



United States Department of Agriculture



BIRD CHECKLIST

Guánica Biosphere Reserve

Puerto Rico

Wayne J. Arendt, John Faaborg, Miguel Canals, and Jerry Bauer



Forest Service
Research & Development
Southern Research Station
Research Note SRS-23

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Cover Photos

Large cover photograph by Jerry Bauer;
small cover photographs by Mike Morel.

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April 2015

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Asheville, NC 28804



www.srs.fs.usda.gov

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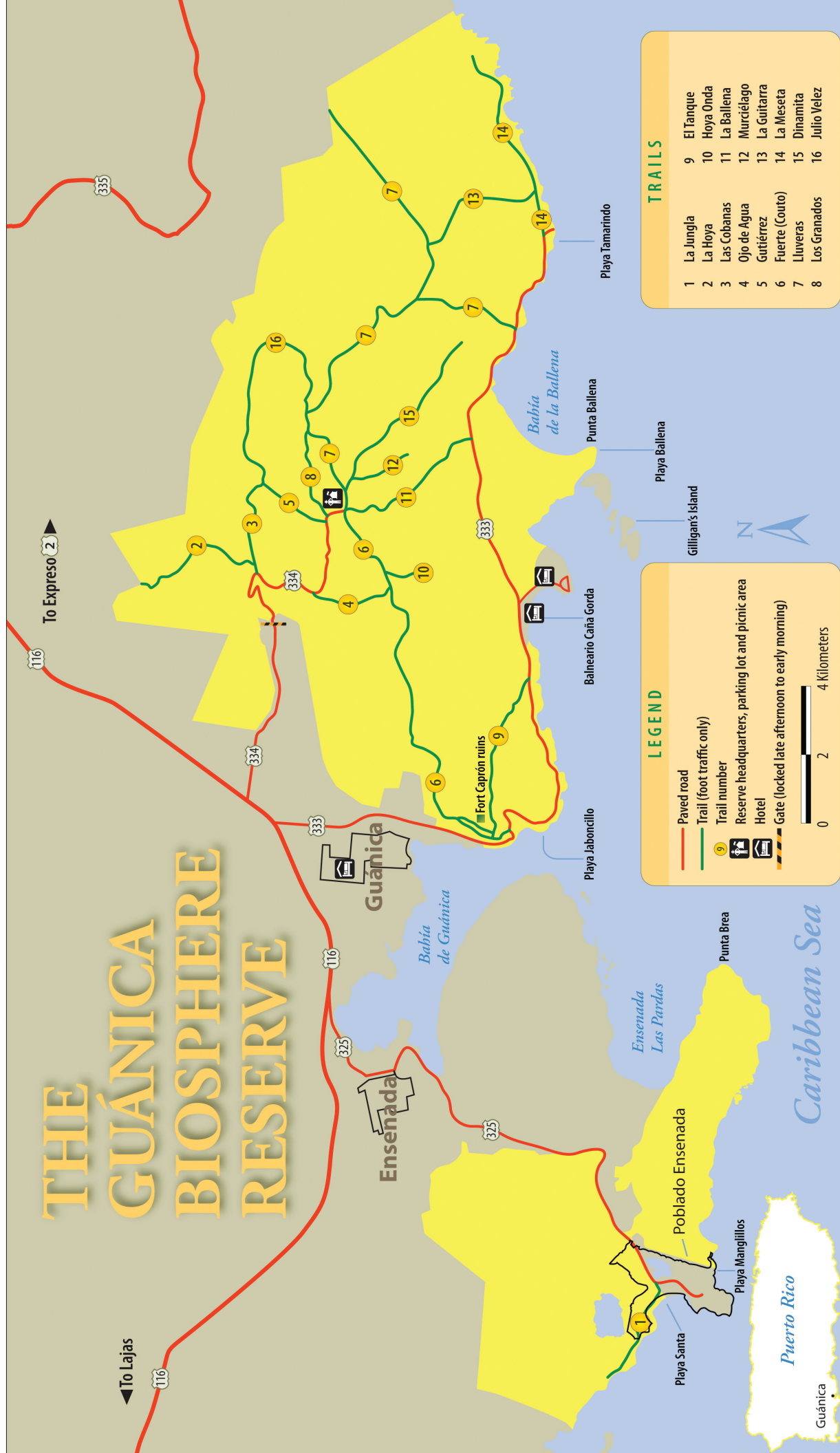
Wayne J. Arendt, John Faaborg, Miguel Canals, and Jerry Bauer

ABSTRACT

This research note compiles 43 years of research and monitoring data to produce the first comprehensive checklist of the dry forest avian community found within the Guánica Biosphere Reserve. We provide an overview of the reserve along with sighting locales, a list of 185 birds with their resident status and abundance, and a list of the available bird habitats. Photographs of habitats and some of the bird species are included.

Keywords: Avian community, bird checklist, Guánica Biosphere Reserve, Puerto Rico.

THE GUÁNICA BIOSPHERE RESERVE





Monument acknowledging the establishment of the Guánica Biosphere Reserve.

ACKNOWLEDGMENTS

The U.S. Department of Agriculture, Forest Service, International Institute of Tropical Forestry (USFS/IITF) funded the annual field work and the production of this research note in cooperation with the University of Missouri. For field assistance, we thank USFS/IITF biologists R. Díaz, M.R. Ford, M.R. Anderson, and J. Mercado; we also thank many undergraduate and graduate university field assistants for their help over the past 43 years. Our long-term Guánica bird research is conducted in cooperation with the University of Puerto Rico.

