (<http://NRInfo.gov>). This site is currently restricted to NPS users and contractors, and records flagged as "sensitive" are not visible to users without edit permissions..

Results and Discussion

Searches for past data and completion of recent inventory efforts resulted in 68 references, 2,215 vouchers, and 757 observations being entered into NPSpecies for PAIS. Based on a review of this evidence, 1,074 organisms were categorized as Present in Park or Probably Present (Table 1). An additional 125 organisms were categorized as Unconfirmed or Encroaching. Unconfirmed organisms were included on the park list primarily due to historic and/or weak evidence supporting its existence on the park. Encroaching species includes those organisms known to occur in the region, but that are unlikely to occur on the park, at least presently.

Currently 1,025 of the parks total 1,232 organisms are documented as Present in Park. Additionally, the percentage of total organisms Present in Park is 83%. However, if both categories, Present in Park and Probably Present are combined, then the number of documented organisms rises to 1,074. The percentage of Present in Park and Probably Present of total organisms is 87%. Thus, based on current data, the percentage of documented organisms occurring in PAIS is likely between 83 and 87%. The I&M goal was to document as many organisms occurring in the park as possible, be them previously unidentified, encroaching, possibly present, or Present in Park. .

Table 1. Count of organisms by Park Status categories at PAIS (NPSpecies 2009).

Park Status ¹	Bird	Fish	Mammal	Amphibian	Reptile	Vascular Plant	Total
Present in Park	354	132	28	5	26	480	1025
Probably Present	18	5	17	1	-	8	49
Encroaching	-	13	19	-	-	-	32
Unconfirmed	19	34	11	2	15	12	93
Historical	-	-	6	-	2	-	8
False Report	6	-	4	-	1	30	41

¹ Refer to Appendix A for definitions of Park Status categories.

Of the 1,232 organisms documented, reviewers assigned a general abundance category (e.g. Abundant, Common, Uncommon, Rare, and Occasional) to 412(33%) (Table 2). Reviewers believed additional information was needed before an abundance category could be assigned to the remaining 820 (67%) organisms (e.g. Unknown, Not Accounted for).

Table 2. Count of organisms by Abundance categories at PAIS (NPSpecies 2009).

Abundance Category¹	Bird	Fish	Mammal	Amphibian	Reptile	Vascular Plant	Total
Abundant	34	-	8	1	2	-	45
Common	71	-	8	2	7	-	88
Uncommon	109	-	4	2	10	-	125
Rare	92	-	3	-	3	-	98
Occasional	48	-	1	-	-	7	56
Unknown	-	132	4	-	-	473	609
Not Accounted for	43	52	57	3	6	50	211

¹ Refer to Appendix A for definitions of Abundance categories.

Residency values (e.g. Breeder, Resident, Migrant, and Vagrant) were assigned for 469 organisms with the exception of 763 organisms that were categorized as unknown or not accounted for (43 birds, 87 fish, 67 mammals, 8 amphibians, and 28 reptiles). Unknown and Not Accounted For residency values were assigned primarily because it was unclear as to whether or not the organism bred on the park. Also, residency was not established for the 530 vascular plants because residency values do not apply to vascular plants.

Table 3. Count of organisms by Residency categories at PAIS (NPSpecies 2009)

Residency Category	Bird	Fish	Mammal	Amphibian	Reptile	Vascular Plant	Total
Breeder	60	1	17	-	-	-	78
Resident	119	88	-	-	-	-	207
Migratory	126	1	-	-	-	-	127
Vagrant	49	7	1	-	-	-	57
Unknown	-	35	10	5	22	-	72
Not Accounted for	43	52	57	3	6	530	691

¹ Refer to Appendix A for definitions of Residency categories.

PAIS's local list includes 100 non-native organisms (i.e., 13% of total). Of the 100 non-native organisms, there are 3 birds, 4 fish, 2 reptiles, 11 are mammals, and the remaining 80 are vascular plants. Forty-one additional fish were assigned a nativity of unknown due to a park status of unconfirmed and false reports regarding these fish.

Table 4. Count of organisms by Nativity categories at PAIS (NPSpecies 2009)

Nativity Category¹	Bird	Fish	Mammal	Amphibian	Reptile	Vascular Plant	Total
Native	394	139	74	8	26	438	1079
Non-Native	3	4	11	-	2	80	100
Unknown	-	41	-	-	-	12	53
Not Accounted for	-	-	-	-	-	-	0

¹ Refer to Appendix A for definitions of Nativity categories.

NatureServe, in cooperation with The Nature Conservancy and NPS, developed a protocol to rank the impact of non-native invasive vascular plants (Morse et al. 2004). Through a series of standardized questions, non-native species are evaluated and assigned an Invasive Species Impact Rank (I-Rank) based on impact to native species and natural biodiversity. I-Ranks are categorized as high, high/medium, high/low, medium, medium/low, medium/insignificant, low, low/insignificant, or insignificant. Seven of the non-native vascular plants on PAIS's local list received an overall I-Rank score from NatureServe containing high (Table 5). All are known to occur in the park (i.e., Present in Park).

Table 5. Non-native plants occurring at Padre Island National Seashore with an Invasive Species Impact Rank (I-Rank).NatureServe 2009.

Common Names	Species	Overall I-Rank	Ecological Impact ¹	Management Difficulty ²	I-Rank Summary
giant reed, giantreed	<i>Arundo donax</i>	High	High	Low	Dense monospecific stands in California are linked with severe degradation of ecosystem processes and several species within the community including the Least Bell's Vireo.
buffelgrass	<i>Pennisetum ciliare</i>	High	High	High/Low	This hardy non-native grass has a high degree of reproductive vigor, a wide range of adaptability, and few pests and predators. It occurs in 15 states in the US, mostly in the southeast. It is difficult to manage once firmly established.
salt cedar, salt-cedar, saltcedar, tamarisk, tamarix	<i>Tamarix ramosissima</i>	High	High	High/Medium	Widespread in the western US where it has been associated with severe ecosystem degradation. May prove difficult to remove.
flaxgrass, oatgrass, wheat oats, wild oat, wild oats	<i>Avena fatua</i>	High/Low	Medium/Low	High/Medium	A problem weed world wide, causing most problems in agricultural systems. Found throughout much of the U.S. and considered widely naturalized in the western U.S. Occurs in sand dunes, annual grasslands, openings in woodlands, coastal slopes, coastal sage scrub, roadsides, pastures, grain fields and waste areas. Typically, cool season grasses are fast growers, very competitive and have persistent seed banks (with <i>Avena fatua</i> seeds can remain dormant for as long as 10 years). They also tend to create a larger amount of biomass than most native species which can lead to more fuel for fires. This species has become resistant to some herbicides in at least eight states as well in other countries. The number of sites and acreage is increasing with the herbicide resistant Wild Oat.

Common Names	Species	Overall I-Rank	Ecological Impact ¹	Management Difficulty ²	I-Rank Summary
annual rabbit's-foot grass, annual rabbitsfoot grass, rabbit'sfootgrass , rabbitfoot beardgrass, rabbitfoot grass, rabbitfoot polypogon, rabbitfootgrass	<i>Polypogon monspeliensis</i>	High/Low	High/Low	High/Medium	<i>Polypogon monspeliensis</i> is widespread across the U.S. but is more common in the west. In the Sonoran region, it is one of the most successful riparian exotics. In Grand Canyon National Park it is exhibiting a moderate rate of increase in numbers of individuals and populations. In California, <i>Polypogon monspeliensis</i> occurs in serpentine and nonserpentine foothill grasslands which contain native species that are critically endangered. It also occurs in salt marshes with freshwater inflows, waste places, wet pastures, wet soil in ditches and marshes, and along lakes and ponds. <i>Polypogon monspeliensis</i> forms dense swards that crowd out native plants and prevent their regeneration. It may have allelopathic effects. Apparently, most of its negative impacts on biodiversity are in California and Arizona but more information is needed. More information is also needed about its trends.
tree tobacco	<i>Nicotiana glauca</i>	High/Low	Medium/Low	High/Low	<i>Nicotiana glauca</i> can be locally abundant and cause reductions in native plant community richness, however, these effects do not appear to be widespread over the entire range in the US.
aleppo milletgrass, herbe de Cuba, Johnson grass, Johnsongrass, sorgho d'Alep, sorgo de alepo, zacate Johnson	<i>Sorghum halepense</i>	High/ Medium	Medium/Low	High/Medium	Johnson grass has been shown to severely inhibit pioneer grass species which normally appear in abandoned fields and can persist in almost pure stands for many years. The massive size (up to 3 m tall) of this plant creates difficulties for the establishment of other plants and rapid growth of rhizomes also provides the plant with a competitive edge over other species. It is one of the most frequently listed noxious weeds in the U.S. and occurs throughout the entire southern half of the country. The plant is self-pollinated, aggressive, and wind dispersed though humans often disperse it during field cultivation. Although it can colonize undisturbed sites as a pioneer species, it is often found in old fields or previously cultivated areas. Control is difficult and costly and, although some selective herbicides have been developed, such treatment usually impacts natives.
rescue brome, rescue grass, rescuegras, rescuegrass	<i>Bromus catharticus</i>	Insignificant	Unknown	Unknown	<i>Bromus catharticus</i> is found in waste places, open, generally disturbed places, lawns, gardens, roadsides, ditchbanks, and small grain winter crops. Labeled as a plant species that spreads in or near disturbed areas and are not presently considered a threat to native plant communities.

Common Names	Species	Overall I-Rank	Ecological Impact ¹	Management Difficulty ²	I-Rank Summary
colocynth	<i>Citrullus colocynthis</i>	Insignificant	Unknown	Unknown	This species is reported to occur in Texas, but has not been found in natural areas there. This species has been reported in California, in Death Valley, however, this report is unsubstantiated.
Crabgrass, hairy crab grass, hairy crabgrass, large crabgrass, purple crabgrass, redhair crabgrass	<i>Digitaria sanguinalis</i>	Low/ Insignificant	Low/ Insignificant	Low/Insignificant	<i>Digitaria sanguinalis</i> is widespread and occurs throughout the contiguous U.S., with the exception of Florida. It is a serious weed of lawns and gardens. In native species habitats, it occurs primarily in waste areas, old fields, borders, and roadsides. Where it occurs in more natural habitats such as prairies and dunes, it seems to be restricted to freshly disturbed areas. It has been found to produce root exudates that inhibit its own seedlings, as well as the seedlings of other early invading species; it is one of the first species to disappear in old field succession. <i>Digitaria sanguinalis</i> does possess some aggressive reproductive characteristics. A single plant may produce up to 188,000 seeds and stems often root at the lower nodes. However, it appears to have few negative impacts on biodiversity.
italian ryegrass, perennial rye grass, perennial ryegrass	<i>Lolium perenne</i>	Medium	Medium	Medium/Insignificant	<i>Lolium perenne</i> occurs in all 50 states and the District of Columbia. It is used as a lawn and pasture grass. <i>Lolium perenne</i> often escapes on roadsides and in disturbed areas. It also invades grasslands, meadows, and vernal pools, especially in California. Apparently most of its negative impacts on biodiversity are in California. <i>Lolium perenne</i> can spread quickly and forms dense swards that displace native species. It threatens a federally threatened butterfly in serpentine grassland in California because it displaces the butterfly's primary larval food plant. Depending on environmental conditions, <i>Lolium perenne</i> may behave as an annual, biennial, short-lived perennial, or perennial. Seed production is prolific. Several management techniques are effective in controlling <i>Lolium perenne</i> including burning, mowing, grazing, and herbicides. <i>Lolium perenne</i> includes both <i>Lolium perenne</i> ssp. <i>multiflorum</i> (often called <i>L. multiflorum</i>) and <i>Lolium perenne</i> ssp. <i>perenne</i> .

Common Names	Species	Overall I-Rank	Ecological Impact ¹	Management Difficulty ²	I-Rank Summary
lantana, largeleaf lantana	<i>Lantana camara</i>	Medium	Medium	Medium/Low	This cosmopolitan weed changes the community structure and community composition of natural communities in the US by outcompeting native plants through allelopathy, and establishing dense, impenetrable thickets. It also extensively hybridizing with the native <i>Lantana depressa</i> in Florida. It has major impacts on biodiversity in Florida and Hawaii, is reproductively aggressive, and is somewhat hard to manage.
annual yellow sweetclover, Indian sweet-clover	<i>Melilotus indicus</i>	Medium/ Insignificant	Low/ Insignificant	High/Low	This taxon is much less well studied than the more common <i>Melilotus</i> species, and therefore there is much more uncertainty about its effects in the U.S. It is widespread, but may not be advancing beyond its current distribution. But either way, management techniques specific to this taxon are unknown.
pimpernel, scarlet pimpernel	<i>Anagallis arvensis</i>	Medium/ Insignificant	Medium/ Insignificant	Medium/Insignificant	This common weed appears to be so ubiquitous that no one notices it anymore. It is unlikely to be affecting ecosystems, communities or individual species.
watercress	<i>Rorippa nasturtium-aquaticum</i>	Medium/Low	Medium/Low	Medium/Insignificant	Watercress is a perennial aquatic herb that is widely escaped across the contiguous U.S., especially in the northern and western U.S. It forms dense creeping mats that exclude native plant species. Habitats it invades include slow flowing streams, wet creek banks, lake margins, marshes, roadside ditches, seeps, sedgy tamarack swamps, and karst springs. It appears to threaten habitats with some disturbance and to be of lesser concern to well-established native plant communities. It grows quickly and reproduces by seed and fragmentation. Control can be accomplished with repeated hand-pulling.

¹ A subcategory of Overall I-Rank score that addresses organism's negative impacts on native plant and animal populations and communities.

² A subcategory of Overall I-Rank score that addresses difficulty of control.

If information (as evidenced by protocol questions answered) is sufficient to eliminate at least two of the four possible I-Ranks, but insufficient to narrow the I-Rank to a single value, a range I-Rank (e.g. High/Medium) is assigned.

A total of 63 organisms (Table 6) on PAIS’s local list currently meet at least one of the following criteria:

- Listed on Texas Parks and Wildlife Department (TPWD) list of rare biota (<http://www.tpwd.state.tx.us/>)
- Listed by the U.S. Fish and Wildlife Service under the auspices of the U.S. Endangered Species Act of 1973, as amended
- Ranked as Critically Imperiled or Imperiled at the global level by NatureServe and its network of member programs.

Table 6. Organisms on the park’s local list which possess a designated conservation status (State Status, State Rank, Federal Status or TNC Global Rank).

Common Names	Scientific Name	Park Status ¹	State Status ²	State Rank ³	Federal Status ⁴	TNC Global Rank ⁵
BIRDS						
White-tailed Hawk	<i>Buteo albicaudatus</i>	Present in Park	T	S4B		G4G5
Swallow-tailed Kite	<i>Elanoides forficatus</i>	Present in Park	T	S2B		G5
Bald Eagle	<i>Haliaeetus leucocephalus</i>	Present in Park	T	S3B,S3N	DM	G4
Reddish Egret	<i>Egretta rufescens</i>	Present in Park	T	S3B		G4
Piping Plover	<i>Charadrius melodus</i>	Present in Park	T	S2	T	G3
Wood Stork	<i>Mycteria americana</i>	Present in Park	T	SHB,S2N	E	G4
Sooty Tern	<i>Sterna fuscata</i>	Present in Park	T	S2B		G5
Brown Pelican	<i>Pelecanus occidentalis</i>	Present in Park	E	S3B	E	G4
White-faced Ibis	<i>Plegadis chihi</i>	Present in Park	T	S4B		G5
Whooping Crane	<i>Grus americana</i>	Unconfirmed	E	S1		G1
Black-capped Vireo	<i>Vireo atricapillus</i>	Unconfirmed	E	S2B		G2G3
Western Snowy Plover	<i>Charadrius alexandrinus nivosus</i>	NA		S2B		G4T3
White Pelican	<i>Pelecanus erythrorhynchos</i>	Present in Park		S2B,S3N		G3
American Flamingo	<i>Phoenicopterus ruber</i>	Present in Park				G3
Migrant Loggerhead Shrike	<i>Lanius ludovicianus migrans</i>	NA		S2B		G4T3Q

