

# BIRD WATCHING IN THE AZORES

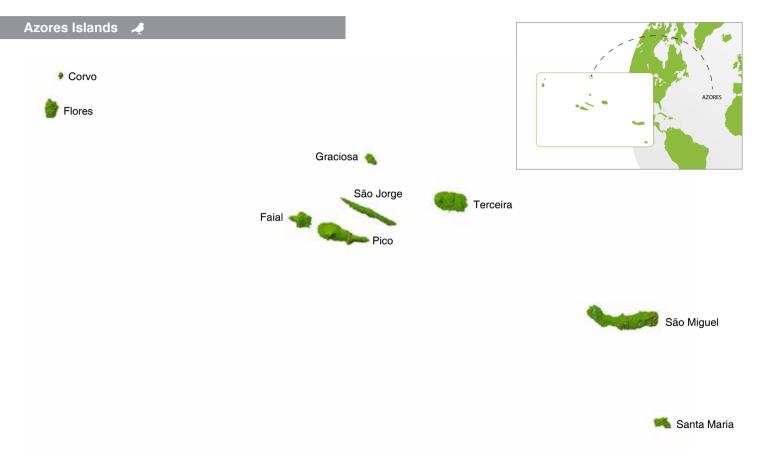
36° 55′ 44" N, 25° 01′ 02" W - Azores, PORTUGAL

BIRD WATCHING IN THE AZORES Azores Islands	04
BIRD WATCHING SPOTS Island of Santa MariaIsland of São Miguel	
Island of Terceira	
Island of GraciosaIsland of São Jorge	
Island of Pico	16
Island of Faial	18
Island of Flores	
HABITATS Important Habitats for Birds in the Azores Archipelago	24
AZORES BIRDS	28
Endemic SpeciesEndemic Subspecies	20 28
Residents	30
Residents	34 35
CHECKLIST OF THE BIRDS OF THE AZORES	36 49
HELPFUL LINKS	49
Further information	53



The Azores are known as an excellent destination for bird watching. In addition to the Azores bullfinch (Pyrrhula murina), one of the rarest birds in Europe and endemic to a small area of the island of São Miguel, and the monteiro's storm petrel (Oceanodroma monteiroi), an even rarer seabird endemic to the Azores that was discovered by the ornithologist Luís Monteiro, the highlights are the atlantic canary (Serinus canaria), an exclusive species of Macaronesia, and several subspecies such as the chaffinch (Fringilla coelebs moreletti), the São Miguel goldcrest (Regulus regulus azoricus). the Azores wood pigeon (Columba palumbus azorica), and the common buzzard (Buteo buteo rothschildi). The Azores also host the world's most important populations of the cory's shearwater (Calonectris diomedea borealis) and the roseate tern (Sterna dougallii). Altogether the archipelago showcases about 30 breeding species, but given its central position in the Atlantic Ocean, it stands out in terms of the observation of migratory birds from the American and Eurasian continents. The total number of species that have already been spotted in the archipelago is close to 400, including some extremely rare and some novelties for the Western Palearctic.

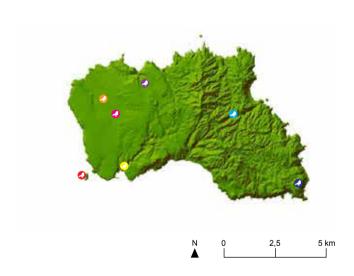
#### **BIRD WATCHING IN THE AZORES**



[5]

#### Island of Santa Maria





- Ilhéu da Vila e costa adjacente 36°56'34.57"N, 25°10'18.18"W
- Ribeira de São Francisco 36°56'47.53"N, 25°08'42.66"W
- Ponta do Castelo 36°55'45.76"N, 25°00'57.29"W
- Lagoa do Ginjal 36°58'39.73"N, 25°09'38.06"W
- Areão 36°59'05.39"N, 25°09'57.55"W
- Lagoa dos Milagres 36°59'57.41"N, 25°07'57.84"W
- Pedreira do Arrebentão 36°58'53.27"N, 25°3'36.56"W

#### Island of Santa Maria



The island of Santa Maria was probably the first to be discovered by the Portuguese navigator Goncalo Velho in 1431, since it is the one that lies closer to the European continent. Perhaps for the same reason, this island has been the first stop for many birds coming from Europe. Its geographical location along with its Mediterranean landscape, dry and unique in the region, has attracted birds of prey and passerines that are familiar with this type of habitat. Santa Maria has, along with the island of Terceira, one important colony

of the kentish plover (Charadrius alexandrinus). In 2010 and 2011, there were confirmed nestings of the American species the killdeer (Charadrius vociferus). The Vila Islet is also noteworthy, given that it hosts an important colony of several seabirds, such as the band-rumped storm petrel (Oceanodroma castro), the bulwer's petrel (Bulweria bulwerii) and the roseate tern (Sterna dougallii). In the central part of the island, we can find one of the three Azorean subspecies of the goldcrest (Regulus regulus sanctaemariae), which exists only on this island.