INTRODUCTION

GUÁNICA COMMONWEALTH FOREST

Declared in 1919 under the administrative authority of Puerto Rico's Insular Forest Service, the Guánica Commonwealth Forest (also known as Guánica State Forest, or Bosque Estatal de Guánica) is located in southwestern Puerto Rico (lat. 17°58'25" N., long. 66°54'30" W.) about 160 km (100 miles) and a 2-hour drive from San Juan. Within its boundaries is one of the largest remaining tracts of subtropical dry coastal forest in the world. Forming part of Puerto Rico's dry-forest region extending 120 km (75 miles) east of the southwestern corner of the island and about 10 km (6 miles) inland, dry cactus scrublands dominate the low-lying hills surrounding the forest. The forest, originally encompassing 2165 ha (5,348 acres), had expanded to 3889 ha (9,606 acres) by 1966. Between 1924 and 1930, thousands of trees were planted in an effort to regenerate forest land that had earlier undergone degradation because of agricultural practices. Today, the forest comprises more than 4000 ha (9,880 acres) with 57 km (36 miles) of trails and old roads, along which visitors can enjoy Guánica's natural environment and its unique plants and animals.

GUÁNICA BIOSPHERE RESERVE

The Guánica Commonwealth Forest was renamed the Guánica Biosphere Reserve ("La Reserva Internacional de Biósfera de Guánica") in 1981 when it was designated as part of UNESCO's (United Nations Educational, Scientific, and Cultural Organization) program on Man and the Biosphere (MAB). The Guánica Biosphere Reserve, administered by the Department of Natural and Environmental Resources, constitutes one of nearly 500 international biosphere reserves located in 102 countries worldwide (c. 50 within the United States). It easily meets the criterion of biosphere reserves in general by "encompassing a mosaic of ecological systems," i.e., combinations of terrestrial, coastal, and marine ecosystems. The reserve covers 4400 ha (10,868 acres) along an elevational gradient of 0 to 228 m (752 feet) above sea level, comprising diverse coastal habitats, including deciduous and semi-evergreen forests, wetlands, several mangrove cays, and 21 km (13 miles) of undeveloped coastline and marine estuaries. Some of these are within the boundaries of the adjacent Punta Ballena Reserve, which is also included in the Guánica Biosphere Reserve. The Guánica region is the driest in Puerto Rico. Annual rainfall extremes range from 30 to 130 cm (9 to 51 inches), and multiannual drought periods are not uncommon. Only about 10 percent of Guánica's annual precipitation falls during its four driest months from December to April. Some parts of the reserve receive only 15 cm (6 inches) per year. Mean annual rainfall is only 86 cm (c. 34 inches), with most rain occurring between May and November, the heaviest downpours commencing in August.

Temperatures fluctuate between 24 and 28 °C (75 to 82 °F), with an annual average of 25 °C (77 °F), and maximum temperatures of 39 °C (102 °F) in more exposed areas. Relative humidity varies between 65 and 80 percent.

Considering its scant precipitation, high temperatures, soils with a gradual accumulation of organic matter, and the absence of permanent rivers, one might conclude that the reserve's biota would be impoverished. On the contrary! The Guánica Biosphere Reserve hosts a diverse array of unique and highly adapted plants and animals. There are more than 700 species of plants, of which 16 species are endemic (unique to Puerto Rico) and 48 species are endangered. Easily recognized and important trees include gumbo limbo (*Bursera simaruba* L. Sarg.), popularly known as the "tourist tree" because of its red and peeling bark, and "guayacán" (*Guaiacum officinale* L.), also known as lignum-vitae or "wood of life." One guayacán in the Guánica dry forest is thought to be between 500 and 700 years old.

Marine animals include hawksbill (*Eretmochelys imbricata*) and leatherback (*Dermochelys coriacea*) turtles, as well as manatees (*Trichechus manatus*). Unique terrestrial fauna include the endemic crested toad (*Pelthophryne lemur*) and six species of native bats. To date, 185 species of birds, the reserve's dominant vertebrate taxon, have been recorded: 97 permanent residents or summer breeders and visitors, and an almost equal number (88) of "wintering" or passage migrants and transients. Of Puerto Rico's 17 species of endemic birds, all but 2, the Puerto Rican parrot (*Amazona vittata*) and elfin-woods warbler (*Setophaga angelae*), occur within the confines of the reserve. Thirteen introduced species, which is fewer than half (43 percent) of the island's 30 or so introduced bird species, have been reported.

SUGGESTIONS FOR BIRDING IN THE RESERVE

Most people come to the reserve to see the birds living in its drought-adapted vegetation. Waterbirds can be seen along the coast and near two small lagoons, one located by the road to Gilligan's Island and the other to the northeast of the parking lot at Tamarindo Beach at the end of the coastal road. Take Highway 333 south along the edge of the town of Guánica and Guánica Bay. This curvy road soon parallels the south coast for several miles and affords several good birding spots. At the top of the hill, about a mile past the Copamarina Hotel, a gravel road goes into the reserve. A gate impedes driving this route. This is the Ballena Trail shown on the map. The other entrance to the reserve, leading to the reserve headquarters, is from Highway 334. Take this route until you arrive at a yellow gate,

commonly referred to as the Laguna gate. Although the reserve is open to birdwatchers from just before dawn to after dark, these gates limit access to its interior. Only the La Luna gate is open on a regular basis. Official visitors' hours are 7 a.m. to 5 p.m. on weekdays and 8:30 a.m. to 5:00 p.m. on weekends. Of course, the best time for birding is in the early morning. The endemic Puerto Rican nightjar (*Antrostomus noctitherus*) stops singing well before the gates open. To see the nightjar, walk the half mile or so uphill along the Ballena road where it intersects with Highway 333 along the reserve, or park at the La Luna entrance and walk into the forest. In either case, be sure not to block the gate. The nightjars often go through a burst of singing activity at dawn until about 6:30 a.m. and begin again in the evening at about the same hour. Getting to the La Luna entrance at about 6:00 a.m. and walking up the main road should just about guarantee sighting a singing nightjar. Plus, it is easy to bird along that road until the gate opens at 8 a.m. and then drive into the reserve. The reserve is open most of the year. It does close on Christmas and Three Kings Day (January 6th). On those occasions, you can still walk into the reserve from either of the entrances and bird along the trails. Although the checklist incorporates all of the information that the authors and contributors could gather on the status and distribution of birds within the reserve, avian populations are fluid, especially in our changing global climate. We welcome any additional well-documented observations. Please send information regarding additional species sightings to Sergio A. Colón López (sergiocolon@yahoo.com). He and other members of the local committee representing the island's ornithological society (SOPI, Inc.) will review and evaluate the new sightings for consideration of inclusion in the official Guánica Biosphere Bird Checklist.