Common Names	Scientific Name	Park Status ¹	State Status ²	State Rank ³	Federal Status ⁴	TNC Global Rank ⁵
MAMMALS						
Red Wolf	<i>Canis rufus</i>	Historic	E	SX	E	G1Q
Ocelot	<i>Leopardus pardalis</i>	Unconfirmed	E	S1	E	G4
Jaguar	<i>Panthera onca</i>	Unconfirmed	E	SH		G3
White-nosed Coati	<i>Nasua narica</i>	Probably Present	T	S2		G5
Blue Whale	<i>Balaenoptera musculus</i>	Unconfirmed	E	S1		G3G4
Fin Whale	<i>Balaenoptera physalus</i>	Encroaching	E	S1		G3G4
Pygmy Killer Whale	<i>Feresa attenuata</i>	Probably Present	T	S1		G4
Short-finned Pilot Whale	<i>Globicephala macrorhynchus</i>	Present in Park	T	S1		G5
Killer Whale	<i>Orcinus orca</i>	Present in Park	T	S1		G4G5
False Killer Whale	<i>Pseudorca crassidens</i>	Probably Present	T	S1		G4
Atlantic Spotted Dolphin	<i>Stenella frontalis</i>	Present in Park	T	S1		G5
Rough-toothed Dolphin	<i>Steno bredanensis</i>	Probably Present	T	S1		G4
Pygmy Sperm Whale	<i>Kogia breviceps</i>	Probably Present	T	S1		G4
Sperm Whale	<i>Physeter macrocephalus</i>	Probably Present	E	S1		G3G4
Gervais' Beaked Whale	<i>Mesoplodon europaeus</i>	Present in Park	T	S1		G3
Cuvier's Beaked Whale	<i>Ziphius cavirostris</i>	Encroaching	T	S1		G4
Coues' Oryzomys	<i>Oryzomys couesi</i>	Encroaching	T	S2		G5
West Indian Manatee	<i>Trichechus manatus</i>	Encroaching	E	SA		G2
Nilgai	<i>Boselaphus tragocamelus</i>	Present in Park				G3G4
Humpback Whale	<i>Megaptera novaeangliae</i>	Encroaching				G3
Maritime Pocket Gopher	<i>Geomys personatus maritimus</i>	NA		S2		G4T2
Gulf Coast Kangaroo Rat	<i>Dipodomys compactus compactus</i>	NA		S3		G4T3
REPTILES						
Texas Horned Lizard	<i>Phrynosoma cornutum</i>	Historic	T	S4		G4G5

Common Names	Scientific Name	Park Status ¹	State Status ²	State Rank ³	Federal Status ⁴	TNC Global Rank ⁵
Loggerhead	<i>Caretta caretta</i>	Present in Park	T	S2	T	G3
Green Turtle	<i>Chelonia mydas</i>	Present in Park	T	S1	T	G3
Texas Tortoise	<i>Gopherus berlandieri</i>	False Report	T	S3		G4
American Alligator	<i>Alligator mississippiensis</i>	Present in Park			SAT	
Texas Scarletsnake	<i>Cemophora coccinea lineri</i>	Present in Park		S2		G5T2
Massasauga	<i>Sistrurus catenatus</i>	Present in Park				G3G4
Desert Massasauga	<i>Sistrurus catenatus edwardsii</i>	NA				G3G4T3T4Q
Western Massasauga	<i>Sistrurus catenatus tergeminus</i>	NA				G3G4T3T4Q
Hawksbill	<i>Eretmochelys imbricata imbricata</i>	Unconfirmed		S1		G3T3Q
Texas Diamondback Terrapin	<i>Malaclemys terrapin littoralis</i>	Unconfirmed		S3		G4T3Q
FISH						
Dusky Shark	<i>Carcharhinus obscurus</i>	Present in Park				G3
Night Shark	<i>Carcharhinus signatus</i>	Present in Park				G3
Texas Pipefish	<i>Syngnathus affinis</i>	Present in Park		S1		G1
Sand Tiger	<i>Carcharias taurus</i>	Present in Park				G3G4
Nassau Grouper	<i>Epinephelus striatus</i>	Unconfirmed				G2
VASCULAR PLANTS						
Coastal Searocket	<i>Cakile lanceolata ssp. pseudoconstricta</i>	Present in Park				G5T2T4
Large Clammyweed	<i>Polanisia erosa ssp. breviglandulosa</i>	Present in Park		S3		G5T3
Tharp's Dropseed	<i>Sporobolus tharpii</i>	Present in Park		S3		G3
Texas Grass	<i>Vaseyochloa multinervosa</i>	Present in Park		S3		G3
Cory's Croton	<i>Croton coryi</i>	Present in Park		S3		G3

Common Names	Scientific Name	Park Status ¹	State Status ²	State Rank ³	Federal Status ⁴	TNC Global Rank ⁵
Velvet Spurge	<i>Euphorbia innocua</i>	Present in Park		S3		G3
Cream Wild Indigo	<i>Baptisia bracteata</i> <i>var. laevicaulis</i>	Present in Park		S2		G4G5T2T4
West Indian Mahogany	<i>Swietenia mahagoni</i>	False Report				G3G4
Gulf Coast Wolfberry	<i>Lycium carolinianum</i> <i>var. quadrifidum</i>	Present in Park		S3		G4T2T4
AMPHIBIANS						
Black-spotted Newt	<i>Notophthalmus meridionalis</i>	Probably Present	T	S1		G1

¹ Refer to the Appendix for definitions of Park Status categories.

² The official endangerment status the state heritage program has assigned to this species.

T – Threatened : Any species or subspecies that is likely to become an endangered species within the foreseeable future.

E – Endangered : Animal: Any species or subspecies of wildlife whose prospects of survival or recruitment within the state are in jeopardy or are likely to become so within the foreseeable future.

LE – endangered : A species which is in danger of extinction throughout all or a significant portion of its range.

D - Deemed in Need of Management : Any species or subspecies of nongame wildlife which should be investigated in order to develop information relating to populations, distribution, habitat needs, limiting factors, and other biological and ecological data to determine management measures necessary for their continued ability to sustain themselves successfully.

SP - Species Protected : It shall be unlawful to take, capture, kill, or attempt to take, capture or kill; possess, sell, trade for anything of monetary value, or offer to sell or trade for anything of monetary value, the following nongame wildlife species (or any parts or reproductive products of such species) without a scientific collection permit or written permit from the Commissioner, Department of Conservation and Natural Resources, which shall specifically state what the permittee may do with regard to said species.

S - Special concern : any species or subspecies that is uncommon, or has unique or highly specific habitat requirements or scientific value and therefore requires careful monitoring of its status.

³ State Rank

S1– Extremely rare and critically imperiled in the state with five or fewer occurrences, or very few remaining individuals, or because of some special condition where the species is particularly vulnerable to extirpation.

S2– Very rare and imperiled within the state, six to twenty occurrences and less than 3000 individuals, or few remaining individuals, or because of some factor(s) making it vulnerable to extirpation.

S3– Rare and uncommon in the state, from 21 to 100 occurrences.

S4– Widespread, abundant, and apparently secure within the state, though it may be quite rare in parts of its range, especially at the periphery, and is of long-term concern.

SH– Of historical occurrence, i.e., known to occur in the past, with the expectation that it may be rediscovered.

⁴U.S. Endangered Species Act: Current status of the taxon as designated or proposed by the U.S. Fish and Wildlife Service (USFWS) or the U.S. National Marine Fisheries Service, and as reported in the U.S. Federal Register in accordance with the U.S. Endangered Species Act of 1973, as amended.

E– Listed endangered, denotes a taxon that is threatened by extinction throughout all or a significant portion of its range.

T– Listed threatened, denotes a taxon that is likely to become an endangered species in the foreseeable future.

DM– Delisted taxon, recovered, being monitored for first five years.

⁵The rounded NatureServe conservation status, developed by NatureServe and its network of member programs, of a species from a global (i.e., rangewide) perspective, characterizing the relative imperilment of the species. G1=Critically Imperiled, G2=Imperiled, G3=Vulnerable, G4=Apparently Secure, G5=Secure. Refer to <<http://www.natureserve.org/explorer/ranking.htm>> for additional information on ranks.

Discussion

It is recognized that a species list will never be 100% complete and accurate any given time. Because most inventories are “point in time” surveys, not every species present may be found during the inventory. However, these new inventories, combined with historical observations give a reasonably complete list of species currently found on the park. In addition, the inventories resulted in the documentation of many new species and will provide baseline information that may of management significance.

While significant strides have been made in documenting the presence of vertebrate species and vascular plants (as noted above), it is anticipated that additional survey efforts will result in an increase in the number of organisms documented on PAIS.

Monitoring

GULN’s current list of high priority vital signs to be monitored at PAIS and includes several related directly to the vascular plant and vertebrate species documented in these recent inventories. These include terrestrial vegetative communities, amphibian communities, and water quality. Water quality relates directly to the vegetative communities, amphibians, and fish communities. Amphibians are considered good indicators of general ecosystem health due to their ties with both aquatic and terrestrial environments, and sensitivity to environmental stresses. Consequently, amphibians have been selected as a high priority group to monitor in all Gulf Coast Network parks. The baseline inventories have allowed the network to target long-term monitoring protocols to the species of interest on each park.

The potential impact of climate change on park resources has recently become a focus for the National Park Service. Although the impacts are difficult to predict, all vital signs that will be monitored at PAIS are very sensitive to changes in precipitation (timing, amount, and/or frequency) and temperature. The GULN will compile available weather data to use for placing monitoring results in context of changing weather and climate.

Management

Recent inventories have revealed that PAIS supports a diverse array of vascular plants and vertebrates. As noted, the data have been consolidated into NPSpecies for use in park planning and management decisions. An additional step to be taken with these data is identification of management priority species. This would likely include sensitive or rare species, and highly invasive exotics, among others. Additional management recommendations can be found in the specific inventory reports for PAIS.

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Appendix A. NPSpecies Data Dictionary

Park Status	The current status of each species in each park.	Applicable only to organisms with the <i>Local List</i> checkbox checked. The possible values reflect a combination of confidence, and availability and currency of verifiable evidence in NPSpecies.
Present in Park	Species' occurrence in park is documented and assumed to be extant.	Extremely high confidence that the species is currently in the park. A current, verifiable reference, voucher or observation is included in NPSpecies.
Probably Present	Park is within species' range and contains appropriate habitat. Documented occurrences of the species in the adjoining region of the park give reason to suspect that it probably occurs within the park. The degree of probability may vary within this category, including species that range from common to rare.	Very high confidence that the organism is currently in the park. Verifiable evidence may exist in NPSpecies, but is not considered current enough to elevate the status to Present in Park. Efforts should be made to obtain current, verifiable evidence in NPSpecies to elevate the Park Status to "Present in Park". If reasonable efforts to obtain current, verifiable evidence are unsuccessful, then the Park Status should be changed to Unconfirmed, Historic, Encroaching or False Report as applicable.
Unconfirmed	Included for the park based on weak ("unconfirmed record") or no evidence, giving minimal indication of the species' occurrence in the park.	Any confidence from very low to high that the organism is currently in the park. Verifiable evidence may exist in NPSpecies, but it is not considered sufficient enough to elevate the status to Probably Present, nor current enough to elevate the status to Present. Efforts should be made to obtain current, verifiable evidence in NPSpecies to elevate the Park Status to "Present in Park". If reasonable efforts to obtain current, verifiable evidence are unsuccessful, then the Park Status should be changed to Historic, Encroaching or False Report as applicable.
Encroaching	The species is not documented in the park, but is documented as being adjacent to the park and has potential to occur in the park.	Extremely low confidence that the organism is currently in the park, but extremely high confidence that the organism is currently adjacent to the park. Verifiable evidence may exist in NPSpecies documenting the occurrence in the park, but it is not current. Potential invasive organisms are good candidates for this Park Status designation, either before they enter a park or after they have been eliminated from a park.
Historic	Species' historical occurrence in the park is documented, but recent investigations indicate that the species is now probably absent.	Extremely low confidence that the organism is currently in the park. Verifiable evidence exists in NPSpecies, but is not current. Extinct, extirpated or eliminated species are candidates for a Historic <i>Park Status</i> designation.
False Report	Species previously reported to occur within the park, but current evidence indicates that the report was based on a misidentification, a taxonomic concept no longer accepted, or some	Extremely low confidence that the organism is currently in the park. Evidence exists in NPSpecies, but it cannot be sufficiently verified.

	other similar problem of interpretation.	
NA	Not Applicable - Park-Status does not apply to the scientific name for the park.	<p>The NA value prevents null values from appearing in NPSpecies and applies to 2 primary situations:</p> <ol style="list-style-type: none"> 1) An outdated scientific name that is not used in the locale of the park for an organism, but is in NPSpecies for a park because of the inclusion of vouchers, observations or names linked to references. Note that outdated names are reconciled in NPSpecies with the LOCAL CLASSIFICATION system. 2) Vouchers, observations or names linked to references have not been identified at the species level or lower, but are included in NPSpecies with the name of a higher taxonomic rank than the species level. The names of these higher level taxonomic ranks will disappear from NPSpecies if the evidence of the respective name are identified to the species level or lower, and are changed appropriately in NPSpecies.
Abundance	The current abundance of each organism in each park.	<p>Applicable only to organisms with the <i>Local List</i> checkbox checked and a <i>Park Status</i> of "Present". The values attempt to balance abundance with suitable habitat, and temporal/behavioral considerations. In practice, the entered value should apply (although there are numerous exceptions) to the abundance in the most suitable habitat of the organism, and at the time that the organism is engaged in it's principle behavior in (e.g. breeding, migrating, hibernating, etc.), or most important behavior to, the park. A future generation of NPSpecies will address the coding of <i>Abundance</i> (and associated <i>Residency</i>) to separate out the temporal and behavioral aspects. The Data Source field for Abundance is available to provide a citation that specifically addresses abundance in more detail.</p>
Abundant	<p>Animals: May be seen daily, in suitable habitat and season, and counted in relatively large numbers.</p> <p>Plants: Large number of individuals; wide ecological amplitude or occurring in habitats covering a large portion of the park.</p>	
Common	<p>Animals: May be seen daily, in suitable habitat and season, but not in large numbers. Plants: Large numbers of individuals predictably occurring in commonly encountered habitats but not those covering a large portion of the park.</p>	
Uncommon	<p>Animals: Likely to be seen monthly in appropriate season/habitat. May be locally common. Plants: Few to moderate numbers of individuals; occurring either sporadically in commonly encountered habitats or in</p>	

	uncommon habitats.	
Rare	Animals: Present, but usually seen only a few times each year. Plants: Few individuals, usually restricted to small areas of rare habitat.	
Occasional	Animals: Occurs in the park at least once every few years, but not necessarily every year. Plants: Not applicable.	
Unknown	Abundance unknown.	
NA	Not Applicable – Abundance does not apply to the scientific name in the park.	All names on a park's list that do not have a <i>Park Status</i> of Present should have a <i>Residency</i> of NA.
Residency	Current residency classification for each ANIMAL species in each park.	Applicable only to ANIMALS with the <i>Local List</i> checkbox checked and a <i>Park Status</i> of "Present". The values attempt to balance temporal and behavioral considerations. In practice, the entered value should apply (although there are numerous exceptions) to the residency of the organism at the time that the organism is engaged in its principle behavior (e.g. breeding, migrating, hibernating, etc.) in, or most important behavior to, the park. A future generation of NPSpecies will address the coding of Residency (and associated Abundance) to separate out the temporal and behavior aspects. The Data Source field for Residency is available to provide a citation that specifically addresses Residency in more detail.
Breeder	Population reproduces in the park.	
Resident	A significant population is maintained in the park for more than two months each year, but it is not known to breed there.	
Migratory	Migratory species that occurs in park approximately two months or less each year and does not breed there.	
Vagrant	Park is outside of the species' usual range.	
Unknown	Residency status in park is unknown.	
NA	Not Applicable – Residency does not apply to the scientific name in the park.	All names on a park's list that do not have a <i>Park Status</i> of Present should have a <i>Residency</i> of NA.
Nativity	Nativity classification for each organism for each park.	Applicable only to organisms with the <i>Local List</i> checkbox checked. If the park-status of an organism is not "Present in Park", then nativity represents the nativity if the organism were eventually confirmed in the park.
Native	The organism is native, or would be native, to the park (either endemic or indigenous).	
Non-Native	The organism is not native, or would not be native, to the park (neither endemic nor indigenous).	Cultivated organisms as defined under the <i>Cultivation</i> field are also considered non-native.
Unknown	Nativity is unknown relative to the park.	
NA	Not Applicable	Applies to names that do not represent organism

		names for the locale of the park.
Cultivation	Cultivation classification for each non-native organism in each park.	Applicable only to organisms with the <i>Local List</i> checkbox checked, a <i>Park Status</i> of "Present" or "Probably Present" and a <i>Nativity</i> of Non-Native. Cultivation is intended to distinguish between non-native organisms that were introduced as part of a park's mission, and non-native organisms that occur in the park naturally. Cultivation was not intended to apply to organisms that are cultivated for landscape purposes and have not persisted into the natural environment, for example plants in gardens or terrariums, or animals in enclosures. In general, NPSpecies was not intended to include controlled, "domestic" organisms.
Cultivated	A non-native species that is currently cultivated in the park.	
Persistent	A non-native species that persists in the park (either reproducing or non-reproducing) from a previous cultivation in the park.	
Not Cultivated	A non-native species that is not currently cultivated in the park.	
Unknown	A non-native species for which the cultivation in the park is currently unknown.	
NA	Not Applicable – Cultivation does not apply to the non-native scientific name in the park.	All names on a park's list that do not have a <i>Park Status</i> of Present or Probably Present and a <i>Nativity</i> of Non-native should have a Cultivation of NA.

Appendix B. Padre Island National Seashore (PAIS) Local List (NPSpecies 12/15/2009).