The Vila Islet is probably the best place in Europe to spot the sooty tern (Onychoprion fuscatus) (which has notified there a few times), the killdeer (Charadrius vociferus) and numerous holarctic rarities.

|6|

#### Island of São Miguel 🦼



5 10 km

- Mosteiros 37°53'55,25"N, 25°49'16,42"W
- Lagoa das Sete Cidades 37°51'18.75"N, 25°47'10.67"W
- Ponta Delgada e Rosto do Cão 37°44'23.29"N, 25°39'55.35"W
- Caloura/Ponta da Galera 37°42'28.50"N, 25°30'31.60"W
- Lagoa do Fogo 37°45'38.23"N, 25°28'49.15"W
- Lagoa e Achada das Furnas 37°45'58.31"N, 25°19'57.01"W
- Tronqueira 37°48'31.29"N, 25°10'26.82"W

#### Island of São Miguel 🦼

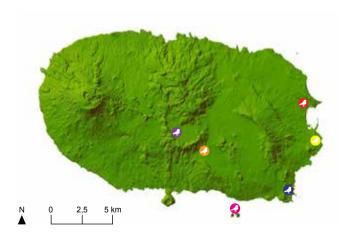


The largest and most populous island of the archipelago, São Miguel is world renown for its large lakes located inside volcanic craters. These lakes provide ideal conditions for water birds and waders from the four cardinal points, seeking rest and food after the long trips they have made. Only in the Azores can we find a variety of ducks from two continents within a single image. Many of these birds remain in the lakes from the autumn until late spring. The west area of the island, in the Sete Cidades Lakes (Lagoa das Sete Cidades), and

the coastal area of Mosteiros are excellent for finding occasional species. In the protected area of the Tronqueira Montain Range / Guilherme Stream (Serra da Tronqueira / Ribeira do Guilherme), we can find one of the two endemic birds of the archipelago, the azores bullfinch (*Pyrrhula murina*), which suffered great pressure in the past but has been recovering in the wake of several conservation projects. The only place in the world where the azores bullfinch (*Pyrrhula murina*) can be seen. All around the coast of São Miguel, especially on the waterfront of Ponta Delgada, several species of holarctic seagulls are spotted every year.

#### Island of Terceira





- Paul e Costa da Praia da Vitória 38°44'08.90"N, 27°03'39.96"W
- Pedreira do Cabo da Praia 38°42'12.28"N, 27°02'49.10"W
- Ponta das Contendas, Baía da Mina 38°39'01.89"N, 27°04'32.13"W
- Ilhéus das Cabras 38°37'58.77"N, 27°08'40.22"W
- Lagoa do Ginjal 38°41'59.00"N, 27°09'40.89"W
- Reservatório do Cabrito 38°42'27.13"N, 27°10'39.92"W

#### Island of Terceira





The old Cabo da Praia quarry, from where the raw material to build the port of Praia da Vitoria was extracted, has become one of the best locations to watch a wide variety of species of waders from both continents. Along with Paul da Praia, where the most diverse water birds get together. and the wet pastureland at the foot of the Cume Mountain Range (Serra do Cume), it turns Terceira Island into a paradise to find occasional species. The Bay and Port of Praia da Vitoria may contain large quantities and many varieties of seagulls, such as the

black-headed gull (Larus ridibundus) and the ring-billed gull (Larus delawarensis), especially in late winter and early spring. There is also an important colony of the common tern (Sterna hirundo) and of the roseate tern (Sterna dougallii), species that can be easily spotted from land with the help of a telescope. The immense wealth of its wetlands makes this island a great place for bird watching, not only during the autumn and winter but also during the remaining months. The Cabo da Praia quarry is certainly the best place in Europe to spot Nearctic waders, and the harbour of Praia da Vitória is a unique place for watching several rare species of seagulls.

| 10 |

#### Island of Graciosa 🦼



- Ilhéu da Praia 39°03'25.25"N, 27°57'19.93"W
- Ponta da Restinga e Ilhéu de Baixo 39°00'50.69"N, 27°57'09.52"W
- Ponta das Santa Cruz 39°05'11.44"N, 28°00'4.94"W
- Orto Afonso 39°03'58.16"N, 28°04'01.70"W
- Baía da Folga 39°01'04.29"N, 28°00'02.42"W

#### Island of Graciosa 🦼



The second smallest island of the archipelago would not be greatly important for bird watching if it were not for the existence of the rarest endemic bird of the Azores. the monteiro's storm petrel (Oceanodroma monteiroi). This seabird nests on the Baixo and Praia Islets. The protection status of these islets, which are important nesting sites for many seabirds, such as the roseate tern (Sterna dougallii), prevents people from visiting them. However, there is a local company that organises boat tours to places in the sea where the monteiro's storm petrel feeds.

During the tour, it is possible to spot other species of seabirds such as the cory's shearwater (*Calonectris diomedea borealis*) and other rarer ones.