HOW TO USE YOUR CHECKLIST

Birds are arranged in the taxonomic order established by the American Ornithologists' Union (AOU). That is, birds such as pelicans, ducks, hawks, swallows, sparrows, and such, are grouped with their closest relatives. The codes used are fairly standard in the bird literature. Symbols are defined on the following page and are straightforward; however, the red **E** denotes "endemics," i.e., birds found only in Puerto Rico, and birds with photos (located in the back) are indicated with thumbnails. The fourth column heading on the main list (ALPHA CODE) is the standard 4-letter alpha code abbreviation for each species' English common name adopted by the AOU. Some alpha codes are not included in the AOU registry.

ABUNDANCE CODES

•	Rare	Rarely detected
●	Uncommon	Present, but not certain to be always detected
●	Common	Certain to be detected in suitable habitat
?	Abundance unknown	

STATUS CODES

RB	Resident, breeding proved
R(B)	Resident, breeding not proved but likely
RN	Non-breeding resident
SVB	Summer visitor, known to breed
SV(B)	Summer visitor, breeding not proved but likely
SVN	Non-breeding summer visitor
WV	Non-breeding northern winter visitor
PM	Passage migrant
AT	Accidental visitor or transient
I	Introduced, feral

SEASON CODES (based on avian annual cycles)

Spring	March, April, May (peak northward migration season)
Summer	June, July, August
Fall	September, October, November (peak southward migration season)
Winter	December, January, February

HABITAT CODES (refer to pages 22–23 for habitat photos)

C	Coast (includes beach, intertidal zone, and offshore)
D	Disturbed (developed and manicured landscapes)
L	Lowland forest (coastal shrub up to 50 m elevation [165 feet])
M	Mangroves (trees on tidal flats and along shorelines)
O	Open (grasslands with scattered trees)
U	Upland forest (evergreen and deciduous vegetation associations above 50 m elevation [165 feet])
W	Wetlands

SIGHTING LOCALES

Copa¹	Copamarina Hotel
Gillig²	Gilligan's Island
Tamar³	Tamarindo Beach
Gorda⁴	Caña Gorda, Guánica Bay
Meseta⁵	Meseta Trail, Guánica dry forest

SYMBOL



E	Endemic birds
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BIRD		ALPHA CODE	STATUS CODE										ABUNDANCE CODE				HABITAT
Family																	
Bird No.	Scientific name Common Name Nombre común		RB	R(B)	RN	SVB	SV(B)	SVN	WV	PM	AT	I	Spring	Summer	Fall	Winter	
Anatidae																	
1	<i>Cygnus columbianus</i> Tundra Swan (16 Dec. 2010) Copa ¹ Cisne de Tundra	TUSW									•					•	DC
2	<i>Anas strepera</i> Gadwall (18 Dec. 2012) Copa ¹ Pato Gris	GADW									•					•	W
3	<i>Anas americana</i> American Wigeon (7 Jan. 2012) Gillig ² Pato Cabeciblanco	AMWI									•					•	W
4	<i>Anas discors</i> Blue-winged Teal Pato Zarcel	BWTE							•	•			•		•	•	WM
5	<i>Anas bahamensis</i> White-cheeked Pintail Pato Quijada Colorada	WHIP			•								•	•	•	•	WM
6	<i>Anas acuta</i> Northern Pintail Pato Pescuecilargo	NOPI							•						•	•	WM
7	<i>Aythya affinis</i> Lesser Scaup Pato Pechiblanco Menor	LESC							•	•					•	•	WM
8	<i>Bucephala albeola</i> Bufflehead Pato Pinto	BUFF							•	•					•	•	WMC
9	<i>Oxyura jamaicensis</i> Ruddy Duck Pato Chorizo	RUDU			•								•	•	•	•	WM
Numididae																	
10	<i>Numida meleagris</i> Helmeted Guineafowl Guinea Torcaz	HEGU	•									I	•	•	•	•	OD
Phasianidae																	
11	<i>Gallus gallus</i> Red Junglefowl Gallo Silvestre	REJU	•									I	•	•	•	•	D
Podicipedidae																	
12	<i>Podilymbus podiceps</i> Pied-billed Grebe Pato Zaramago	PBGR	•										•	•	•	•	WMC
Phoenicopteridae																	
13	<i>Phoenicopterus ruber</i> American Flamingo Flamenco	AMFL									•				•	•	WMC
Procellariidae																	
14	<i>Puffinus lherminieri</i> Audubon's Shearwater (1 sighting, 11 Jul. 1990) Tamar ³ Pampero de Audubon										•		?	•	?	?	C





