Scientific Name	Common Name	Park Status1
Amphibians		
<i>Bufo nebulifer</i>	Coastal Plain Toad	U
<i>Bufo woodhousii</i>	Woodhouse's Toad	PIP
<i>Hyla cinerea</i>	Green Tree Frog, Green Treefrog	PIP
<i>Pseudacris clarkii</i>	Spotted Chorus Frog	PIP
<i>Rana berlandieri</i>	Rio Grande Frog, Rio Grande Leopard Frog	PIP
<i>Scaphiopus hurterii</i>	Hurter's Spadefoot	PIP
<i>Notophthalmus meridionalis</i>	Black-spotted Newt	PP
<i>Aspidoscelis gularis</i>	Texas Spotted Whiptail	U
Scientific Name	Common Name	Park Status1
Birds		
<i>Aix sponsa</i>	Wood Duck	PIP
<i>Anas acuta</i>	Northern Pintail	PIP
<i>Anas americana</i>	American Wigeon	PIP
<i>Anas clypeata</i>	Northern Shoveler	PIP
<i>Anas crecca</i>	Green-winged Teal	PIP
<i>Anas cyanoptera</i>	Cinnamon Teal	PIP
<i>Anas discors</i>	Blue-winged Teal	PIP
<i>Anas fulvigula</i>	Mottled Duck	PIP
<i>Anas penelope</i>	Eurasian Wigeon	U
<i>Anas platyrhynchos</i>	Mallard	PIP
<i>Anas rubripes</i>	American Black Duck	PIP
<i>Anas strepera</i>	Gadwall	PIP
<i>Anser albifrons</i>	Greater White-fronted Goose	PIP
<i>Aythya affinis</i>	Lesser Scaup	PIP
<i>Aythya americana</i>	Redhead	PIP

<i>Aythya collaris</i>	Ring-necked Duck	PIP
<i>Aythya marila</i>	Greater Scaup	PIP
<i>Aythya valisineria</i>	Canvasback	PIP
<i>Branta canadensis</i>	Canada Goose	PIP
<i>Bucephala albeola</i>	Bufflehead	PIP
<i>Bucephala clangula</i>	Common Goldeneye	PIP
<i>Bucephala islandica</i>	Barrow's Goldeneye	U
<i>Chen caerulescens</i>	Snow Goose	PIP
<i>Chen rossii</i>	Ross' Goose, Ross's Goose	PP
<i>Clangula hyemalis</i>	Oldsquaw	PIP
<i>Cygnus columbianus</i>	Tundra Swan	U
<i>Histrionicus histrionicus</i>	Harlequin Duck	PIP
<i>Lophodytes cucullatus</i>	Hooded Merganser	PIP
<i>Melanitta fusca</i>	White-winged Scoter	PIP
<i>Melanitta nigra</i>	Black Scoter	PIP
<i>Melanitta perspicillata</i>	Surf Scoter	PIP
<i>Mergus serrator</i>	Red-breasted Merganser	PIP
<i>Oxyura dominica</i>	Masked Duck	U
<i>Oxyura jamaicensis</i>	Ruddy Duck	PIP
<i>Dendrocygna autumnalis</i>	Black-bellied Whistling-Duck	PIP
<i>Dendrocygna bicolor</i>	Fulvous Whistling-Duck	PIP
<i>Chaetura pelagica</i>	Chimney Swift	PIP
<i>Streptoprocne zonaris</i>	White-collared Swift	PIP
<i>Amazilia yucatanensis</i>	Buff-bellied Hummingbird	PIP
<i>Archilochus alexandri</i>	Black-chinned Hummingbird	PIP
<i>Archilochus colubris</i>	Ruby-throated Hummingbird	PIP
<i>Colibri thalassinus</i>	Green Violet-ear	PIP
<i>Selasphorus platycercus</i>	Broad-tailed Hummingbird	PIP
<i>Selasphorus rufus</i>	Rufous Hummingbird	PP
<i>Gallinago delicata</i>	Wilson's snipe	PIP

<i>Accipiter cooperii</i>	Cooper's Hawk	PIP
<i>Accipiter striatus</i>	Sharp-shinned Hawk	PIP
<i>Buteo albicaudatus</i>	White-tailed Hawk	PIP
<i>Buteo jamaicensis</i>	Red-tailed Hawk	PIP
<i>Buteo lagopus</i>	Rough-legged Hawk	PIP
<i>Buteo lineatus</i>	Red-shouldered Hawk	PIP
<i>Buteo platypterus</i>	Broad-winged Hawk	PIP
<i>Buteo regalis</i>	Ferruginous Hawk	PIP
<i>Buteo swainsoni</i>	Swainson's Hawk	PIP
<i>Circus cyaneus</i>	Northern Harrier	PIP
<i>Elanoides forficatus</i>	American Swallow-tailed Kite, Swallow-tailed Kite	PIP
<i>Elanus leucurus</i>	White-tailed Kite	PIP
<i>Haliaeetus leucocephalus</i>	Bald Eagle	PIP
<i>Ictinia mississippiensis</i>	Mississippi Kite	PIP
<i>Pandion haliaetus</i>	Osprey	PIP
<i>Parabuteo unicinctus</i>	Harris' Hawk	PIP
<i>Anhinga anhinga</i>	Anhinga	PIP
<i>Ardea alba</i>	Great Egret	PIP
<i>Ardea herodias</i>	Great Blue Heron	PIP
<i>Botaurus lentiginosus</i>	American Bittern	PIP
<i>Bubulcus ibis</i>	Cattle Egret	PIP
<i>Butorides virescens</i>	Green Heron	PIP
<i>Egretta caerulea</i>	Little Blue Heron	PIP
<i>Egretta rufescens</i>	Reddish Egret	PIP
<i>Egretta thula</i>	Snowy Egret	PIP
<i>Egretta tricolor</i>	Tricolored Heron	PIP
<i>Ixobrychus exilis</i>	Least Bittern	PIP
<i>Nyctanassa violacea</i>	Yellow-crowned Night-Heron	PIP
<i>Nycticorax nycticorax</i>	Black-crowned Night-Heron	PIP
<i>Charadrius alexandrinus</i>	Snowy Plover	PIP
<i>Charadrius melodus</i>	Piping Plover	PIP
<i>Charadrius semipalmatus</i>	Semipalmated Plover	PIP
<i>Charadrius vociferus</i>	Killdeer	PIP

<i>Charadrius wilsonia</i>	Wilson's Plover	PIP
<i>Haematopus palliatus</i>	American Oystercatcher	PIP
<i>Himantopus mexicanus</i>	Ae'o, Black-necked Stilt, Hawaiian Stilt	PIP
<i>Pluvialis dominica</i>	American Golden Plover, American Golden-Plover, Lesser Golden-Plover	PIP
<i>Pluvialis squatarola</i>	Black-bellied Plover	PIP
<i>Recurvirostra americana</i>	American Avocet	PIP
<i>Cathartes aura</i>	Turkey Vulture	PIP
<i>Coragyps atratus</i>	Black Vulture	PIP
<i>Mycteria americana</i>	Wood Stork	PIP
<i>Falco columbarius</i>	Merlin	PIP
<i>Falco femoralis</i>	Aplomado Falcon	PIP
<i>Falco peregrinus</i>	Peregrine Falcon	PIP
<i>Falco sparverius</i>	American Kestrel	PIP
<i>Polyborus plancus</i>	Crested Caracara	PIP
<i>Fregata magnificens</i>	Magnificent Frigatebird	PIP
<i>Gavia adamsii</i>	Yellow-billed Loon	PIP
<i>Gavia immer</i>	Common Loon	PIP
<i>Gavia pacifica</i>	Pacific Loon	PIP
<i>Gavia stellata</i>	Red-throated Loon	U
<i>Anous minutus</i>	Black Noddy	PIP
<i>Anous stolidus</i>	Brown Noddy	PIP
<i>Chlidonias niger</i>	Black Tern	PIP
<i>Larus argentatus</i>	Herring Gull	PIP
<i>Larus atricilla</i>	Laughing Gull	PIP
<i>Larus californicus</i>	California Gull	PIP
<i>Larus delawarensis</i>	Ring-billed Gull	PIP
<i>Larus fuscus</i>	Lesser Black-backed Gull	PIP
<i>Larus glaucoides</i>	Iceland Gull	PIP
<i>Larus hyperboreus</i>	Glaucous Gull	PIP
<i>Larus marinus</i>	Great Black-backed Gull	PIP
<i>Larus occidentalis</i>	Western Gull	PIP
<i>Larus philadelphia</i>	Bonaparte's Gull	PIP
<i>Larus pipixcan</i>	Franklin's Gull	PIP
<i>Larus thayeri</i>	Thayer's Gull	PP
<i>Rissa tridactyla</i>	Black-legged Kittiwake	PIP

<i>Rynchops niger</i>	Black Skimmer	PIP
<i>Stercorarius longicaudus</i>	Long-tailed Jaeger	PIP
<i>Stercorarius parasiticus</i>	Parasitic Jaeger	PIP
<i>Stercorarius pomarinus</i>	Pomarine Jaeger	PIP
<i>Sterna anaethetus</i>	Bridled Tern	PP
<i>Sterna antillarum</i>	Least Tern	PIP
<i>Sterna caspia</i>	Caspian Tern	PIP
<i>Sterna dougallii</i>	Roseate Tern	U
<i>Sterna forsteri</i>	Forster's Tern	PIP
<i>Sterna fuscata</i>	Sooty Tern	PIP
<i>Sterna hirundo</i>	Common Tern	PIP
<i>Sterna maxima</i>	Royal Tern	PIP
<i>Sterna nilotica</i>	Gull-billed Tern	PIP
<i>Sterna paradisaea</i>	Arctic Tern	U
<i>Sterna sandvicensis</i>	Sandwich Tern	PIP
<i>Xema sabini</i>	Sabine's Gull	PIP
<i>Pelecanus erythrorhynchos</i>	American White Pelican	PIP
<i>Pelecanus occidentalis</i>	Brown Pelican	PIP
<i>Phaethon aethereus</i>	Red-billed Tropicbird	PIP
<i>Phaethon lepturus</i>	White-tailed Tropicbird	FR
<i>Phalacrocorax auritus</i>	Double-crested Cormorant	PIP
<i>Phalacrocorax brasilianus</i>	Neotropic Cormorant	PIP
<i>Phoenicopterus ruber</i>	Greater Flamingo	PIP
<i>Aechmophorus occidentalis</i>	Western Grebe	U
<i>Podiceps auritus</i>	Horned Grebe	PIP
<i>Podiceps nigricollis</i>	Eared Grebe	PIP
<i>Podilymbus podiceps</i>	Pied-billed Grebe	PIP
<i>Tachybaptus dominicus</i>	Least Grebe	PIP
<i>Calonectris diomedea</i>	Cory's Shearwater	U
<i>Diomedea chlororhynchos</i>	Yellow-nosed Albatross	PIP
<i>Oceanites oceanicus</i>	Wilson's Storm Petrel, Wilson's Storm-Petrel	FR

<i>Oceanodroma castro</i>	Band-rumped Storm-Petrel	PP
<i>Oceanodroma leucorhoa</i>	Leach's Storm-Petrel	PIP
<i>Puffinus gravis</i>	Greater Shearwater	PIP
<i>Puffinus griseus</i>	Sooty Shearwater	PIP
<i>Puffinus lherminieri</i>	Audubon's Shearwater	U
<i>Puffinus puffinus</i>	Manx Shearwater	PP
<i>Actitis macularia</i>	Spotted Sandpiper	PIP
<i>Aphriza virgata</i>	Surfbird	PIP
<i>Arenaria interpres</i>	Ruddy Turnstone	PIP
<i>Bartramia longicauda</i>	Upland Sandpiper	PIP
<i>Calidris alba</i>	Sanderling	PIP
<i>Calidris alpina</i>	Dunlin	PIP
<i>Calidris bairdii</i>	Baird's Sandpiper	PIP
<i>Calidris canutus</i>	Red Knot	PIP
<i>Calidris fuscicollis</i>	White-rumped Sandpiper	PIP
<i>Calidris himantopus</i>	Stilt Sandpiper	PIP
<i>Calidris mauri</i>	Western Sandpiper	PIP
<i>Calidris melanotos</i>	Pectoral Sandpiper	PIP
<i>Calidris minutilla</i>	Least Sandpiper	PIP
<i>Calidris pusilla</i>	Semipalmated Sandpiper	PIP
<i>Calidris tenuirostris</i>	Great Knot	FR
<i>Catoptrophorus semipalmatus</i>	Willet	PIP
<i>Limnodromus griseus</i>	Short-billed Dowitcher	PIP
<i>Limnodromus scolopaceus</i>	Long-billed Dowitcher	PIP
<i>Limosa fedoa</i>	Marbled Godwit	PIP
<i>Limosa haemastica</i>	Hudsonian Godwit	PIP
<i>Numenius americanus</i>	Long-billed Curlew	PIP
<i>Numenius phaeopus</i>	Whimbrel	PIP
<i>Phalaropus fulicaria</i>	Red Phalarope	U
<i>Phalaropus lobatus</i>	Red-necked Phalarope	U
<i>Phalaropus tricolor</i>	Wilson's Phalarope	PIP
<i>Philomachus pugnax</i>	Ruff	PP
<i>Scolopax minor</i>	American Woodcock	PIP
<i>Tringa flavipes</i>	Lesser Yellowlegs	PIP
<i>Tringa melanoleuca</i>	Greater Yellowlegs	PIP

<i>Tringa solitaria</i>	Solitary Sandpiper	PIP
<i>Tryngites subruficollis</i>	Buff-breasted Sandpiper	PIP
<i>Morus bassanus</i>	Northern Gannet	PIP
<i>Sula dactylatra</i>	Masked Booby	PIP
<i>Sula leucogaster</i>	Brown Booby	PIP
<i>Sula nebouxii</i>	Blue-footed Booby	FR
<i>Sula sula</i>	Red-footed Booby	PIP
<i>Ajaia ajaja</i>	Roseate Spoonbill	PIP
<i>Eudocimus albus</i>	White Ibis	PIP
<i>Plegadis chihi</i>	White-faced Ibis	PIP
<i>Plegadis falcinellus</i>	Glossy Ibis	PIP
<i>Columba livia</i>	Rock Dove	PIP
<i>Columbina inca</i>	Inca Dove	PIP
<i>Columbina passerina</i>	Common Ground-Dove	PIP
<i>Scardafella inca</i>	Inca Dove	PIP
<i>Zenaida asiatica</i>	White-winged Dove	PIP
<i>Zenaida macroura</i>	Mourning Dove	PIP
<i>Ceryle alcyon</i>	Belted Kingfisher	PIP
<i>Chloroceryle americana</i>	Green Kingfisher	PIP
<i>Coccyzus americanus</i>	Yellow-billed Cuckoo	PIP
<i>Coccyzus erythrophthalmus</i>	Black-billed Cuckoo	PIP
<i>Coccyzus minor</i>	Mangrove Cuckoo	PP
<i>Crotophaga sulcirostris</i>	Groove-billed Ani	PIP
<i>Geococcyx californianus</i>	Greater Roadrunner	PIP
<i>Colinus virginianus</i>	Northern Bobwhite	PIP
<i>Meleagris gallopavo</i>	Wild Turkey	PIP
<i>Grus americana</i>	Whooping Crane	U
<i>Grus canadensis</i>	Sandhill Crane	PIP
<i>Coturnicops noveboracensis</i>	Yellow Rail	PP
<i>Fulica americana</i>	American Coot	PIP
<i>Gallinula chloropus</i>	Common Moorhen	PIP
<i>Laterallus jamaicensis</i>	Black Rail	PP

<i>Porphyryla martinica</i>	Purple Gallinule	PIP
<i>Porzana carolina</i>	Sora	PIP
<i>Rallus elegans</i>	King Rail	PIP
<i>Rallus limicola</i>	Virginia Rail	PIP
<i>Rallus longirostris</i>	Clapper Rail	PIP
<i>Eremophila alpestris</i>	Horned Lark	PIP
<i>Bombycilla cedrorum</i>	Cedar Waxwing	PIP
<i>Auriparus flaviceps</i>	Verdin	PIP
<i>Campylorhynchus brunneicapillus</i>	Cactus Wren	PIP
<i>Certhia americana</i>	Brown Creeper	PIP
<i>Cistothorus palustris</i>	Marsh Wren	PIP
<i>Cistothorus platensis</i>	Sedge Wren	PIP
<i>Poliophtila caerulea</i>	Blue-gray Gnatcatcher	PIP
<i>Thryomanes bewickii</i>	Bewick's Wren	PIP
<i>Thryothorus ludovicianus</i>	Carolina Wren	PIP
<i>Troglodytes aedon</i>	House Wren	PIP
<i>Troglodytes troglodytes</i>	Winter Wren	PIP
<i>Corvus cryptoleucus</i>	Chihuahuan Raven	PIP
<i>Agelaius phoeniceus</i>	Red-winged Blackbird	PIP
<i>Aimophila cassinii</i>	Cassin's Sparrow	PIP
<i>Ammodramus leconteii</i>	Le Conte's Sparrow	PIP
<i>Ammodramus maritimus</i>	Seaside Sparrow	PIP
<i>Ammodramus nelsoni</i>	Nelson's Sharp-tailed Sparrow	PIP
<i>Ammodramus savannarum</i>	Grasshopper Sparrow	PIP
<i>Arremonops rufivirgatus</i>	Olive Sparrow	PIP
<i>Calamospiza melanocorys</i>	Lark Bunting	PIP
<i>Cardinalis cardinalis</i>	Northern Cardinal	PIP
<i>Cardinalis sinuatus</i>	Pyrrhuloxia	PIP
<i>Carduelis tristis</i>	American Goldfinch	PIP
<i>Chondestes grammacus</i>	Lark Sparrow	PIP

<i>Dendroica caerulescens</i>	Black-throated Blue Warbler	PIP
<i>Dendroica castanea</i>	Bay-breasted Warbler	PIP
<i>Dendroica cerulea</i>	Cerulean Warbler	PIP
<i>Dendroica coronata</i>	Yellow-rumped Warbler	PIP
<i>Dendroica dominica</i>	Yellow-throated Warbler	PIP
<i>Dendroica fusca</i>	Blackburnian Warbler	PIP
<i>Dendroica magnolia</i>	Magnolia Warbler	PIP
<i>Dendroica nigrescens</i>	Black-throated Gray Warbler	PIP
<i>Dendroica palmarum</i>	Palm Warbler	PIP
<i>Dendroica pensylvanica</i>	Chestnut-sided Warbler	PIP
<i>Dendroica petechia</i>	Yellow Warbler	PIP
<i>Dendroica pinus</i>	Pine Warbler	PP
<i>Dendroica striata</i>	Blackpoll Warbler	PIP
<i>Dendroica tigrina</i>	Cape May Warbler	PIP
<i>Dendroica virens</i>	Black-throated Green Warbler	PIP
<i>Dolichonyx oryzivorus</i>	Bobolink	PIP
<i>Euphagus carolinus</i>	Rusty Blackbird	PIP
<i>Euphagus cyanocephalus</i>	Brewer's Blackbird	PIP
<i>Geothlypis trichas</i>	Common Yellowthroat	PIP
<i>Guiraca caerulea</i>	Blue Grosbeak	PIP
<i>Helmitheros vermivorus</i>	Worm-eating Warbler	PIP
<i>Icteria virens</i>	Yellow-breasted Chat	PIP
<i>Icterus bullockii</i>	Bullock's Oriole	PIP
<i>Icterus cucullatus</i>	Hooded Oriole	PIP
<i>Icterus galbula</i>	Baltimore Oriole, Northern Oriole	PIP
<i>Icterus gularis</i>	Altamira Oriole	PIP
<i>Icterus spurius</i>	Orchard Oriole	PIP
<i>Limnothlypis swainsonii</i>	Swainson's Warbler	PIP
<i>Melospiza georgiana</i>	Swamp Sparrow	PIP
<i>Melospiza lincolni</i>	Lincoln's Sparrow	PIP
<i>Melospiza melodia</i>	Song Sparrow	PIP

<i>Mniotilta varia</i>	Black-and-white Warbler	PIP
<i>Molothrus aeneus</i>	Bronzed Cowbird	PIP
<i>Molothrus ater</i>	Brown-headed Cowbird	PIP
<i>Oporornis agilis</i>	Connecticut Warbler	U
<i>Oporornis formosus</i>	Kentucky Warbler	PIP
<i>Oporornis philadelphia</i>	Mourning Warbler	PIP
<i>Parula americana</i>	Northern Parula	PIP
<i>Passerculus sandwichensis</i>	Savannah Sparrow	PIP
<i>Passerina amoena</i>	Lazuli Bunting	PIP
<i>Passerina ciris</i>	Painted Bunting	PIP
<i>Passerina cyanea</i>	Indigo Bunting	PIP
<i>Passerina versicolor</i>	Varied Bunting	PIP
<i>Pheucticus ludovicianus</i>	Rose-breasted Grosbeak	PIP
<i>Pheucticus melanocephalus</i>	Black-headed Grosbeak	PP
<i>Pipilo chlorurus</i>	Green-tailed Towhee	PIP
<i>Pipilo erythrophthalmus</i>	Eastern Towhee, Rufous-sided Towhee	PP
<i>Pipilo maculatus</i>	Spotted Towhee	PP
<i>Piranga bidentata</i>	Flame-colored Tanager	PIP
<i>Piranga flava</i>	Hepatic Tanager	U
<i>Piranga ludoviciana</i>	Western Tanager	PIP
<i>Piranga olivacea</i>	Scarlet Tanager	PIP
<i>Piranga rubra</i>	Summer Tanager	PIP
<i>Plectrophenax nivalis</i>	Snow Bunting	PIP
<i>Poocetes gramineus</i>	Vesper Sparrow	PIP
<i>Protonotaria citrea</i>	Prothonotary Warbler	PIP
<i>Quiscalus mexicanus</i>	Great-tailed Grackle	PIP
<i>Quiscalus quiscula</i>	Common Grackle	PIP
<i>Seiurus aurocapillus</i>	Ovenbird	PIP
<i>Seiurus motacilla</i>	Louisiana Waterthrush	PIP
<i>Seiurus noveboracensis</i>	Northern Waterthrush	PIP
<i>Setophaga ruticilla</i>	American Redstart	PIP
<i>Spiza americana</i>	Dickcissel	PIP
<i>Spizella atrogularis</i>	Black-chinned Sparrow	FR

<i>Spizella pallida</i>	Clay-colored Sparrow	PIP
<i>Spizella passerina</i>	Chipping Sparrow	PIP
<i>Spizella pusilla</i>	Field Sparrow	PIP
<i>Sturnella magna</i>	Eastern Meadowlark	PIP
<i>Sturnella neglecta</i>	Western Meadowlark	PIP
<i>Vermivora celata</i>	Orange-crowned Warbler	PIP
<i>Vermivora chrysoptera</i>	Golden-winged Warbler	PIP
<i>Vermivora peregrina</i>	Tennessee Warbler	PIP
<i>Vermivora pinus</i>	Blue-winged Warbler	PIP
<i>Vermivora ruficapilla</i>	Nashville Warbler	PIP
<i>Vermivora virginiae</i>	Virginia's Warbler	FR
<i>Wilsonia canadensis</i>	Canada Warbler	PIP
<i>Wilsonia citrina</i>	Hooded Warbler	PIP
<i>Wilsonia pusilla</i>	Wilson's Warbler	PIP
<i>Xanthocephalus xanthocephalus</i>	Yellow-headed Blackbird	PIP
<i>Zonotrichia albicollis</i>	White-throated Sparrow	PIP
<i>Zonotrichia leucophrys</i>	White-crowned Sparrow	PIP
<i>Hirundo pyrrhonota</i>	Cliff Swallow	PIP
<i>Hirundo rustica</i>	Barn Swallow	PIP
<i>Progne subis</i>	Purple Martin	PIP
<i>Riparia riparia</i>	Bank Swallow	PIP
<i>Stelgidopteryx serripennis</i>	Northern Rough-winged Swallow	PIP
<i>Tachycineta bicolor</i>	Tree Swallow	PIP
<i>Lanius ludovicianus</i>	Loggerhead Shrike	PIP
<i>Catharus fuscescens</i>	Veery	PIP
<i>Catharus guttatus</i>	Hermit Thrush	PIP
<i>Catharus minimus</i>	Gray-cheeked Thrush	PIP
<i>Catharus ustulatus</i>	Swainson's Thrush	PIP
<i>Hylocichla mustelina</i>	Wood Thrush	PIP
<i>Sialia sialis</i>	Eastern Bluebird	PIP
<i>Turdus migratorius</i>	American Robin	PIP
<i>Baeolophus atricristatus</i>	Black-crested Titmouse	PIP
<i>Anthus rubescens</i>	American Pipit	PIP
<i>Anthus spragueii</i>	Sprague's Pipit	PIP

<i>Passer domesticus</i>	House Sparrow	PIP
<i>Regulus calendula</i>	Ruby-crowned Kinglet	PIP
<i>Regulus satrapa</i>	Golden-crowned Kinglet	PIP
<i>Dumetella carolinensis</i>	Gray Catbird	PIP
<i>Mimus polyglottos</i>	Northern Mockingbird	PIP
<i>Oreoscoptes montanus</i>	Sage Thrasher	U
<i>Sturnus vulgaris</i>	European Starling	PIP
<i>Toxostoma curvirostre</i>	Curve-billed Thrasher	PIP
<i>Toxostoma longirostre</i>	Long-billed Thrasher	PIP
<i>Toxostoma rufum</i>	Brown Thrasher	PIP
<i>Contopus borealis</i>	Olive-sided Flycatcher	PIP
<i>Contopus sordidulus</i>	Western Wood-Pewee	U
<i>Contopus virens</i>	Eastern Wood-Pewee	PIP
<i>Empidonax alnorum</i>	Alder Flycatcher	PP
<i>Empidonax flaviventris</i>	Yellow-bellied Flycatcher	PIP
<i>Empidonax minimus</i>	Least Flycatcher	PIP
<i>Empidonax traillii</i>	Willow Flycatcher	PIP
<i>Empidonax virescens</i>	Acadian Flycatcher	PIP
<i>Myiarchus cinerascens</i>	Ash-throated Flycatcher	PIP
<i>Myiarchus crinitus</i>	Great Crested Flycatcher	PIP
<i>Myiarchus tyrannulus</i>	Brown-crested Flycatcher	PIP
<i>Myiodynastes luteiventris</i>	Sulphur-bellied Flycatcher	PIP
<i>Pitangus sulphuratus</i>	Great Kiskadee	PIP
<i>Pyrocephalus rubinus</i>	Vermilion Flycatcher	PIP
<i>Sayornis phoebe</i>	Eastern Phoebe	PIP
<i>Sayornis saya</i>	Say's Phoebe	PIP
<i>Tyrannus couchii</i>	Couch's Kingbird	PIP
<i>Tyrannus dominicensis</i>	Gray Kingbird	PIP
<i>Tyrannus forficatus</i>	Scissor-tailed Flycatcher	PIP
<i>Tyrannus melancholicus</i>	Tropical Kingbird	U
<i>Tyrannus savana</i>	Fork-tailed Flycatcher	PP
<i>Tyrannus tyrannus</i>	Eastern Kingbird	PIP
<i>Tyrannus verticalis</i>	Western Kingbird	PIP
<i>Tyrannus vociferans</i>	Cassin's Kingbird	PIP
<i>Vireo atricapillus</i>	Black-capped Vireo	U
<i>Vireo bellii</i>	Bell's Vireo	PIP

<i>Vireo flavifrons</i>	Yellow-throated Vireo	PIP
<i>Vireo flavoviridis</i>	Yellow-green Vireo	PP
<i>Vireo gilvus</i>	Warbling Vireo	PIP
<i>Vireo griseus</i>	White-eyed Vireo	PIP
<i>Vireo olivaceus</i>	Red-eyed Vireo	PIP
<i>Vireo philadelphicus</i>	Philadelphia Vireo	PIP
<i>Vireo solitarius</i>	Blue-headed Vireo, Solitary Vireo	PIP
<i>Colaptes auratus</i>	Northern Flicker	PIP
<i>Melanerpes aurifrons</i>	Golden-fronted Woodpecker	PIP
<i>Melanerpes erythrocephalus</i>	Red-headed Woodpecker	PIP
<i>Picoides scalaris</i>	Ladder-backed Woodpecker	PIP
<i>Sphyrapicus varius</i>	Yellow-bellied Sapsucker	PIP
<i>Caprimulgus carolinensis</i>	Chuck-will's-widow	PIP
<i>Caprimulgus vociferus</i>	Whip-poor-will	PIP
<i>Chordeiles acutipennis</i>	Lesser Nighthawk	PIP
<i>Chordeiles minor</i>	Common Nighthawk	PIP
<i>Nyctidromus albicollis</i>	Common Pauraque	PP
<i>Phalaenoptilus nuttallii</i>	Common Poorwill	PIP
<i>Asio flammeus</i>	Short-eared Owl	PIP
<i>Athene cunicularia</i>	Burrowing Owl	PIP
<i>Bubo virginianus</i>	Great Horned Owl	PIP
<i>Tyto alba</i>	Barn Owl, Common Barn-Owl	PIP
Scientific Name	Common Name	Park Status ¹
Fish		
<i>Albula vulpes</i>	bonefish	U
<i>Rhynchoconger flavus</i>	yellow conger	U
<i>Gymnothorax nigromarginatus</i>	blackedge moray	PP
<i>Myrophis punctatus</i>	speckled worm eel	PIP
<i>Membras martinica</i>	rough silverside	PIP
<i>Menidia beryllina</i>	inland silverside, tidewater silverside	PIP
<i>Menidia peninsulae</i>	tidewater silverside	PIP

<i>Synodus foetens</i>	inshore lizardfish	PIP
<i>Opsanus beta</i>	Gulf toadfish	PIP
<i>Strongylura marina</i>	Atlantic needlefish, silver gar	PIP
<i>Hemiramphus brasiliensis</i>	ballyhoo	PIP
<i>Hyporhamphus unifasciatus</i>	Atlantic silverstripe halfbeak, halfbeak, silverstripe halfbeak	PIP
<i>Carcharhinus acronotus</i>	blacknose shark	PIP
<i>Carcharhinus altimus</i>	bignose shark	PIP
<i>Carcharhinus brevipinna</i>	spinner shark	U
<i>Carcharhinus isodon</i>	finetooth shark	PIP
<i>Carcharhinus leucas</i>	bull shark	PIP
<i>Carcharhinus limbatus</i>	blacktip shark	PIP
<i>Carcharhinus obscurus</i>	dusky shark	PIP
<i>Carcharhinus plumbeus</i>	sandbar shark	PIP
<i>Carcharhinus signatus</i>	night shark	PIP
<i>Galeocerdo cuvier</i>	tiger shark	PIP
<i>Negaprion brevirostris</i>	lemon shark	PIP
<i>Rhizoprionodon terraenovae</i>	Atlantic sharpnose shark	PIP
<i>Sphyrna lewini</i>	scalloped hammerhead	PIP
<i>Sphyrna tiburo</i>	bonnethead, shovelhead	PIP
<i>Brevoortia patronus</i>	Gulf menhaden, largescale menhaden	PIP
<i>Dorosoma cepedianum</i>	American gizzard shad, eastern gizzard shad, gizzard shad, hickory shad, mud shad, skipjack	U
<i>Dorosoma petenense</i>	threadfin shad	U
<i>Harengula jaguana</i>	scaled herring, scaled sardine	PIP
<i>Opisthonema oglinum</i>	Atlantic thread herring	PIP
<i>Sardinella aurita</i>	round sardinella, Spanish sardine	PIP

<i>Anchoa hepsetus</i>	broad-striped anchovy, striped anchovy	PIP
<i>Anchoa lyolepis</i>	dusky anchovy, shortfinger anchovy	PIP
<i>Anchoa mitchilli</i>	bay anchovy	PIP
<i>Anchoviella perfasciata</i>	flat anchovy, Poey's anchovy	PIP
<i>Cyprinodon variegatus</i>	sheepshead minnow, sheepshead pupfish	PIP
<i>Fundulus grandis</i>	Gulf killifish	PIP
<i>Fundulus similis</i>	longnose killifish	PIP
<i>Lucania parva</i>	rainwater killifish	PIP
<i>Gambusia affinis</i>	mosquitofish, western mosquitofish	PIP
<i>Elops saurus</i>	ladyfish	PIP
<i>Megalops atlanticus</i>	tarpon	PIP
<i>Fistularia tabacaria</i>	bluespotted cornetfish, tobacco trumpetfish	E
<i>Hippocampus erectus</i>	lined seahorse, spotted seahorse	PIP
<i>Hippocampus zosterae</i>	dwarf seahorse, little seahorse, pygmy seahorse	PIP
<i>Syngnathus affinis</i>	Texas pipefish	PIP
<i>Syngnathus floridae</i>	dusky pipefish	PIP
<i>Syngnathus fuscus</i>	northern pipefish	PIP
<i>Syngnathus louisianae</i>	chain pipefish	PIP
<i>Syngnathus pelagicus</i>	sargassum pipefish	PIP
<i>Syngnathus scovelli</i>	Gulf pipefish	PIP
<i>Carcharodon carcharias</i>	great white shark, white shark	PIP
<i>Isurus oxyrinchus</i>	shortfin mako	PIP
<i>Carcharias taurus</i>	sand tiger, sand tiger shark	PIP
<i>Halieutichthys aculeatus</i>	pancake batfish	E
<i>Mugil cephalus</i>	black mullet, gray mullet, striped mullet	PIP
<i>Mugil curema</i>	silver mullet, white mullet	PIP
<i>Dasyatis centroura</i>	clam cracker, rougtail stingray, stingaree	PIP
<i>Dasyatis sabina</i>	Atlantic stingray	PIP