BIRD		ALPHA CODE	STATUS CODE										ABUNDANCE CODE				HABITAT
Family																	
Bird No.	Scientific name Common Name Nombre común		RB	R(B)	RN	SVB	SV(B)	SVN	WV	PM	AT	-	Spring	Summer	Fall	Winter	
Phaethontidae																	
15	<i>Phaethon lepturus</i> White-tailed Tropicbird Chirre Coliblanco	WTTR					•						•	•	•	•	C
16	<i>Phaethon aethereus</i> Red-billed Tropicbird Chirre Piquirrojo	RBTR							•				•	•	•	•	C
Fregatidae																	
17	<i>Fregata magnificens</i> Magnificent Frigatebird Tijereta	MAFR			•								●	●	●	●	MC
Sulidae																	
18	<i>Sula leucogaster</i> Brown Booby Boba Parda	BRBO		•									•	•	•	•	C
19	<i>Sula sula</i> Red-footed Booby Boba Patirroja	RFBO								•			?	?	?	?	C
Pelecanidae																	
20	<i>Pelecanus occidentalis</i> Brown Pelican Pelicano Pardo	BRPE			•								●	●	●	●	MC
Ardeidae																	
21	<i>Ixobrychus exilis</i> Least Bittern Martinetito	LEBI		•									•	•	•	•	WMC
22	<i>Ardea herodias</i> Great Blue Heron Garzón Cenizo	GBHE			•								•	•	•	•	WMC
23	<i>Ardea alba</i> Great Egret Garza Real	GREG		•									•	•	•	•	WMC
24	<i>Egretta thula</i> Snowy Egret Garza Blanca	SNEG		•									•	●	●	●	WMC
25	<i>Egretta caerulea</i> Little Blue Heron Garza Azul	LBHE		•									•	●	●	●	WMC
26	<i>Egretta tricolor</i> Tricolored Heron Garza Pechiblanca	TRHE		•									•	•	•	•	WMC
27	<i>Egretta rufescens</i> Reddish Egret (1 sighting, 20 Apr. 1992) Garza Rojiza	REEG								•			•	?	?	?	W
28	<i>Bubulcus ibis</i> Cattle Egret Garza de Ganado	CAEG		•									●	●	●	●	ODWMC






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Family																	
Bird No.	Scientific name Common Name Nombre común		RB	R(B)	RN	SVB	SV(B)	SVN	WV	PM	AT	-	Spring	Summer	Fall	Winter	
29	<i>Butorides virescens</i> Green Heron Martinete	GRHE		•									•	•	•	•	WMC
30	<i>Nycticorax nycticorax</i> Black-crowned Night-Heron Yaboa Real	BCNH		•									•	•	•	•	WMC
31	<i>Nyctanassa violacea</i> Yellow-crowned Night-Heron Yaboa Común	YCNH		•									•	•	•	•	WMC
Threskiornithidae																	
32	<i>Plegadis falcinellus</i> Glossy Ibis Ibis Lustroso	GLIB									•		•	•	•	•	WMC
Cathartidae																	
33	<i>Cathartes aura</i> Turkey Vulture Aura Tiñosa	TUVU	•										•	•	•	•	ALL (fly over)
Pandionidae																	
34	<i>Pandion haliaetus</i> Osprey Águila Pescadora	OSPR							•				•	•	•	•	WMC
Accipitridae																	
35	<i>Accipiter striatus</i> Sharp-shinned Hawk Falcón de Sierra	SSHA	•													•	LU
36	<i>Buteo jamaicensis</i> Red-tailed Hawk Guaraguo Colirrojo	RTHA	•						•				•	•	•	•	All
Rallidae																	
37	<i>Rallus longirostris</i> Clapper Rail Pollo de Mangle	CLRA	•										•	•	•	•	WM
38	<i>Gallinula galeata</i> Common Gallinule Gallareta Común	COGA	•										•	•	•	•	WM
39	<i>Fulica americana</i> American Coot Gallinazo Americano	AMCO							•	•			•	•	•	•	WM
Recurvirostridae																	
40	 <i>Himantopus mexicanus</i> Black-necked Stilt Viuda	BNST	•										•	•	•	•	WMC
Haematopodidae																	
41	 <i>Haematopus palliatus</i> American Oystercatcher Ostrero Americano	AMOY		•									•	•	•	•	WMC





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Family																	
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Charadriidae																	
	42 <i>Pluvialis squatarola</i> Black-bellied Plover Playero Cabezón	BBPL							•	•			●	•	●	●	W M C
	43 <i>Charadrius nivosus</i> Snowy Plover Playero Blanco	SNPL			•					•			•	•	•	•	W M C
	44 <i>Charadrius wilsonia</i> Wilson's Plover Playero Marítimo	WIPL	•										●	●	●	●	W M C
	45 <i>Charadrius semipalmatus</i> Semipalmated Plover Playero Acollarado	SEPL							•	•			•	•	●	•	W M C
	46 <i>Charadrius vociferus</i> Killdeer Playero Sabanero	KILL	•							•			●	●	●	●	W M C
Scolopaciidae																	
	47 <i>Actitis macularius</i> Spotted Sandpiper Playero Coleador	SPSA							•	•			•	•	●	●	W M C
	48 <i>Tringa solitaria</i> Solitary Sandpiper Playero Solitario	SOSA							•	•			•	•	•	•	W M C
	49 <i>Tringa melanoleuca</i> Greater Yellowlegs Playero Guineilla Grande	GRYE							•	•			•	•	●	●	W M C
	50 <i>Tringa nebularia</i> Common Greenshank (1 sighting, 26 Dec. 2009) <i>Gorda</i> ⁴ Archibebe Claro	COMG									•		?	?	?	•	W M C
	51 <i>Tringa semipalmata</i> Willet Playero Aliblanco	WILL			•								•	•	•	•	W M C
	52 <i>Tringa flavipes</i> Lesser Yellowlegs Playero Guineilla Pequeño	LEYE							•	•			•	•	●	●	W M C
	53 <i>Numenius phaeopus</i> Whimbrel Playero Picocorvo	WHIM								•			•	•	•	•	W M C
	54 <i>Limosa haemastica</i> Hudsonian Godwit Barga Aliblanca	HUGO								•			?	?	•	?	W M C
	55 <i>Arenaria interpres</i> Ruddy Turnstone Playero Turco	RUTU							•	•			•	•	•	•	W M C
	56 <i>Calidris alba</i> Sanderling Playero Arenero	SAND							•	•			•	•	•	•	W M C