<i>Dasyatis say</i>	bluntnose stingray	PIP
<i>Myliobatis aquila</i>	spotted eagle ray	PIP
<i>Rhinoptera bonasus</i>	cownose ray	PIP
<i>Brotula barbata</i>	Atlantic bearded brotula, bearded brotula	PP
<i>Ophidion josephi</i>	crested cusk-eel	PIP
<i>Ginglymostoma cirratum</i>	nurse shark	PIP
<i>Caranx crysos</i>	blue runner	PIP
<i>Caranx hippos</i>	crevalle jack	PIP
<i>Caranx latus</i>	horse-eye jack	PIP
<i>Chloroscombrus chrysurus</i>	Atlantic bumper	PIP
<i>Elagatis bipinnulata</i>	rainbow runner	PIP
<i>Hemicaranx amblyrhynchus</i>	bluntnose jack	PIP
<i>Oligoplites saurus</i>	leatherjack, leatherjacket	PIP
<i>Selene setapinnis</i>	Atlantic moonfish	PP
<i>Selene vomer</i>	lookdown	PIP
<i>Seriola dumerili</i>	greater amberjack	U
<i>Seriola rivoliana</i>	almaco jack, Pacific amberjack	PIP
<i>Trachinotus carolinus</i>	Florida pompano	PIP
<i>Trachinotus falcatus</i>	permit	PIP
<i>Trachinotus goodei</i>	palometa	PIP
<i>Centropomus undecimalis</i>	common snook, snook	U
<i>Chaetodon sedentarius</i>	reef butterflyfish	E
<i>Coryphaena hippurus</i>	dolphin, dolphinfish	PIP
<i>Echeneis naucrates</i>	sharksucker	PP
<i>Chaetodipterus faber</i>	Atlantic spadefish	PIP
<i>Diapterus auratus</i>	Irish pompano	PIP
<i>Eucinostomus argenteus</i>	spotfin mojarra	PIP
<i>Eucinostomus gula</i>	silver jenny	U
<i>Gerres cinereus</i>	yellowfin mojarra	PIP
<i>Ulaema lefroyi</i>	longfinned silverbidy, longfinned silverbidy, mottled mojarra, mottled	PIP

	mojarra	
<i>Bollmannia communis</i>	ragged goby	PP
<i>Ctenogobius boleosoma</i>	darther goby	PIP
<i>Ctenogobius smaragdus</i>	emerald goby	PIP
<i>Gobionellus hastatus</i>	highfin goby	PIP
<i>Gobiosoma longipala</i>	twoscale goby	PIP
<i>Gobiosoma robustum</i>	code goby	PIP
<i>Conodon nobilis</i>	barred grunt	PIP
<i>Orthopristis chrysoptera</i>	pigfish	PIP
<i>Pomadasys crocro</i>	burro grunt	PIP
<i>Istiophorus albicans</i>	Atlantic sailfish	U
<i>Istiophorus platypterus</i>	Atlantic sailfish, bayonet fish, Indo-Pacific sailfish, sailfish	U
<i>Makaira nigricans</i>	Atlantic blue marlin, blue marlin, Cuban black marlin	U
<i>Kyphosus sectator</i>	Bermuda sea chub	PIP
<i>Lobotes surinamensis</i>	Atlantic tripletail, tripletail	PIP
<i>Lutjanus analis</i>	mutton snapper	U
<i>Lutjanus apodus</i>	schoolmaster, schoolmaster snapper	PIP
<i>Lutjanus campechanus</i>	northern red snapper, red snapper	U
<i>Lutjanus griseus</i>	gray snapper, grey snapper	PIP
<i>Lutjanus jocu</i>	dog snapper	PIP
<i>Lutjanus purpureus</i>	Caribbean red snapper, southern red snapper	E
<i>Lutjanus synagris</i>	lane snapper	PIP
<i>Ocyurus chrysurus</i>	yellowtail snapper	U
<i>Rhomboplites aurorubens</i>	vermillion snapper	U
<i>Polydactylus octonemus</i>	Atlantic threadfin	PIP
<i>Pomacanthus paru</i>	French angelfish	PIP

<i>Abudefduf saxatilis</i>	sergeant major	PIP
<i>Pomatomus saltatrix</i>	bluefish	PIP
<i>Rachycentron canadum</i>	cobia	PIP
<i>Bairdiella chrysoura</i>	silver perch	PIP
<i>Cynoscion arenarius</i>	sand seatrout	PIP
<i>Cynoscion nebulosus</i>	spotted seatrout	PIP
<i>Cynoscion nothus</i>	silver seatrout	PIP
<i>Leiostomus xanthurus</i>	spot	PIP
<i>Menticirrhus americanus</i>	jewsharp drummer, southern kingfish	PIP
<i>Menticirrhus littoralis</i>	Gulf kingfish	PIP
<i>Menticirrhus saxatilis</i>	Gulf minkfish, northern kingfish	PIP
<i>Micropogonias undulatus</i>	Atlantic croaker	PIP
<i>Pareques acuminatus</i>	high-hat	E
<i>Pogonias cromis</i>	black drum	PIP
<i>Sciaenops ocellatus</i>	red drum	PIP
<i>Stellifer lanceolatus</i>	star drum	U
<i>Umbrina coroides</i>	sand drum	PIP
<i>Acanthocybium solandri</i>	wahoo	U
<i>Euthynnus alletteratus</i>	false albacore, little tuna, little tunny	U
<i>Katsuwonus pelamis</i>	Arctic bonito, mushmouth, oceanic bonito, skipjack, skipjack tuna, striped tuna, victor fish	U
<i>Sarda sarda</i>	Atlantic bonito, bloater, bone jack, Boston mackerel, common bonito	U
<i>Scomberomorus cavalla</i>	king mackerel	U
<i>Scomberomorus maculatus</i>	Atlantic Spanish mackerel, Spanish mackerel	PIP
<i>Scomberomorus regalis</i>	cero, painted mackerel	PIP
<i>Thunnus albacares</i>	yellowfin tuna	U

<i>Thunnus atlanticus</i>	blackfin tuna	U
<i>Thunnus thynnus</i>	Atlantic bluefin tuna, bluefin tuna, horse mackerel, northern bluefin tuna	U
<i>Epinephelus adscensionis</i>	rock hind	U
<i>Epinephelus striatus</i>	Nassau grouper	U
<i>Mycteroperca bonaci</i>	black grouper	U
<i>Mycteroperca interstitialis</i>	yellowmouth grouper	U
<i>Mycteroperca microlepis</i>	charcoal belly, gag	U
<i>Archosargus probatocephalus</i>	sheepshead	PIP
<i>Lagodon rhomboides</i>	pinfish	PIP
<i>Sphyaena barracuda</i>	great barracuda	U
<i>Sphyaena borealis</i>	northern sennet	PIP
<i>Sphyaena guachancho</i>	guaguanche	PIP
<i>Peprilus burti</i>	Gulf butterflyfish	PIP
<i>Peprilus triacanthus</i>	butterfish	E
<i>Trichiurus lepturus</i>	Atlantic cutlassfish, Australian hairtail, largehead hairtail	PIP
<i>Astroscopus y-graecum</i>	southern stargazer	PIP
<i>Xiphias gladius</i>	broadbill, swordfish	U
<i>Achirus lineatus</i>	lined sole	PIP
<i>Symphurus civitatum</i>	offshore tonguefish	E
<i>Symphurus plagiusa</i>	blackcheek tonguefish	PIP
<i>Ancylosetta ommata</i>	Gulf of Mexico ocellated flounder	E
<i>Citharichthys spilopterus</i>	bay whiff	PIP
<i>Etropus crossotus</i>	fringed flounder	PIP
<i>Paralichthys albigutta</i>	Gulf flounder	U
<i>Paralichthys lethostigma</i>	southern flounder	PIP
<i>Paralichthys squamilentus</i>	broad flounder	PIP
<i>Pristis pristis</i>	common sawfish, largetooth sawfish, sawfish	PIP
<i>Raja texana</i>	roundel skate	U

<i>Rhinobatos lentiginosus</i>	Atlantic guitarfish	PIP
<i>Scorpaena calcarata</i>	smoothhead scorpionfish	E
<i>Prionotus paralatus</i>	Mexican searobin	E
<i>Prionotus pectoralis</i>	North American searobin	E
<i>Prionotus rubio</i>	blackfin searobin, blackwing searobin	E
<i>Prionotus tribulus</i>	bighead searobin	PIP
<i>Ariopsis felis</i>	Hardhead catfish	PIP
<i>Bagre marinus</i>	gafftopsail catfish	PIP
<i>Balistes capriscus</i>	gray triggerfish	PIP
<i>Chilomycterus schoepfii</i>	burrfish, porcupinefish, striped burrfish	PIP
<i>Masturus lanceolatus</i>	sharptail mola, sharptail sunfish	PIP
<i>Aluterus schoepfii</i>	orange filefish	PIP
<i>Stephanolepis hispida</i>	planehead filefish	PIP
<i>Lagocephalus laevigatus</i>	smooth puffer	E
<i>Sphoeroides parvus</i>	least puffer	PIP
<i>Narcine brasiliensis</i>	lesser electric ray	U
Scientific Name	Common Name	Park Status1
Mammals		
<i>Bos taurus</i>	aurochs, domestic cattle (feral), domesticated cattle	H
<i>Boselaphus tragocamelus</i>	nilgai	PIP
<i>Odocoileus virginianus</i>	white-tailed deer	PIP
<i>Sus scrofa</i>	pig, pig (feral), wild boar	E
<i>Pecari tajacu</i>	collared peccary, javelina	E
<i>Canis latrans</i>	coyote	PIP
<i>Canis lupus familiaris X latrans</i>	gray wolf	H
<i>Canis rufus</i>	red wolf	H
<i>Urocyon cinereoargenteus</i>	common gray fox, gray fox	PIP
<i>Felis catus</i>	domestic cat	E
<i>Leopardus pardalis</i>	ocelot	U
<i>Lynx rufus</i>	bobcat	PP

<i>Panthera onca</i>	jaguar	U
<i>Puma concolor</i>	mountain lion, puma	U
<i>Conepatus leuconotus</i>	eastern hog-nosed skunk	U
<i>Mephitis mephitis</i>	striped skunk	U
<i>Spilogale putorius</i>	eastern spotted skunk, spotted skunk	U
<i>Taxidea taxus</i>	American badger, badger	PIP
<i>Monachus tropicalis</i>	Caribbean monk seal, West Indian monk seal	FR
<i>Nasua narica</i>	white-nosed coati	PP
<i>Procyon lotor</i>	common raccoon, northern raccoon, raccoon	PIP
<i>Balaena glacialis</i>	North Atlantic Right Whale	PP
<i>Balaenoptera acutorostrata</i>	minke whale, northern minke whale	PP
<i>Balaenoptera brydei</i>	Bryde's whale	PP
<i>Balaenoptera musculus</i>	blue whale	U
<i>Balaenoptera physalus</i>	fin whale, finback whale	E
<i>Megaptera novaeangliae</i>	humpback whale	E
<i>Delphinus delphis</i>	common dolphin, saddle-backed dolphin, short-beaked common dolphin, short-beaked saddle-backed dolphin, short-beaked saddleback dolphin	FR
<i>Feresa attenuata</i>	pygmy killer whale	PP
<i>Globicephala macrorhynchus</i>	short-finned pilot whale	PIP
<i>Grampus griseus</i>	grampus, Risso's dolphin	PP
<i>Orcinus orca</i>	killer whale, orca	PIP
<i>Peponocephala electra</i>	melon-headed whale	PP
<i>Pseudorca crassidens</i>	false killer whale	PP
<i>Stenella attenuata</i>	pantropical spotted dolphin	PIP
<i>Stenella clymene</i>	Clymene dolphin, short-snouted spinner dolphin	PIP
<i>Stenella coeruleoalba</i>	striped dolphin	PP
<i>Stenella frontalis</i>	Atlantic spotted dolphin	PIP

<i>Stenella longirostris</i>	long-snouted spinner dolphin, spinner dolphin	PIP
<i>Steno bredanensis</i>	rough-toothed dolphin	PP
<i>Tursiops truncatus</i>	bottlenose dolphin, bottlenosed dolphin	PIP
<i>Kogia breviceps</i>	pygmy sperm whale	PP
<i>Kogia sima</i>	dwarf sperm whale	PP
<i>Physeter macrocephalus</i>	sperm whale	PP
<i>Mesoplodon densirostris</i>	Blainville's beaked whale, dense-beaked whale, densebeak whale	PP
<i>Mesoplodon europaeus</i>	Gervais' beaked whale, Gervais's beaked whale	PIP
<i>Ziphius cavirostris</i>	Cuvier's beaked whale, goose-beaked whale, goosebeak whale	E
<i>Tadarida brasiliensis</i>	Brazilian free-tailed bat	PIP
<i>Lasiurus borealis</i>	eastern red bat, red bat	E
<i>Lasiurus cinereus</i>	hoary bat	E
<i>Lasiurus intermedius</i>	northern yellow bat	U
<i>Lasiurus seminolus</i>	Seminole bat	E
<i>Nycticeius humeralis</i>	evening bat	E
<i>Pipistrellus subflavus</i>	eastern pipistrelle	PP
<i>Didelphis virginiana</i>	Virginia opossum	PP
<i>Cryptotis parva</i>	bee shrew, least shrew, little short-tailed shrew, small short-tailed shrew	E
<i>Scalopus aquaticus</i>	eastern mole, topos	PIP
<i>Lepus californicus</i>	black-tailed jack rabbit, black-tailed jackrabbit	PIP
<i>Sylvilagus floridanus</i>	eastern cottontail	U
<i>Equus caballus</i>	horse, horse (feral)	H
<i>Myocastor coypus</i>	coypu, nutria	E
<i>Geomys personatus</i>	Texas pocket gopher	PIP
<i>Chaetodipus hispidus</i>	hispid pocket mouse	H
<i>Dipodomys compactus</i>	Gulf Coast kangaroo rat	PIP
<i>Perognathus merriami</i>	Merriam's pocket mouse	H
<i>Baiomys taylori</i>	northern pygmy mouse	PIP
<i>Mus musculus</i>	house mouse	PIP

<i>Neotoma micropus</i>	southern plains woodrat	FR
<i>Ondatra zibethicus</i>	muskbeaver, muskrat	E
<i>Onychomys leucogaster</i>	northern grasshopper mouse	PIP
<i>Oryzomys couesi</i>	Coues' rice rat, Coues's rice rat	E
<i>Oryzomys palustris</i>	marsh rice rat	PIP
<i>Peromyscus leucopus</i>	white-footed mouse	E
<i>Peromyscus maniculatus</i>	deer mouse	E
<i>Rattus norvegicus</i>	Norway rat	U
<i>Rattus rattus</i>	black rat	PIP
<i>Reithrodontomys fulvescens</i>	fulvous harvest mouse	PIP
<i>Sigmodon hispidus</i>	hispid cotton rat	PIP
<i>Sciurus niger</i>	eastern fox squirrel, fox squirrel	E
<i>Spermophilus mexicanus</i>	Mexican ground squirrel	FR
<i>Spermophilus spilosoma</i>	spotted ground squirrel	PIP
<i>Trichechus manatus</i>	Antillean manatee, Caribbean manatee, Florida manatee, manatee, West Indian manatee	E
<i>Dasypus novemcinctus</i>	long-nosed armadillo, nine-banded armadillo	PIP
Scientific Name	Common Name	Park Status¹
Reptiles		
<i>Alligator mississippiensis</i>	alligator, American Alligator, Florida alligator, gator, Louisiana alligator, Mississippi alligator	PIP
<i>Ophisaurus attenuatus</i>	Slender Glass Lizard	PIP
<i>Arizona elegans arenicola</i>	Texas Glossy Snake	PIP
<i>Cemophora coccinea lineri</i>	Texas Scarlet Snake	PIP
<i>Coluber constrictor</i>	Racer	PIP
<i>Drymarchon corais erebennus</i>	Texas Indigo Snake	H
<i>Elaphe emoryi</i>	Great Plains Rattlesnake	PIP

<i>Elaphe obsoleta lindheimerii</i>	Texas Rat Snake	U
<i>Heterodon platirhinos</i>	Eastern Hog-nosed Snake	PIP
<i>Lampropeltis triangulum annulata</i>	Mexican Milk Snake	PIP
<i>Masticophis flagellum testaceus</i>	Western Coachwhip	PIP
<i>Natrix fasciata clarki</i>	gulf salt marsh snake	U
<i>Natrix rhombifer rhombifer</i>	daimond-backed water snake	U
<i>Nerodia rhombifer</i>	Diamondback Water Snake	PIP
<i>Sonora episcopa taylori</i>	Sonoran ground snake	U
<i>Tantilla gracilis</i>	Flat-headed Snake	PIP
<i>Thamnophis marcianus</i>	Checkered Garter Snake	PIP
<i>Thamnophis marcianus marcianus</i>	Checkered Garter Snake	PIP
<i>Thamnophis proximus orarius</i>	Gulf Coast Ribbon Snake	PIP
<i>Tropidoclonion lineatum</i>	Lined Snake	U
<i>Hemidactylus turcicus</i>	Mediterranean Gekko, Mediterranean House Gecko	PIP
<i>Leptotyphlops dulcis dulcis</i>	Plains Blind Snake	U
<i>Holbrookia lacerata subcaudalis</i>	Southern Earless Lizard, Southern Spot-tailed Earless Lizard	U
<i>Holbrookia propinqua propinqua</i>	Keel-scaled Earless Lizard, Keeled Earless Lizard, Northern Keeled Earless Lizard	PIP
<i>Phrynosoma cornutum</i>	Texas Horned Lizard	H
<i>Anolis carolinensis</i>	Green Anole	U
<i>Eumeces obsoletus</i>	Great Plains Skink	PIP
<i>Lygosoma laterale</i>	Ground skink	U
<i>Scincella lateralis</i>	Ground Skink, Little Brown Skink	PIP
<i>Aspidoscelis sexlineatus</i>	six-lined Racerunner	PIP
<i>Cnemidophorus gularis</i>	Texas Spotted Whiptail	U

<i>Agkistrodon piscivorus leucostoma</i>	Western Cottonmouth	PIP
<i>Crotalus atrox</i>	Western Diamond-backed Rattlesnake, Western Diamondback Rattlesnake	PIP
<i>Sistrurus catenatus</i>	Massasauga	PIP
<i>Caretta caretta</i>	Loggerhead, loggerhead sea turtle	PIP
<i>Chelonia mydas mydas</i>	Atlantic green turtle	U
<i>Eretmochelys imbricata imbricata</i>	Atlantic hawksbill, Atlantic Hawksbill Seaturtle, Atlantic hawksbill turtle	U
<i>Lepidochelys kempi</i>	Kemp's Ridley sea turtle	PIP
<i>Chelydra serpentina serpentina</i>	Common Snapping Turtle	PIP
<i>Dermochelys coriacea coriacea</i>	Leatherback Turtle	U
<i>Malaclemys terrapin littoralis</i>	Texas Diamondback Terripin	U
<i>Trachemys scripta elegans</i>	Red-eared Slider	PIP
<i>Kinosternon flavescens</i>	Yellow Mud Turtle	U
<i>Gopherus berlandieri</i>	Berlandier's tortoise, Texas Tortoise	FR
Scientific Name	Common Name	Park Status1
Vascular Plants		
<i>Echinodorus berteroi</i>	upright burhead, upright burrhead	PIP
<i>Centella erecta</i>	erect centella	PIP
<i>Hydrocotyle bonariensis</i>	largeleaf pennywort	PIP
<i>Hydrocotyle umbellata</i>	manyflower marshpennywort, umbrella pennyroyal	PIP
<i>Manicaria saccifera</i>	Sea coconut, golf ball	FR
<i>Obignyias cohune</i>	Palm tree	FR
<i>Ambrosia artemisiifolia</i>	annual ragweed, common ragweed, low ragweed, ragweed, Roman wormwood, short ragweed, small ragweed	PIP

<i>Ambrosia psilostachya</i>	Cuman ragweed, perennial ragweed, western ragweed	PIP
<i>Amphiachyris dracunculoides</i>	common broomweed, prairie broomweed	PIP
<i>Aphanostephus skirrhobasis</i>	Arkansas dozedaisy	PIP
<i>Aphanostephus skirrhobasis var. thalassius</i>	Arkansas dozedaisy	PIP
<i>Baccharis neglecta</i>	Roosevelt-weed, Rooseveltweed	PIP
<i>Baccharis salicina</i>	Great Plains false willow, Great Plains falsewillow, willow baccharis	U
<i>Borrchia frutescens</i>	bushy seaoxeye, bushy seaside tansy	PIP
<i>Centaurea americana</i>	American basketflower, American star thistle, American star-thistle	PIP
<i>Chloracantha spinosa</i>	devilweed aster, Mexican devilweed, spiny aster, spiny chloracantha	PIP
<i>Chrysopsis pilosa</i>	soft goldenaster	PIP
<i>Cirsium horridulum</i>	yellow thistle	PIP
<i>Cirsium horridulum var. elliotii</i>	Yellow thistle	PIP
<i>Cirsium texanum</i>	Texas thistle	PIP
<i>Conoclinium betonicifolium</i>	betonyleaf thoroughwort	PIP
<i>Conyza canadensis</i>	Canada horseweed, Canadian horseweed, horseweed, horseweed fleabane, mares tail, marestail	PIP
<i>Conyza ramosissima</i>	branching conyza, dwarf horseweed	U
<i>Coreopsis tinctoria</i>	golden tickseed, plains coreopsis, plains tickseed	PIP
<i>Croptilon divaricatum</i>	goldenweed, slender scratchdaisy	PIP
<i>Croptilon rigidifolium</i>	stiffleaf scratchdaisy	PIP
<i>Dyssodia pentachaeta</i>	Five-needle pricklyleaf	PIP

<i>Dyssodia tenuiloba</i>	Bristleleaf dogweed	PIP
<i>Eclipta prostrata</i>	eclipta, false daisy, yerba de tajo, yerba de tajo	PIP
<i>Erigeron procumbens</i>	Corpus Christi fleabane	PIP
<i>Eupatorium compositifolium</i>	dogfennel eupatorium, yankeeweed	PIP
<i>Euthamia leptoccephala</i>	bushy goldentop	PIP
<i>Evax verna</i>	spring pygmy-cudweed, spring pygmycudweed	PIP
<i>Flaveria brownii</i>	Brown's yellowtops	PIP
<i>Gaillardia aestivalis</i>	lanceleaf blanketflower, lanceleaf gaillardia	PIP
<i>Gaillardia pulchella</i>	firewheel, Indian blanket, Indianblanket, rosering gaillardia	PIP
<i>Gamochaeta falcata</i>	narrowleaf purple everlasting	PIP
<i>Gamochaeta pennsylvanica</i>	Pennsylvania everlasting	PIP
<i>Gutierrezia texana</i>	Texas broomweed, Texas snakeweed	PIP
<i>Helenium amarum var. amarum</i>	yellowdicks	PIP
<i>Helianthus annuus</i>	annual sunflower, common sunflower, sunflower, wild sunflower	PIP
<i>Helianthus argophyllus</i>	silverleaf sunflower	PIP
<i>Helianthus debilis</i>	cucumberleaf sunflower	PIP
<i>Helianthus debilis ssp. cucumerifolius</i>	cucumberleaf sunflower	PIP
<i>Helianthus praecox ssp. runyonii</i>	Runyon's sunflower	PIP
<i>Heterotheca subaxillaris</i>	camphorweed, golden aster	PIP
<i>Iva angustifolia</i>	narrowleaf marshelder, Narrowleaf sumpweed	PIP
<i>Iva annua</i>	annual marsh-elder, annual marshelder, seacoast sumpweed	PIP
<i>Iva imbricata</i>	seacoast marshelder	PIP
<i>Iva texensis</i>	narrowleaf sumpweed, Texas marshelder	PIP

<i>Krigia occidentalis</i>	western dwarfdandelion	PIP
<i>Liatris elegans</i>	pinkscale blazing star, pinkscale gayfeather	PP
<i>Liatris elegans var. elegans</i>	pinkscale blazing star, pinkscale gayfeather	U
<i>Machaeranthera phyllocephala</i>	camphor daisy	PIP
<i>Palafoxia hookeriana</i>	sand palafox, showy palafoxia	PIP
<i>Palafoxia rosea var. rosea</i>	rosy palafox	U
<i>Palafoxia texana</i>	Texas palafox	PIP
<i>Palafoxia texana var. ambigua</i>	Texas palafox	PIP
<i>Pluchea purpurascens</i>	sweetscent	PIP
<i>Ratibida peduncularis</i>	naked Mexicanhat, naked prairie coneflower	PIP
<i>Rudbeckia hirta var. angustifolia</i>	blackeyed Susan	PIP
<i>Rudbeckia hirta var. pulcherrima</i>	blackeyed Susan	PIP
<i>Senecio riddellii</i>	Riddell groundsel, Riddell ragwort, Riddell's ragwort, Sand groundsel	PIP
<i>Solidago odora var. odora</i>	anisescented goldenrod	PIP
<i>Solidago sempervirens</i>	seaside goldenrod	PIP
<i>Sonchus asper</i>	perennial sowthistle, prickly sowthistle, spiny sowthistle, spiny-leaf sow-thistle	PIP
<i>Sonchus oleraceus</i>	annual sowthistle, common sow-thistle, common sowthistle, pualele, sow thistle, sow-thistle	PIP
<i>Symphotrichum divaricatum</i>	southern annual saltmarsh aster	PIP
<i>Symphotrichum subulatum</i>	eastern annual saltmarsh aster	PIP

<i>Tetragonotheca repanda</i>	showy nerveray	PIP
<i>Thelesperma filifolium</i>	greenthread, plains greenthread, stiff greenthread	PIP
<i>Thelesperma nuecense</i>	Rio Grande greenthread	PIP
<i>Verbesina encelioides</i>	golden crownbeard	PIP
<i>Xanthium strumarium</i>	cocklebur, cockleburr, common cocklebur, rough cocklebur, rough cockleburr	PIP
<i>Batis maritima</i>	saltwort, turtleweed	PIP
<i>Triodanis perfoliata</i>	clasping bellwort, clasping Venus' looking-glass, clasping Venus' lookingglass, clasping venuslookingglass, clasping-leaf venus'-looking-glass, common Venus' lookingglass, roundleaved triodanis, Venus lookingglass	PIP
<i>Scaevola plumieri</i>	gullfeed	PIP
<i>Cakile edentula</i>	American searocket	U
<i>Cakile geniculata</i>	gulf searocket	PIP
<i>Cakile lanceolata</i> ssp. <i>pseudoconstricta</i>	coastal searocket	PIP
<i>Lepidium lasiocarpum</i>	hairypod pepperweed, shaggyfruit pepperweed	PIP
<i>Lepidium lasiocarpum</i> var. <i>wrightii</i>	Wright pepperweed, Wright's pepperweed	PIP
<i>Lepidium virginicum</i>	peppergrass, poorman pepperweed, poorman's pepper, poorman's-pepperwort, Virginia pepperweed, Virginian peppergrass	PIP
<i>Rorippa nasturtium-aquaticum</i>	watercress	PIP
<i>Polanisia erosa</i> ssp. <i>breviglandulosa</i>	large clammyweed	PIP
<i>Sesuvium maritimum</i>	slender seapurslane	PIP

<i>Sesuvium portulacastrum</i>	shoreline seapurslane	PIP
<i>Sesuvium trianthemoides</i>	Texas seapurslane	U
<i>Sesuvium verrucosum</i>	sea purslane, verrucose seapurslane, verrucose seapurslane, western seapurslane	PIP
<i>Trianthema portulacastrum</i>	desert horse-purslane, desert horsepurslane, horse purslane	PIP
<i>Amaranthus arenicola</i>	sandhill amaranth, torrey amaranth	PIP
<i>Amaranthus blitum</i> ssp. <i>emarginatus</i> var. <i>pseudogracilis</i>	Purple amaranth	PIP
<i>Amaranthus greggii</i>	Gregg's amaranth	PIP
<i>Amaranthus polygonoides</i>	tropical amaranth	PIP
<i>Amaranthus viridis</i>	slender amaranth	PIP
<i>Blutaparon vermiculare</i>	silverhead	PIP
<i>Celosia nitida</i>	West Indian cock's comb	PIP
<i>Froelichia drummondii</i>	Drummond's snakecotton, Snake cotton	PIP
<i>Froelichia floridana</i>	cottonweed, field snakecotton, Florida snakecotton, plains snakecotton, prairie froelichia	PIP
<i>Froelichia floridana</i> var. <i>floridana</i>	plains snakecotton	PIP
<i>Tidestromia lanuginosa</i>	honeymat, woolly tidestromia, woolly tidestromia	PIP
<i>Opuntia engelmannii</i> var. <i>lindheimeri</i>	Texas prickly pear, Texas pricklypear	PIP
<i>Opuntia humifusa</i> var. <i>humifusa</i>	devil's-tongue, pricklypear	PIP
<i>Opuntia macrorhiza</i> var. <i>macrorhiza</i>	bigflower pricklypear, twistspine pricklypear	PIP
<i>Opuntia stricta</i>	erect pricklypear	PIP

<i>Silene antirrhina</i>	catchfly, sleepy campion, sleepy catchfly, sleepy silene	PIP
<i>Spergularia echinosperma</i>	bristleseed sandspurry	PIP
<i>Spergularia marina</i>	Saltmarsh sandspurry	PIP
<i>Atriplex arenaria</i>	Crested saltbush	PIP
<i>Atriplex matamorensis</i>	Matamoros saltbush	PIP
<i>Atriplex pentandra</i>	crested saltbush	PIP
<i>Atriplex texana</i>	Texas saltbush	PIP
<i>Chenopodium album</i>	common lambsquarters, lambsquarters, lambsquarters goosefoot, white goosefoot	PIP
<i>Chenopodium ambrosioides</i>	Mexican tea, Mexican-tea	PIP
<i>Chenopodium berlandieri</i>	netseed lambsquarters, pigseed goosefoot, pit-seed goosefoot, pitseed goosefoot	PIP
<i>Salicornia bigelovii</i>	dwarf saltwort	PIP
<i>Salicornia virginica</i>	Virginia glasswort	PIP
<i>Suaeda conferta</i>	beach seepweed	PIP
<i>Suaeda linearis</i>	annual seepweed	PIP
<i>Suaeda tampicensis</i>	coastal seepweed	PIP
<i>Mollugo verticillata</i>	carpetweed, green carpetweed	PIP
<i>Boerhavia coccinea</i>	scarlet spiderling	PIP
<i>Boerhavia diffusa</i>	red spiderling	PP
<i>Mirabilis albida</i>	mountain four-o'clock, white four o'clock, white four-o'clock, white fourclock	PIP
<i>Phytolacca americana</i> var. <i>americana</i>	American pokeweed	PIP
<i>Portulaca oleracea</i> ssp. <i>oleracea</i>	little hogweed	PIP
<i>Portulaca pilosa</i>	chisme, kiss me quick, kiss-me-quick	PIP
<i>Talinum parviflorum</i>	prairie flameflower, sunbright, sunbright talinum	PIP
<i>Calatola costaricensis</i>	Haguey, Jaguey	FR

<i>Commelina erecta</i>	erect dayflower, whitemouth dayflower	PIP
<i>Commelina erecta</i> var. <i>angustifolia</i>	whitemouth dayflower	PIP
<i>Commelina erecta</i> var. <i>erecta</i>	whitemouth dayflower	PIP
<i>Tradescantia humilis</i>	Texas spiderwort	PIP
<i>Xyris jupicai</i>	Richard's yelloweyed grass	PIP
<i>Cyperus croceus</i>	Baldwin's flatsedge	PIP
<i>Cyperus echinatus</i>	globe flatsedge	PIP
<i>Cyperus esculentus</i>	chufa, chufa flatsedge, yellow nutgrass, yellow nutsedge	PIP
<i>Cyperus haspan</i>	haspan flatsedge	PIP
<i>Cyperus polystachyos</i>	manyspike flatsedge	PIP
<i>Cyperus pseudothyrsiflorus</i>	One-flower flatsedge	PIP
<i>Cyperus retroflexus</i> var. <i>retroflexus</i>	One-flower flatsedge	PIP
<i>Cyperus retrorsus</i>	pine barren flatsedge	PIP
<i>Cyperus rotundus</i>	chaguan humatag, cocoglass, kili'o'opu, nutgrass, pakopako, purple nutsedge	PIP
<i>Cyperus squarrosus</i> var. <i>squarrosus</i>	Bearded flatsedge	PIP
<i>Cyperus surinamensis</i>	tropical flatsedge	PIP
<i>Eleocharis albida</i>	white spikerush	PIP
<i>Eleocharis atropurpurea</i>	purple spikerush	PIP
<i>Eleocharis cellulosa</i>	Gulf Coast spikerush, Gulfcoast spikesedge	PIP
<i>Eleocharis flavescens</i> var. <i>flavescens</i>	yellow spikerush	PIP
<i>Eleocharis geniculata</i>	Canada spikesedge	PIP
<i>Eleocharis interstincta</i>	knotted spikerush	PIP
<i>Eleocharis minima</i> var. <i>minima</i>	Small spikerush	PIP
<i>Eleocharis montevidensis</i>	sand spikerush	PIP