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Family																	
Bird No.	√	Scientific name Common Name Nombre común	RB	R(B)	RN	SVB	SV(B)	SVN	WV	PM	AT	-	Spring	Summer	Fall	Winter	
57		<i>Calidris pusilla</i> Semipalmated Sandpiper Playero Gracioso							•	•			•	•	•	•	WMC
58		<i>Calidris mauri</i> Western Sandpiper Playero Occidental							•	•			•	•	•	•	WMC
59		<i>Calidris minutilla</i> Least Sandpiper Playero Menudillo								•			•	•	•	•	WMC
60		<i>Calidris melanotos</i> Pectoral Sandpiper Playero Pectoral							•	•			•	•	•	•	WMC
61		<i>Calidris himantopus</i> Stilt Sandpiper Playero Patilargo							•	•			•	•	•	•	WMC
62		<i>Limnodromus griseus</i> Short-billed Dowitcher Chorlo Pico Corto							•	•			•	•	•	•	WMC
63		<i>Phalaropus fulicarius</i> Red Phalarope (1 sighting "fall") Falaropo Rojo									•		?	?	•	?	W
Laridae																	
64		<i>Leucophaeus atricilla</i> Laughing Gull Gaviota Gallega					•						•	•	•	•	C
65		<i>Anous stolidus</i> Brown Noddy (1 sighting, 9 Nov. 2009) Meseta ⁵ Cervera Parda									•		?	?	•	?	LC
66		<i>Onychoprion fuscatus</i> Sooty Tern Charrán Oscuro						•		•			•	•	•	•	C
67		<i>Sternula antillarum</i> Least Tern Charrán Pequeño		•						•			•	•	•	•	C
68		<i>Chlidonias niger</i> Black Tern Charrán Cenizo									•				•		MC
69		<i>Sterna dougallii</i> Roseate Tern Palometa			•					•			•	•	•	•	C
70		<i>Sterna hirundo</i> Common Tern Charrán Común			•				•	•			•	•	•	•	C
71		<i>Sterna paradisaea</i> Arctic Tern Charrán Ártico								•			•	•	•	•	WC

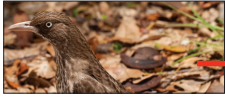
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Family																	
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72	<i>Thalasseus maximus</i> Royal Tern Charrán Real	ROYT						•	•	•			●	●	●	●	C
 73	<i>Thalasseus sandvicensis</i> Sandwich Tern Charrán de Pico Agudo	SATE			•					•			●	●	●	●	C
74	<i>Rynchops niger</i> Black Skimmer Rayador Americano	BLSK			•				•	•			●	●	●	●	WC
Columbidae																	
75	<i>Columba livia</i> Rock Pigeon Paloma Doméstica	ROPI	•									I	●	●	●	●	D
 76	<i>Patagioenas squamosa</i> Scaly-naped Pigeon Paloma Turca	SNPI	•										●	●	•	•	UL
 77	<i>Patagioenas leucocephala</i> White-crowned Pigeon Paloma Cabeciblanca	WCPI		•									●	●	●	•	MC
78	<i>Streptopelia decaocto</i> Eurasian Collared-Dove Tórtola Turca	EUCD	•									I	●	●	●	●	OD
79	<i>Zenaida asiatica</i> White-winged Dove Tórtola Aliblanca	WWDO	•										●	●	●	●	ULOD
 80	<i>Zenaida aurita</i> Zenaida Dove Tórtola Cardosantera	ZEND	•										●	●	●	●	ULODC
81	<i>Zenaida macroura</i> Mourning Dove Tórtola Rabilarga	MODO	•										●	●	●	●	OD
 82	<i>Columbina passerina</i> Common Ground-Dove Rolita	COGD	•										●	●	●	●	ULODC
 83	<i>Geotrygon chrysis</i> Key West Quail-Dove Paloma Perdiz Áurea	KWQD	•										●	●	●	●	UL
84	<i>Geotrygon mystacea</i> Bridled Quail-Dove Paloma Perdiz de Martinica	BRQD									•				•	•	UL
 85	<i>Geotrygon montana</i> Ruddy Quail-Dove Perdiz Rojiza	RUQD	•										•	•	•	•	UL
86	<i>Starnoenas cyanocephala</i> Blue-headed Quail-Dove (Sep. 1998; 1 sighting following Hurricane Georges) Cabeciazul	BHQD									•		?	?	•	?	U

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Family																	
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Cuculidae																	
87	<i>Coccyzus americanus</i> Yellow-billed Cuckoo Pájaro Bobo Piquiamarillo	YBCU	•						•	•			•	•	•	•	ULODM
 88	<i>Coccyzus minor</i> Mangrove Cuckoo Pájaro Bobo Menor	MACU	•										•	•	•	•	ULODM
 89	<i>Coccyzus vieilloti</i> Puerto Rican Lizard-Cuckoo E Pájaro Bobo Mayor	PRLC	•										•	•	•	•	UL
 90	<i>Crotophaga ani</i> Smooth-billed Ani Judío	SBAN	•										•	•	•	•	LOD
Strigidae																	
 91	<i>Megascops nudipes</i> Puerto Rican Screech-Owl E Múcarito de Puerto Rico	PRSO	•										•	•	•	•	UL
 92	<i>Asio flammeus</i> Short-eared Owl Múcaro Real	SEOW	•										•	•	•	•	0
Caprimulgidae																	
93	<i>Chordeiles minor</i> Common Nighthawk Querequequé Migratorio	CONI								•			•				All (fly over)
 94	<i>Chordeiles gundlachi</i> Antillean Nighthawk Querequequé Antillano	ANNI				•							•	•	•	•	All (fly over)
95	<i>Antrostomus carolinensis</i> Chuck-will's-widow Guabairo Mayor	CWWI							•	•			•				ULWM
 96	<i>Antrostomus noctitherus</i> Puerto Rican Nightjar E Guabairo de Puerto Rico	PRNI	•										•	•	•	•	U
Apodidae																	
97	<i>Cypseloides niger</i> Black Swift Vencejo Negro	BLSW						•					•	•	•		All (fly over)
Trochilidae																	
 98	<i>Anthracothorax dominicus</i> Antillean Mango Zumbador Dorado	ANMA	•										•	•	•	•	ULODMC
99	<i>Anthracothorax viridis</i> Green Mango E Zumbador Verde	GRMA									•		•	•	•	•	ULOD
100	<i>Eulampis holosericeus</i> Green-throated carib (1 netted, 3 Jan. 2003) Zumbador Pechiazul	GTCA									•					•	U