<i>Eleocharis parvula</i>	dwarf spikerush, dwarf spikesedge, little-head spike-rush, little-head spikerush	PIP
<i>Fimbristylis caroliniana</i>	Carolina fimbry	PIP
<i>Fimbristylis castanea</i>	marsh fimbry, saltmarsh fimbristylis	PIP
<i>Fuirena scirpoidea</i>	southern umbrella-sedge, southern umbrellasedge	PIP
<i>Fuirena simplex</i>	western umbrella-sedge, western umbrellasedge	PIP
<i>Lipocarpa micrantha</i>	dwarf bulrush, small-flower halfchaff sedge, smallflower halfchaff sedge, smallflower hemicarpha	PIP
<i>Rhynchospora colorata</i>	starrush whitetop	PIP
<i>Schoenoplectus americanus</i>	American bulrush, chairmaker's bulrush, Olney bulrush, Schoenoplectus	PIP
<i>Schoenoplectus erectus ssp. raynalii</i>	sharpscale bulrush	PIP
<i>Schoenoplectus pungens var. longispicatus</i>	common threesquare	PIP
<i>Schoenoplectus pungens var. pungens</i>	common threesquare	PIP
<i>Schoenoplectus saximontanus</i>	Rocky Mountain bulrush	PIP
<i>Andropogon gerardii</i>	big bluestem, bluejoint, turkeyfoot	PIP
<i>Andropogon glomeratus</i>	bushy bluestem	PIP
<i>Andropogon ternarius</i>	splitbeard bluestem	PIP
<i>Andropogon virginicus</i>	broomsedge, broomsedge bluestem, yellow bluestem	PIP
<i>Aristida longispica var. geniculata</i>	red threeawn, slimspike threeawn	PIP
<i>Aristida oligantha</i>	Oldfield (Prairie) 3-awn, oldfield threeawn, prairie threeawn	PIP
<i>Aristida purpurea var. purpurea</i>	purple threeawn	PIP
<i>Arundo donax</i>	giant reed, giantreed	PIP

<i>Avena fatua</i>	flaxgrass, oatgrass, wheat oats, wild oat, wild oats	PIP
<i>Avena fatua var. sativa</i>	Common oats	PP
<i>Bothriochloa barbinodis var. barbinodis</i>	cane bluestem	PIP
<i>Bothriochloa ischaemum var. songarica</i>	king ranch bluestem, yellow bluestem	PIP
<i>Bothriochloa laguroides ssp. torreyana</i>	silver beardgrass, silver bluestem	PIP
<i>Bromus catharticus</i>	rescue brome, rescue grass, rescuegras, rescuegrass	PIP
<i>Cenchrus echinatus</i>	burggrass, common sandbur, field sandbur, konpeito-gusa, sandburr, se mbulabula, southern sandbur, vao tui tui	PIP
<i>Cenchrus spinifex</i>	coastal sandbur	PIP
<i>Chloris andropogonoides</i>	slimspike wind millgrass, slimspike windmill grass	PP
<i>Chloris canterai var. canterai</i>	Paraguayan windmill grass	PIP
<i>Chloris cucullata</i>	hooded windmill grass, hooded windmillgrass	PIP
<i>Chloris gayana</i>	Rhodes grass, rhodesgrass	PIP
<i>Chloris polydactyla</i>	Tall windmillgrass	FR
<i>Chloris verticillata</i>	tumble windmill grass, Tumble Windmillgrass, windmillgrass	PIP
<i>Cynodon dactylon var. dactylon</i>	bermudagrass	PIP
<i>Dactyloctenium aegyptium</i>	crowfoot grass, Durban crowsfoot grass, Egyptian grass	PIP
<i>Dichanthium annulatum</i>	kleberg bluestem, Kleberg's bluestem	PIP
<i>Dichanthium aristatum</i>	Angleton bluestem	PP
<i>Digitaria arenicola</i>	green sprangletop, sand crabgrass, sand witchgrass	PIP
<i>Digitaria bicornis</i>	Asian crabgrass	PIP

<i>Digitaria cognata</i>	Carolina cottontop, Carolina crabgrass	PIP
<i>Digitaria sanguinalis</i>	Crabgrass, hairy crab grass, hairy crabgrass, large crabgrass, purple crabgrass, redhair crabgrass	PIP
<i>Digitaria texana</i>	Texas crabgrass	PIP
<i>Distichlis spicata</i>	desert saltgrass, inland saltgrass, marsh spikegrass, saltgrass, seashore saltgrass	PIP
<i>Echinochloa crus-galli</i> var. <i>crus-galli</i>	large barnyardgrass	PIP
<i>Echinochloa crus-pavonis</i>	gulf cock's-spur grass, gulf cockspur grass	PIP
<i>Echinochloa walteri</i>	coast cockspur, coast cockspur grass, walter's barnyard grass	PIP
<i>Eragrostis barrelieri</i>	Mediterranean lovegrass	PIP
<i>Eragrostis capillaris</i>	lace grass, lacegrass	PIP
<i>Eragrostis curtipedicellata</i>	gummy lovegrass	PIP
<i>Eragrostis intermedia</i> var. <i>intermedia</i>	Plains lovegrass	PIP
<i>Eragrostis lugens</i>	mourning lovegrass	PIP
<i>Eragrostis pectinacea</i>	purple love grass, purple lovegrass, spreading lovegrass, tufted lovegrass	PIP
<i>Eragrostis secundiflora</i> ssp. <i>oxylepis</i>	red lovegrass	PIP
<i>Eragrostis sessilispica</i>	tumble lovegrass	PIP
<i>Eragrostis spectabilis</i>	petticoat-climber, purple lovegrass	PIP
<i>Eustachys petraea</i>	pinewoods fingergrass	PIP
<i>Hordeum pusillum</i>	little barley, little wildbarley	PIP
<i>Leersia hexandra</i>	southern cutgrass	PIP
<i>Leptochloa dubia</i>	green sprangletop, green sprangletop	PIP
<i>Leptochloa fusca</i> ssp. <i>fascicularis</i>	bearded sprangletop	PIP
<i>Leptochloa panicea</i>	mucronate sprangletop	PIP

<i>ssp. mucronata</i>		
<i>Lolium perenne</i>	italian ryegrass, perennial ryegrass, perennial ryegrass	PIP
<i>Monanthochloe littoralis</i>	shoregrass	PIP
<i>Muhlenbergia capillaris</i>	hairawn muhly	PIP
<i>Nassella leucotricha</i>	Texas tussockgrass, Texas wintergrass	PIP
<i>Panicum aciculare</i> var. <i>angustifolium</i>	Needleleaf witchgrass	PIP
<i>Panicum acuminatum</i> var. <i>acuminatum</i>	Tapered rosette grass	PIP
<i>Panicum amarum</i>	bitter panicgrass, bitter panicum	PIP
<i>Panicum amarum</i> var. <i>amarulum</i>	bitter panicgrass	PIP
<i>Panicum capillarioides</i>	slender panicgrass	PIP
<i>Panicum nodatum</i>	Sarita witchgrass	PIP
<i>Panicum oligosanthos</i>	Heller's witchgrass	PIP
<i>Panicum portoricense</i>	Hemlock witchgrass	PIP
<i>Panicum sphaerocarpon</i>	Roundfruit panicgrass	PIP
<i>Panicum virgatum</i>	old switch panic grass, switchgrass	PIP
<i>Parapholis incurva</i>	curved sicklegrass	PIP
<i>Paspalum dilatatum</i>	dallas grass, dallis grass, dallisgrass, herbe de miel, herbe sirop, hiku nua, palpalum dilate, water grass	PIP
<i>Paspalum monostachyum</i>	gulfdune paspalum	PIP
<i>Paspalum plicatulum</i>	brownseed paspalum	PIP
<i>Paspalum setaceum</i>	fringeleaf paspalum, sand paspalum, slender crown grass, thin paspalum	PIP
<i>Paspalum vaginatum</i>	seashore paspalum	PIP
<i>Pennisetum ciliare</i>	buffelgrass	PIP
<i>Pennisetum glaucum</i>	Yellow foxtail	PIP
<i>Phragmites australis</i>	common reed	PIP
<i>Polypogon monspeliensis</i>	annual rabbit's-foot grass, annual rabbitsfoot grass, rabbit'sfootgrass, rabbitfoot	PIP

	beardgrass, rabbitfoot grass, rabbitfoot polypogon, rabbitfootgrass	
<i>Schedonnardus paniculatus</i>	tumble grass, tumblegrass, tumblegrass	PIP
<i>Schizachyrium littorale</i>	shore little bluestem	PIP
<i>Schizachyrium scoparium</i>	little bluestem	PIP
	bristlegrass, Plains bristlegrass, streambed bristlegrass, yellow bristlegrass, yellow foxtail	PIP
<i>Setaria leucopila</i>		
<i>Setaria macrostachya</i>	Plains bristlegrass	PIP
	knotroot bristlegrass, marsh bristle grass, marsh bristlegrass, yellow bristlegrass	PIP
<i>Setaria parviflora</i>		
<i>Sorghastrum nutans</i>	Indiangrass, yellow indian-grass	PIP
	aleppo milletgrass, herbe de Cuba, Johnson grass, Johnsongrass, sorgho d'Alep, sorgho de alepo, zacate Johnson	PIP
<i>Sorghum halepense</i>		
<i>Spartina alterniflora</i>	Atlantic cordgrass, saltmarsh cordgrass, smooth cordgrass	PIP
	marshhay cordgrass, salt meadow cordgrass, saltmeadow cordgrass	PIP
<i>Spartina patens</i>		
<i>Spartina spartinae</i>	gulf cordgrass	PIP
	prairie wedgegrass, prairie wedgescale	PIP
<i>Sphenopholis obtusata</i>		
<i>Sporobolus airoides</i> ssp. <i>airoides</i>	Alkali sacaton	PIP
<i>Sporobolus cryptandrus</i>	sand dropseed	PIP
<i>Sporobolus pyramidatus</i>	whorled dropseed	PIP
<i>Sporobolus tharpianus</i>	Tharp's dropseed	PIP
<i>Sporobolus virginicus</i>	seashore dropseed	PIP
<i>Trichloris pluriflora</i>	Multiflower false Rhodes	PIP
<i>Trichoneura elegans</i>	Silveus' grass	PIP

<i>Tridens congestus</i>	pink fluff grass, pink fluffgrass	PIP
<i>Triplasis purpurea</i>	purple sand grass, purple sandgrass	PIP
<i>Uniola paniculata</i>	seaoats	PIP
<i>Urochloa ciliatissima</i>	almejita signalgrass, fringed, fringed signalgrass	PIP
<i>Urochloa texana</i>	Texas signalgrass	PIP
<i>Vaseyochloa multinervosa</i>	Texasgrass	PIP
<i>Vulpia octoflora</i>	eight-flower six-weeks grass, pullout grass, sixweeks fescue, sixweeks grass	PIP
<i>Mastichodendron capiri</i>	Tempesque	FR
<i>Acalypha radians</i>	cardinal's feather	PIP
<i>Chamaesyce ammannioides</i>	Roadside weed	PIP
<i>Chamaesyce cordifolia</i>	heartleaf sandmat	PIP
<i>Chamaesyce maculata</i>	large spurge, spotted sandmat, spotted spurge	PIP
<i>Chamaesyce serpens</i>	matted sandmat, serpent spurge	PIP
<i>Cnidocolus texanus</i>	bullnettle, Texas bullnettle	PIP
<i>Croton argyranthemus</i>	healing croton, silverleaf croton	PIP
<i>Croton capitatus</i>	doveweed, hogweed, hogwort, woolly croton, woolly croton	PIP
<i>Croton coryi</i>	Cory's croton	PIP
<i>Croton glandulosus</i>	vente conmigo	PIP
<i>Croton glandulosus</i> var. <i>pubentissimus</i>	vente conmigo	PIP
<i>Croton monanthogynus</i>	oneseeded croton, prairie tea, prairie-tea	PIP
<i>Croton parksii</i>	Parks' croton	PIP
<i>Croton punctatus</i>	gulf croton	PIP
<i>Euphorbia corollata</i>	flowering spurge, floweringspurge euphorbia	PIP
<i>Euphorbia innocua</i>	velvet spurge	PIP

<i>Hippomane mancinella</i>	manchineel	FR
<i>Phyllanthus abnormis</i>	abnormis leafflower, Drummond's leaf-flower, Drummond's leafflower	PIP
<i>Phyllanthus polygonoides</i>	knotweed leafflower, smartweed leaf-flower, smartweed leafflower	PIP
<i>Phyllanthus pudens</i>	birdseed leaf-flower, birdseed leafflower	PIP
<i>Stillingia sylvatica</i>	queen's-delight, queens delight, Queensdelight	PIP
<i>Acacia farnesiana</i>	aroma, Ellington curse, huisache, kandaroma, klu, Klu bush, popinac, sweet acacia, texas huisache	PP
<i>Aeschynomene viscidula</i>	sticky jointvetch	PIP
<i>Astragalus brazoensis</i>	Brazos milkvetch	PIP
<i>Astragalus leptocarpus</i>	rare loco milkvetch, slimpod milkvetch	PIP
<i>Baptisia bracteata</i> var. <i>laevicaulis</i>	longbract wild indigo	PIP
<i>Baptisia bracteata</i> var. <i>leucophaea</i>	longbract wild indigo	PIP
<i>Caesalpinia bonduc</i>	yellow nicker	FR
<i>Canavalia rosea</i>	baybean	PIP
<i>Centrosema virginianum</i>	butterflypea, spurred butterfly pea	PIP
<i>Chamaecrista fasciculata</i>	partridge pea, Showy partridgepea, sleepingplant	PIP
<i>Clitoria mariana</i>	Atlantic pigeonwings, pidgeonwings	PIP
<i>Crotalaria purshii</i>	Pursh's rattlebox	PIP
<i>Crotalaria sagittalis</i>	arrow crotalaria, arrowhead rattlebox	PIP
<i>Dalbergia escastraphyllum</i>	coinvine	FR
<i>Dalea emarginata</i>	wedgeleaf prairie clover, wedgeleaf prairieclover	PIP

<i>Dalea lanata</i>	Woolly dalea, woolly prairie clover, woolly prairie-clover, wooly dalea, woolly prairieclover	PIP
<i>Dalea obovata</i>	pussyfoot	PIP
<i>Dalea pogonathera</i>	bearded dalea, bearded prairie clover, bearded prairieclover	PIP
<i>Desmanthus virgatus</i> var. <i>depressus</i>	wild tantan	PIP
<i>Dioclea reflexa</i>	Sea purse	FR
<i>Entada gigas</i>	nicker bean	FR
<i>Erythrina herbacea</i>	eastern coralbean, redcardinal	PIP
<i>Galactia canescens</i>	hoary milkpea	PIP
<i>Galactia marginalis</i>	edible milkpea	PIP
<i>Glottidium vesicarium</i>	bagpod	PIP
<i>Indigofera miniata</i>	coastal indigo, western indigo	PIP
<i>Indigofera miniata</i> var. <i>leptosepala</i>	western indigo	PIP
<i>Indigofera suffruticosa</i>	anil de pasto, indigobush	PIP
<i>Leucaena leucocephala</i>	koa haole, lead tree, white leadtree	PIP
<i>Medicago polymorpha</i>	bur clover, burclover, California burclover, toothed medick	PIP
<i>Melilotus albus</i>	White sweet clover	PIP
<i>Melilotus indicus</i>	annual yellow sweetclover, Indian sweet-clover	PIP
<i>Mimosa latidens</i>	Kairn's sensitive-briar, Mimosa latidens	PIP
<i>Mimosa strigillosa</i>	herbaceous mimosa, powderpuff	PIP
<i>Mucuna nigricans</i>	Black jade vine	FR
<i>Mucuna sloanea</i>	Horseeye bean	FR
<i>Neptunia lutea</i>	yellow neptunia, yellow puff	PIP
<i>Neptunia pubescens</i>	tropical neptunia, tropical puff	PIP

<i>Parkinsonia aculeata</i>	Jerusalem thorn, Jerusalem-thorn, Mexican palo verde, retama	PIP
<i>Pediomelum rhombifolium</i>	Gulf Indian breadroot, roundleaf scurfpea	PIP
<i>Prosopis glandulosa</i>	honey mesquite	PIP
<i>Rhynchosia americana</i>	American snoutbean	PIP
<i>Rhynchosia minima</i>	least snoutbean	PIP
<i>Rhynchosia reniformis</i>	dollarleaf	U
<i>Rhynchosia senna</i> var. <i>texana</i>	rosary bean, Texas snoutbean	PIP
<i>Sesbania drummondii</i>	poisonbean	PIP
<i>Sesbania herbacea</i>	bigpod sesbania, hemp sesbania, peatree	PIP
<i>Sophora tomentosa</i>	yellow necklacepod, yellow sophora	PIP
<i>Strophostyles helvula</i>	trailing fuzzybean, trailing wild-bean, Trailing wildbean	PIP
<i>Strophostyles leiosperma</i>	slick-seed fuzzy-bean, slickseed fuzzybean, Smoothseed wildbean	PIP
<i>Stylosanthes viscosa</i>	poorman's friend	PIP
<i>Vicia ludoviciana</i>	deerpea vetch, Louisiana vetch, slim vetch	PIP
<i>Vicia ludoviciana</i> ssp. <i>leavenworthii</i>	leavenworth vetch, Leavenworth's vetch	PIP
<i>Vigna luteola</i>	deer pea, hairy pod cowpea	PIP
<i>Zornia bracteata</i>	viperina	PIP
<i>Quercus minima</i>	dwarf live oak	PIP
<i>Quercus virginiana</i>	live oak	PIP
<i>Asclepias emoryi</i>	Emory's milkweed	PIP
<i>Asclepias oenotheroides</i>	zizotes milkweed	PIP
<i>Asclepias viridiflora</i>	green antelopehorn milkweed, green comet milkweed, green milkweed	PIP
<i>Cynanchum angustifolium</i>	gulf coast swallow-wort, Gulf coast swallowwort	PIP