BIRD		ALPHA CODE	STATUS CODE											ABUNDANCE CODE				HABITAT
Family																		
Bird No.	Scientific name Common Name Nombre común		RB	R(B)	RN	SVB	SV(B)	SVN	WV	PM	AT	I	Spring	Summer	Fall	Winter		
101	 <i>Orthorhyncus cristatus</i> Antillean Crested Hummingbird Zumbador Crestado	ACHU			•								•	•	•	•	ULOD	
102	 <i>Chlorostilbon maugaeus</i> Puerto Rican Emerald E Zumbadorcito de Puerto Rico	PREM	•										•	•	•	•	ULODMC	
103	<i>Archilochus colubris</i> Ruby-throated Hummingbird Zumbadorcito Gorgirrojo	RTHU								•					•		UL	
Todidae																		
104	 <i>Todus mexicanus</i> Puerto Rican Tody E San Pedrito	PRTO	•										•	•	•	•	UL	
Alcedinidae																		
105	 <i>Megasceryle alcyon</i> Belted Kingfisher Martin Pescador	BEKI							•	•			•	•	•	•	WMC	
Picidae																		
106	 <i>Melanerpes portoricensis</i> Puerto Rican Woodpecker E Carpintero de Puerto Rico	PRWO	•										•	•	•	•	All	
107	<i>Sphyrapicus varius</i> Yellow-bellied Sapsucker Carpintero Pechiamarillo	YBSA							•				•		•	•	UL	
Falconidae																		
108	 <i>Falco sparverius</i> American Kestrel Falcón Común	AMKE	•						•				•	•	•	•	ULODW	
109	<i>Falco columbarius</i> Merlin Falcón Migratorio	MERL							•	•			•		•	•	All	
110	<i>Falco peregrinus</i> Peregrine Falcon Falcón Peregrino	PEFA							•	•			•		•	•	All	
Psittacidae																		
111	<i>Brotogeris versicolurus</i> White-winged Parakeet Perico Aliblanco	WWPA		•								I	•	•	•	•	OD	
Tyrannidae																		
112	 <i>Elaenia martinica</i> Caribbean Elaenia Juí Blanco	CAEL	•										•	•	•	•	ULMC	
113	 <i>Contopus latirostris portoricensis</i> Puerto Rican Pewee Bobito de Puerto Rico	PRPE	•										•	•	•	•	ULM	
114	 <i>Myiarchus antillarum</i> Puerto Rican Flycatcher E Juí de Puerto Rico	PRFL	•										•	•	•	•	ULMC	

BIRD		ALPHA CODE	STATUS CODE										ABUNDANCE CODE				HABITAT
Family																	
Bird No.	Scientific name Common Name Nombre común		RB	R(B)	RN	SVB	SV(B)	SVN	WV	PM	AT	-	Spring	Summer	Fall	Winter	
 115	<i>Tyrannus dominicensis</i> Gray Kingbird Pitirre	GRAK	•										●	●	●	●	All
116	<i>Tyrannus caudifasciatus</i> Loggerhead Kingbird Clérigo	LOKI	•										●	●	●	●	LOD
Vireonidae																	
117	<i>Vireo griseus</i> White-eyed Vireo (1 sighting, 1 Mar. 2009) Vireo Ojiblanco	WEVI								•			•	?	?	?	UL
 118	<i>Vireo latimeri</i> Puerto Rican Vireo E Bien-te-veo	PRVI	•										●	●	●	●	UL
119	<i>Vireo olivaceus</i> Red-eyed Vireo Julián Chivi Ojirojo	REVI								•			•		•		UL
120	<i>Vireo altiloquus</i> Black-whiskered Vireo Julián Chivi	BWVI				•							●	●	●	•	ULOD
Hirundinidae																	
121	<i>Progne dominicensis</i> Caribbean Martin Golondrina de Iglesias	CAMA	•										●	●	●	•	All (fly over)
122	<i>Tachycineta bicolor</i> Tree Swallow Golondrina Bicolor	TRES							•	•			●	●	●	•	All (fly over)
123	<i>Riparia riparia</i> Bank Swallow Golondrina Parda	BANS								•			•		•		All (fly over)
 124	<i>Petrochelidon fulva</i> Cave Swallow Golondrina de Cuevas	CASW	•										●	●	●	●	All (fly over)
125	<i>Hirundo rustica</i> Barn Swallow Golondrina Horquillada	BARS							•	•			●	•	●	●	All (fly over)
Turdidae																	
126	<i>Catharus minimus</i> Gray-cheeked Thrush Zorzal Carigris	GCTH								•			•		•		ULM
127	<i>Catharus bicknelli</i> Bicknell's Thrush (2 netted, 20 years apart) Zorzal de Bicknell	BITH							•				•		•	•	ULM
128	<i>Catharus ustulatus</i> Swainson's Thrush Zorzal de Swainson	SWTH								•					•		UL
 129	<i>Turdus plumbeus</i> Red-legged Thrush Zorzal de Patas Coloradas	RLTH	•										●	●	●	●	ULODMC






BIRD		ALPHA CODE	STATUS CODE										ABUNDANCE CODE				HABITAT
Family																	
Bird No.	Scientific name Common Name Nombre común		RB	R(B)	RN	SVB	SV(B)	SVN	WV	PM	AT		Spring	Summer	Fall	Winter	
Mimidae																	
130	<i>Mimus polyglottos</i> Northern Mockingbird Ruisseñor	NOMO	•										●	●	●	●	ULODMC
131	<i>Margarops fuscatus</i> Pearly-eyed Thrasher Zorzal Pardo	PETH	•										●	●	●	●	All
Parulidae																	
132	<i>Seiurus aurocapilla</i> Ovenbird Pizpita Dorada	OVEN							•				●	•	●	●	ULMC
133	<i>Helmitheros vermivorum</i> Worm-eating Warbler Reinita Gusanera	WEWA							•	•			•		•	•	ULM
134	<i>Parkesia motacilla</i> Louisiana Waterthrush Pizpita de Río	LOWA							•				•	•	•	•	ULM
135	<i>Parkesia noveboracensis</i> Northern Waterthrush Pizpita de Mangle	NOWA							•				•		●	●	WMC
136	<i>Vermivora chrysoptera</i> Golden-winged Warbler Reinita Alidorada	GWWA							•				•		•	•	ULM
137	<i>Vermivora cyanoptera</i> Blue-winged Warbler Reinita Aliazul	BWWA							•				•		•	•	ULWMC
138	<i>Mniotilta varia</i> Black-and-white Warbler Reinita Trepadora	BAWW							•				•		●	●	ULODMC
139	<i>Protonotaria citrea</i> Prothonotary Warbler Reinita Protonotaria	PROW							•				•		•	•	ULODMC
140	<i>Limnithlypis swainsonii</i> Swainson's Warbler Reinita de Swainson	SWWA							•	•			•		•	•	ULM
141	<i>Geothlypis formosa</i> Kentucky Warbler Reinita de Kentucky	KEWA							•				•		•	•	ULM
142	<i>Geothlypis trichas</i> Common Yellowthroat Reinita Picatierra	COYE							•				•		•	•	LODMC
143	<i>Setophaga citrina</i> Hooded Warbler Reinita Encapuchada	HOWA							•				•		•	•	ULM
144	<i>Setophaga ruticilla</i> American Redstart Candelita	AMRE							•				•		●	●	ULODMC





BIRD		ALPHA CODE	STATUS CODE										ABUNDANCE CODE			HABITAT	
Family																	
Bird No.	√	Scientific name Common Name Nombre común	RB	R(B)	RN	SVB	SV(B)	SVN	WV	PM	AT	-	Spring	Summer	Fall	Winter	
145		<i>Setophaga tigrina</i> Cape May Warbler Reinita Tigre							•				•		•	•	ULODM
146		<i>Setophaga americana</i> Northern Parula Reinita Pechidorada							•				•		•	•	ULOMC
147		<i>Setophaga magnolia</i> Magnolia Warbler Reinita Manchada							•				•		•	•	ULOM
148		<i>Setophaga castanea</i> Bay-breasted Warbler Reinita Castaña							•						•		LM
149		<i>Setophaga fusca</i> Blackburnian Warbler Reinita de Fuego							•	•			•		•		ULM
150		<i>Setophaga petechia</i> Yellow Warbler Canario de Mangle	•						•				•	•	•	•	ODMC
151		<i>Setophaga pensylvanica</i> Chestnut-sided Warbler Reinita Flanquicastaña							•				•		•	•	ULM
152		<i>Setophaga striata</i> Blackpoll Warbler Reinita Rayada							•	•			•		•		ULM
153		<i>Setophaga caerulescens</i> Black-throated Blue Warbler Reinita Azul							•				•		•	•	ULM
154		<i>Setophaga palmarum</i> Palm Warbler Reinita Palmera							•				•		•	•	ODMC
155		<i>Setophaga coronata</i> Yellow-rumped Warbler Reinita Coronada							•				•		•	•	ULM
156		<i>Setophaga dominica</i> Yellow-throated Warbler Reinita Gargantiamarilla							•				•		•	•	MC
157		<i>Setophaga discolor</i> Prairie Warbler Reinita Galana							•				•		•	•	ULODMC
158		<i>Setophaga adelaidae</i> Adelaide's Warbler E Reinita Mariposera	•										•	•	•	•	ULOD
159		<i>Setophaga virens</i> Black-throated Green Warbler Reinita Verdosa							•				•		•	•	ULM
160		<i>Cardellina pusilla</i> Wilson's Warbler Reinita Gorrinegra							•				•		•	•	ULM



158

BIRD		ALPHA CODE	STATUS CODE										ABUNDANCE CODE				HABITAT
Family																	
Bird No.	Scientific name Common Name Nombre común		RB	R(B)	RN	SVB	SV(B)	SVN	WV	PM	AT	-	Spring	Summer	Fall	Winter	
Incertae Sedis																	
161	<i>Coereba flaveola</i> Bananaquit Reinita Común	BANA	•										●	●	●	●	All
Thraupidae																	
162	 <i>Nesospingus speculariferus</i> Puerto Rican Tanager E Llorosa	PRTA	•										●	●	●	●	UL
163	 <i>Spindalis portoricensis</i> Puerto Rican Spindalis E Reina Mora	PRSP	•										●	●	●	●	UL
Emberizidae																	
164	<i>Tiaris olivaceus</i> Yellow-faced Grassquit Gorrión Barba Amarilla	YFGR	•										●	●	●	●	OD
165	<i>Tiaris bicolor</i> Black-faced Grassquit Gorrión Negro	BFGR	•										●	●	●	●	All
166	 <i>Loxigilla portoricensis</i> Puerto Rican Bullfinch E Comeñame de Puerto Rico	PUEB	•										●	●	●	●	UL
Cardinalidae																	
167	<i>Piranga rubra</i> Summer Tanager Piranga Roja	SUTA							•	•						•	U
168	<i>Pheucticus ludovicianus</i> Rose-breasted Grosbeak Piquigrueso Rosado	RBGR							•				•		•	•	U/OD
169	<i>Passerina caerulea</i> Blue Grosbeak Picogrueso Azul	BLGR							•				•		•	•	LOD
170	<i>Passerina cyanea</i> Indigo Bunting Gorrión Azul	INBU							•				•		•	•	U/LOD
Icteridae																	
171	 <i>Agelaius xanthomus</i> Yellow-shouldered Blackbird E Mariquita de Puerto Rico	YSBL		•									•		•	•	LMC
172	<i>Quiscalus niger</i> Greater Antillean Grackle Mozambique, Chango	GAGR	•										●	●	●	●	ODMC
173	 <i>Molothrus bonariensis</i> Shiny Cowbird Tordo Lustroso	SHCO	•										●	●	●	●	All
174	<i>Icterus portoricensis</i> Puerto Rican Oriole E Calandria	PROR	•										●	●	●	●	U/LOD