<i>Eustoma exaltatum</i>	catchfly prairie gentian, catchfly prairie-gentian, catchfly prairiegentian	PIP
<i>Sabatia arenicola</i>	sand rose gentian, sand rosegentian	PIP
<i>Sabatia campestris</i>	meadow pink, Prairie rose gentian, Texas star	PIP
<i>Oxalis dillenii</i>	Dillen's oxalis	PIP
<i>Oxalis drummondii</i>	drummond woodsorrel, Drummond's woodsorrel	PIP
<i>Halophila engelmannii</i>	Engelmann's seagrass	PIP
<i>Thalassia testudinum</i>	Turtle grass	PIP
<i>Carya aquatica</i>	water hickory	FR
<i>Carya illinoensis</i>	pecan	FR
<i>Juglans cinerea</i>	butternut	FR
<i>Juglans nigra</i>	black walnut	FR
<i>Juncus acuminatus</i>	sharp-fruit rush, tapertip rush	PIP
<i>Juncus brachycarpus</i>	whiteroot rush	PIP
<i>Juncus bufonius</i>	toad rush	PIP
<i>Juncus marginatus</i>	grassleaf rush	PIP
<i>Juncus megacephalus</i>	bighead rush	PIP
<i>Juncus roemerianus</i>	needlegrass rush	PIP
<i>Juncus scirpoides</i>	needlepod rush	PIP
<i>Juncus validus</i>	roundhead rush	PIP
<i>Heliotropium convolvulaceum</i>	bindweed heliotrope, phlox heliotrope, phlox heliotrophe, wide-flower heliotrope	PIP
<i>Heliotropium curassavicum</i> var. <i>curassavicum</i>	salt heliotrope	PIP
<i>Heliotropium racemosum</i>	coastalplain heliotrope	PIP
<i>Monarda punctata</i> var. <i>lasiodonta</i>	spotted beebalm	PIP
<i>Scutellaria drummondii</i>	Drummond's skullcap	PIP
<i>Scutellaria muriculata</i>	Rio Grande skullcap	PIP
<i>Teucrium cubense</i> var. <i>cubense</i>	Cuban germander, small coastal germander	PIP

<i>Avicennia germinans</i>	black mangrove	PIP
<i>Glandularia bipinnatifida</i> var. <i>bipinnatifida</i>	Dakota mock vervain, Dakota verbena	PIP
<i>Glandularia bipinnatifida</i> var. <i>ciliata</i>	Davis mountain mock verain	PIP
<i>Lantana camara</i>	lantana, largeleaf lantana	PIP
<i>Lantana urticoides</i>	West Indian shrubverbena, western lantana	PIP
<i>Phyla lanceolata</i>	frog fruit, lanceleaf fogfruit, lanceleaf frog fruit, northern fogfruit	PIP
<i>Phyla nodiflora</i>	frog fruit, sawtooth fogfruit, turkey tangle, turkey tangle fogfruit	PIP
<i>Verbena halei</i>	slender verbena, Texas verbena, Texas vervain	PIP
<i>Hernandia sonora</i>	mago	FR
<i>Persea borbonia</i>	redbay	PIP
<i>Yucca constricta</i>	buckley yucca, Buckley's yucca	PIP
<i>Yucca treculeana</i>	Don Quixote's lace, trecul yucca	PIP
<i>Alophia drummondii</i>	propeller flower	PIP
<i>Sisyrinchium biforme</i>	wiry blue-eyed grass, wiry blueeyed grass	PIP
<i>Sisyrinchium sagittiferum</i>	spearbract blue-eyed grass, spearbract blueeyed grass	PIP
<i>Cooperia drummondii</i>	evening rainlily, Texas rainlilly	PIP
<i>Nothoscordum bivalve</i>	crowpoison	PIP
<i>Sacoglottis amazonica martius</i>	Blister pod	FR
<i>Linum alatum</i>	winged flax	PIP
<i>Linum aristatum</i>	bristle flax	U
<i>Linum imbricatum</i>	toothed flax, tufted flax	PIP
<i>Lycopodiella alopecuroides</i>	foxtail clubmoss	PIP
<i>Kosteletzkya virginica</i>	Virginia saltmarsh mallow, Virginia saltmarsh willow	PIP

<i>Malvastrum americanum</i>	Indian Valley false mallow	PIP
<i>Malvastrum coromandelianum</i>	threelobe false mallow	PIP
<i>Sida ciliaris</i> var. <i>mexicana</i>	Mexican fringed fanpetals	PP
<i>Sida cordifolia</i>	llima	PIP
<i>Sida lindheimeri</i>	showy fanpetals	PIP
<i>Sida spinosa</i>	prickly fanpetals, prickly sida	PIP
<i>Sphaeralcea lindheimeri</i>	woolly globemallow	PIP
<i>Heritiera littoralis</i>	Looking glass tree	FR
<i>Morella cerifera</i>	wax myrtle, waxmyrtle	PIP
<i>Terminalia catappa</i>	false kamani, india almond, Indian almond, tropical almond, tropical almond	FR
<i>Ammannia coccinea</i>	purple ammannia, valley redstem	PIP
<i>Ammannia latifolia</i>	pink redstem	PIP
<i>Lythrum alatum</i> var. <i>lanceolatum</i>	winged lythrum	PIP
<i>Lythrum californicum</i>	California loosestrife	PIP
<i>Rotala ramosior</i>	lowland rotala, lowland toothcup, rotala	PIP
<i>Calylophus berlandieri</i> ssp. <i>pinifolius</i>	Berlandier's sundrops	PIP
<i>Calylophus serrulatus</i>	halfshrub calylophus, halfshrub sundrop, serrateleaf eveningprimrose, yellow sundrops	PIP
<i>Gaura longiflora</i>	longflower beeblossom	PIP
<i>Gaura parviflora</i>	smallflowered gaura, velvetweed, velvety gaura, willow gaura	PIP
<i>Ludwigia glandulosa</i>	creeping seedbox, cylindricalfruit primrose-willow	PIP
<i>Oenothera drummondii</i>	beach evening-primrose, beach eveningprimrose	PIP

<i>Oenothera grandis</i>	largeflower eveningprimrose, showy evening-primrose, showy eveningprimrose	PIP
<i>Oenothera laciniata</i>	cut-leaf evening-primrose, cut-leaved evening primrose, cutleaf evening-primrose, cutleaf eveningprimrose	PIP
<i>Oenothera speciosa</i>	pinkladies, Showy evening primrose, showy eveningprimrose	PIP
<i>Cymodocea filiformis</i>	manateeegrass	PIP
<i>Halodule beaudettei</i>	shoalweed	PIP
<i>Najas guadalupensis</i>	common waternymph, Guadalupe waternymph, southern naiad, southern waternymph	PIP
<i>Ruppia maritima</i>	widgeongrass	PIP
<i>Drosera brevifolia</i>	dwarf sundew	PIP
<i>Ophioglossum engelmannii</i>	adderstongue, limestone adderstongue	U
<i>Spiranthes vernalis</i>	spring ladies'-tresses, upland ladiestresses	PIP
<i>Corydalis micrantha ssp. texensis</i>	Texan fumewort	PIP
<i>Argemone albiflora ssp. texana</i>	bluestem pricklypoppy, white pricklypoppy	PIP
<i>Argemone sanguinea</i>	red pricklypoppy, spiny pricklypoppy	PIP
<i>Plantago heterophylla</i>	slender plantain	PIP
<i>Plantago hookeriana</i>	California plantain	PIP
<i>Plantago rhodosperma</i>	redseed Indianwheat, redseed plantain	PIP
<i>Plantago virginica</i>	paleseed Indianwheat, Virginia plantain	PIP
<i>Limonium carolinianum</i>	Carolina sea-lavender, Carolina sealavender	PIP
<i>Polygala alba</i>	milkwoart (White), white milkwort	PIP
<i>Polygala incarnata</i>	procession flower	PIP

<i>Polygala verticillata</i>	whorled milkwort	PIP
<i>Eriogonum longifolium var. longifolium</i>	longleaf buckwheat	PIP
<i>Eriogonum multiflorum</i>	heartsepal buckwheat, heartsepal wildbuckwheat	PIP
<i>Polygonella polygama</i>	October flower	PIP
<i>Anagallis arvensis</i>	pimpernel, scarlet pimpernel	PIP
<i>Anagallis minima</i>	chaffweed	PIP
<i>Samolus ebracteatus</i>	bractless brookweed, limewater brookweed, Mojave water pimpernel	PIP
<i>Cissus incisa</i>	ivy treebine	PIP
<i>Acacia farnesiana var. farnesiana</i>	Sweet acacia	PIP
<i>Lepuropetalon spathulatum</i>	petiteplant	PIP
<i>Cephalanthus occidentalis var. californicus</i>	California buttonbush	PIP
<i>Diodia teres var. teres</i>	poor joe, poor-joe, poorjoe	PIP
<i>Hedyotis nigricans</i>	diamondflowers	PIP
<i>Houstonia subviscosa</i>	nodding bluet	PIP
<i>Oldenlandia boscii</i>	Bosc's mille graines	PIP
<i>Oldenlandia uniflora</i>	clustered mille graines, oneflower oldenlandia	PIP
<i>Richardia brasiliensis</i>	tropical Mexican clover	PIP
<i>Salix nigra</i>	black willow	PIP
<i>Mangifera indica</i>	mango	FR
<i>Spondias mombin</i>	hogplum, yellow mombin	FR
<i>Carapa guidnensis</i>	Crabwood, Andiroba	FR
<i>Swietenia mahagoni</i>	West Indian mahogany	FR
<i>Zanthoxylum clava-herculis</i>	Hercules' club, hercules-club, hercules-club pricklyash	PIP
<i>Zanthoxylum hirsutum</i>	prickly-ash, texas hercules club, Texas Hercules' club	PIP
<i>Kallstroemia hirsutissima</i>	hairy caltrop	PP

<i>Tribulus terrestris</i>	bullhead, caltrop, goathead, Mexican sandbur, puncture vine, puncturevine, Texas sandbur	PIP
<i>Ruellia corzoi</i>	Corzo's wild petunia	PIP
<i>Crescentia cujete</i>	common calabash tree	FR
<i>Dendrosicus latifolius</i>	Black calabash	FR
<i>Polypremum procumbens</i>	juniper leaf	PIP
<i>Utricularia macrorhiza</i>	common bladderpod, common bladderwort, greater bladderwort	U
<i>Utricularia subulata</i>	zigzag bladderwort	PIP
<i>Orobanche ludoviciana ssp. multiflora</i>	Louisiana broomrape, manyflower broomrape, manyflowered broomrape	PIP
<i>Agalinis fasciculata</i>	beach false foxglove	PIP
<i>Agalinis heterophylla</i>	prairie false foxglove, prairie false-foxglove	PIP
<i>Agalinis maritima var. grandiflora</i>	saltmarsh false foxglove	PIP
<i>Agalinis strictifolia</i>	stiffleaf false foxglove	PIP
<i>Bacopa caroliniana</i>	blue waterhyssop	U
<i>Bacopa monnieri</i>	coastal waterhyssop, herb of grace, herb-of-grace	PIP
<i>Bacopa rotundifolia</i>	disc waterhyssop, disk waterhyssop, wet waterhyssop	PIP
<i>Buchnera americana</i>	American bluehearts, bupleurum	PIP
<i>Castilleja indivisa</i>	entireleaf Indian paintbrush, Texas paintbrush	PIP
<i>Lindernia dubia var. anagallidea</i>	false pimpernel, falsepimpernel, yellow-seed false pimpernel, yellowseed false pimpernel	PIP
<i>Maurandya antirrhiniflora ssp. antirrhiniflora</i>	Snapdragon vine	PIP

<i>Nuttallanthus texanus</i>	Texas toadflax, Texas-toadflax	PIP
<i>Stemodia lanata</i>	gray-woolly twintip, <i>Stemodia lanata</i>	PIP
<i>Ipomoea alba</i>	tropical white morning-glory, tropical white morningglory	FR
<i>Ipomoea cordatotriloba</i>	cotton morningglory, tievine	PIP
<i>Ipomoea imperati</i>	beach morning-glory, beach morningglory	PIP
<i>Ipomoea pes-caprae ssp. brasiliensis</i>	Brazilian bayhops	PIP
<i>Ipomoea sagittata</i>	saltmarsh morning-glory, saltmarsh morningglory	PIP
<i>Merremia discoidesperma</i>	Mary's bean, crucifix bean	FR
<i>Cuscuta indecora</i>	bigseed alfalfa dodder, large-seed dodder, largeseed dodder, pretty dodder	PIP
<i>Cuscuta pentagona</i>	bush-clover dodder, field dodder, fiveangled dodder, lespedeza dodder	PIP
<i>Nama hispidum</i>	bristly nama, purple mat	PIP
<i>Phacelia patuliflora</i>	sand phacelia, sand scorpionweed	PIP
<i>Phlox drummondii</i>	annual phlox, drummond phlox	PIP
<i>Phlox glabriflora</i>	Rio Grande phlox	PIP
<i>Phlox glabriflora ssp. littoralis</i>	Rio Grande phlox	PIP
<i>Capsicum annuum var. aviculare</i>	Tepin pepper	PIP
<i>Lycium carolinianum var. quadrifidum</i>	Carolina desert-thorn, largeflower wolfberry	PIP
<i>Nicotiana glauca</i>	tree tobacco	PIP
<i>Physalis cinerascens var. spathulifolia</i>	smallflower groundcherry	PIP
<i>Solanum americanum</i>	American black nightshade	PIP
<i>Solanum eleagnifolium</i>	Silverleaf nightshade	PIP

<i>Solanum rostratum</i>	buffalobur, buffalobur nightshade, Colorado bur, horned nightshade, Kansas thistle, Mexican thistle, Texas thistle	PIP
<i>Caryocar glabrum</i>	Bat's souari, Piquiarana	FR
<i>Calophyllum calaba</i>	West-Indian laurel	FR
<i>Hypericum gentianoides</i>	orangegrass, pinweed st. johnswort	PIP
<i>Hypericum hypericoides</i> ssp. <i>hypericoides</i>	St Andrews cross, St. Andrew's cross	PIP
<i>Hypericum pauciflorum</i>	fewflower St. Johnswort	PIP
<i>Triadenum virginicum</i>	marsh st. john's wort, Virginia marsh St. Johnswort	U
<i>Elatine triandra</i>	longstem waterwort, threestamen waterwort	PIP
<i>Typha domingensis</i>	Southern cat-tail, southern cattail	PIP
<i>Typha latifolia</i>	broadleaf cattail, cattail, cattail (common), common cattail	PIP
<i>Parietaria floridana</i>	Florida pellitory, pellitory	PIP
<i>Parietaria pensylvanica</i>	Pennsylvania pellitory	PIP
<i>Urtica chamaedryoides</i>	heartleaf nettle, slim stingingnettle	PIP
<i>Helianthemum georgianum</i>	Georgia frostweed	PIP
<i>Lechea mucronata</i>	hairy pinweed	PIP
<i>Citrullus colocynthis</i>	colocynth	PIP
<i>Citrullus lanatus</i> var. <i>citroides</i>	watermelon	PIP
<i>Cucumis melo</i> var. <i>melo</i>	cantaloupe	PIP
<i>Cucurbita foetidissima</i>	buffalo gourd, buffalogourd pumpkin, calabazilla, Missouri gourd, wild gourd, wild pumkin	PIP

<i>Ibervillea lindheimeri</i>	balsamgourd, Lindheimer globeberry, Lindheimer's globeberry, Rio Grande globeberry	PIP
<i>Melothria pendula</i> var. <i>pendula</i>	Guadeloupe cucumber	PIP
<i>Mentzelia oligosperma</i>	chickenthiel, chickthief	PIP
<i>Tamarix aphylla</i>	athel, Athel tamarisk, saltcedar, tamarisk, tamarix	PIP
<i>Tamarix canariensis</i>	Canary Island tamarisk, saltcedar, tamarisk, tamarix	PIP
<i>Tamarix chinensis</i>	China tamarisk, Chinese saltcedar, Chinese tamarisk, five-stamen tamarisk, fivestamen tamarisk, saltcedar, tamarisk, tamarix	PIP
<i>Tamarix gallica</i>	French tamarisk, saltcedar, tamarisk, tamarix	PIP
<i>Tamarix ramosissima</i>	salt cedar, salt-cedar, saltcedar, tamarisk, tamarix	PIP

¹Park Status refers to the current status of the organism in the park, where PIP=Present in Park, PP=Probably Present, E=Encroaching, U=Unconfirmed, N/A=Not Available, H=Historic

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NPS 613/106086, November 2010

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U.S. Department of the Interior



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