BIRD		ALPHA CODE	STATUS CODE										ABUNDANCE CODE				HABITAT
Family																	
Bird No.	Scientific name Common Name Nombre común		RB	R(B)	RN	SVB	SV(B)	SVN	WV	PM	AT	I	Spring	Summer	Fall	Winter	
 175	<i>Icterus icterus</i> Venezuelan Troupial Turpial Venezolano	VETR	•										●	●	●	●	ULODMC
176	<i>Icterus galbula</i> Baltimore Oriole Calandria del Norte	BAOR							•	•			•		•		ULOD
Fringillidae																	
 177	<i>Euphonia musica</i> Antillean Euphonia Canario del País	ANEU	•										●	●	●	●	UL
Passeridae																	
178	<i>Passer domesticus</i> House Sparrow Gorrión Doméstico	HOSP	•									I	●	●	●	●	OD
Ploceidae																	
179	<i>Euplectes franciscanus</i> Orange Bishop Obispo Colorado	ORBI		•								I	●	●	●	●	OD
Estrildidae																	
180	<i>Estrilda melpoda</i> Orange-cheeked Waxbill Veterano	OCHW	•									I	●	●	●	●	OD
181	<i>Estrilda troglodytes</i> Black-rumped Waxbill Veterano Orejicolorado	BRUW		•								I	●	●	●	●	OD
182	<i>Euodice malabarica</i> Indian Silverbill Gorrión Picoplata	INSI		•								I	●	●	●	●	OD
183	<i>Spermestes cucullata</i> Bronze Mannikin Diablito	BRMA	•									I	●	●	●	●	OD
184	<i>Lonchura punctulata</i> Scaly-breasted Munia Gorrión Canela	NUMA		•								I	●	●	●	●	OD
Viduidae																	
185	<i>Vidua macroura</i> Pin-tailed Whydah Viuda Colicinta	PTWH		•								I	●	●	●	●	OD

BIRD PHOTOS

Each caption includes the species' checklist number and the common name for easy reference. (Bird photographs by Mike Morel)



5 White-cheeked Pintail



15 White-tailed Tropicbird



40 Black-necked Stilt



41 American Oystercatcher



42 Black-bellied Plover



44 Wilson's Plover



64 Laughing Gull



73 Sandwich Tern



76 Scaly-naped Pigeon



77 White-crowned Pigeon



80 Zenaida Dove



82 Common Ground-Dove

BIRD PHOTOS



83 Key West Quail-Dove



85 Ruddy Quail-Dove



88 Mangrove Cuckoo



89 Puerto Rican Lizard-Cuckoo **E**



90 Smooth-billed Ani



91 Puerto Rican Screech-Owl **E**



92 Short-eared Owl



94 Antillean Nighthawk



96 Puerto Rican Nightjar **E**



male



female

98 Antillean Mango

BIRD PHOTOS



102 Puerto Rican Emerald **E**



104 Puerto Rican Tody **E**



105 Belted Kingfisher



106 Puerto Rican Woodpecker **E**



108 American Kestrel



112 Caribbean Elaenia



113 Puerto Rican Pewee



114 Puerto Rican Flycatcher **E**



115 Gray Kingbird



118 Puerto Rican Vireo **E**



124 Cave Swallow

BIRD PHOTOS



129 Red-legged Thrush



131 Pearly-eyed Thrasher



male

144 American Redstart



female



158 Adelaide's Warbler **E**



162 Puerto Rican Tanager **E**



163 Puerto Rican Spindalis **E**



166 Puerto Rican Bullfinch **E**

BIRD PHOTOS



171 Yellow-shouldered Blackbird **E**



male



female

173 Shiny Cowbird



175 Venezuelan Troupial



male



female

177 Antillean Euphonia

BIRD HABITATS

Habitat photos follow a gradual elevational and vegetation gradient from interior upland forest down to the coast. (Habitat photographs by Jerry Bauer)



Upland Forest



Lowland Forest



Open



Disturbed

BIRD HABITATS



Wetlands



Mangrove



Coast

Arendt, W. J.; Faaborg, J.; Canals, M.; and Bauer, J. 2015. Bird checklist, Guánica Biosphere Reserve, Puerto Rico. Research Note SRS-23. Asheville, NC: U.S. Department of Agriculture Forest Service, Southern Research Station. 23 p.

This research note compiles 43 years of research and monitoring data to produce the first comprehensive checklist of the dry forest avian community found within the Guánica Biosphere Reserve. We provide an overview of the reserve along with sighting locales, a list of 185 birds with their resident status and abundance, and a list of the available bird habitats. Photographs of habitats and some of the bird species are included.

Keywords: Avian community, bird checklist, Guánica Biosphere Reserve, Puerto Rico.



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