The only place in the world where the extremely rare monteiro's storm petrel (*Oceanodroma monteiroi*) can be spotted.

| 12 |

#### Island of São Jorge 🦼



- Ponta dos Rosais 38°45'12.39"N, 28°18'40.78"W
- Fajã dos Cubres 38°38'17.03"N, 27°57'39.64"W
- Fajã de Santo Cristo 38°37'35.64"N, 27°56'03.26"W
- Planalto Central 38°39'19.28"N, 28°05'19.26"W
- Ilhéu e costa do Topo 38°32'55.01"N, 27°45'19.91"W

#### **BIRD WATCHING SPOTS**

#### Island of São Jorge 🦼



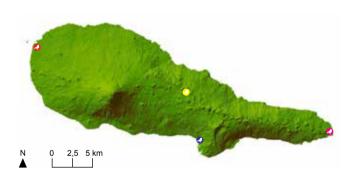


Fajã dos Cubres is certainly one of the best places for bird watching in the Azores. This coastal lagoon of brackish water has a long history in the spotting of occasional species, including many herons such as the green heron (Butorides virescens). the american bittern (Botaurus lentiginosus) and several ducks such as the blue-winged teal (Anas discors) and the american widgeon (Anas americana). Located in the westernmost tip of the island, the Topo Islet is an important nesting site for terns. These can be observed from

Topo with the help of a telescope. Its characteristic landscape, with numerous hiking trails through endemic forests, allows us to easily spot a goldcrest subspecies, the western azores goldcrest (*Regulus regulus inermis*), which is quite common on this island.

| 14 |

#### Island of Pico 🦼



#### **BIRD WATCHING SPOTS**

#### Island of Pico 🦼



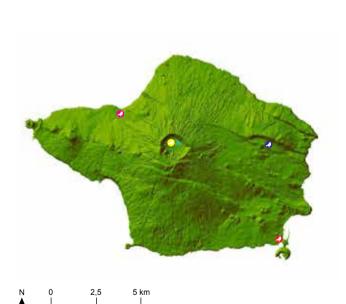
The island of Pico stands out for its great diversity of habitats. Laies do Pico is one of the best places to spot waders and herons, since it features a coastal saltwater wetland which is dry during low tide. This habitat, similar to continental estuaries, can act as a source of food for species such as the common greenshank (Tringa nebularia) and the little egret (Egretta garzetta), which remain there for long periods. Both in Madalena and Lajes do Pico, we can find companies that provide services geared towards the observation of seabirds. The lakes

and ponds of the interior plateau are excellent spots to find ducks, herons and even snipes, including the wilson's snipe (*Gallinago delicata*).

- Oosta da Madalena e ilhéus 38°32'05,47"N, 28°31'41,95"W
- Lagoas do Pico 38°28'39,95"N, 28°16'05,86"W
- Lajes do Pico 38°23'33,91"N, 28°15'04,09"W
- Ponta da Ilha 38°24'45,64"N, 28°01'50,45"W

| 16 |

#### Island of Faial 🦼



- Horta 38°31'42.63"N, 28°37'35.43"W
- Caldeira 38°35'15.85"N, 28°42'48.43"W
- Lagoa de Pedro Miguel 38°35'25.57"N, 28°38'30.86"W
- Praia do Norte 38°36'34.17"N, 28°45'29.85"W

#### **BIRD WATCHING SPOTS**

#### Island of Faial 🦼

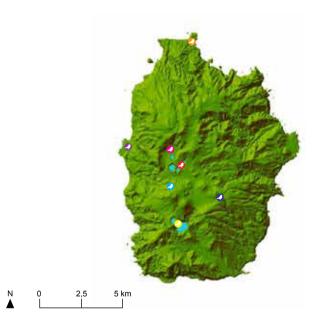


Faial is the closest island to some important fishing banks. such as the Azores Bank, the Princess Alice Bank and the Condor Bank. We still know very little about the potential of the Azores as a destination for watching occasional seabirds. but species such as the blackbrowed albatross (Thalassarche melanophrys) and the blackcapped petrel (Pterodroma hasitata) have already been spotted south of Faial. On land. we have the Pedro Miguel Pond (Lagoa Pedro Miguel), an excellent place to watch ducks

and herons, and the Caldera Lake (Caldeira) that is classified as a protected area. To visit this lake, one must request a permit from the Regional Secretariat for the Environment or be accompanied by a guide of the natural park of the island. The Capelinhos Volcano, the westernmost tip of the island, is a reference in terms of 'sea watching'.

| 18 |

#### Island of Flores 🦼



- Lagoa Negra, Comprida e Seca 39°26'36"N, 31°13'18"W
- Lagoa Rasa e Funda 39°24'30"N, 31°13'19.48"W
- Lagoa da Lomba 39°25'32.12"N, 31°11'19"W
- Caldeira Branca 39°26'55.97"N, 31°13'32.72"W
- Onta Delgada 39°31'11.12"N, 31°12'28.99"W
- Fajã Grande 39°27'28.22"N, 31°15'39.04"W
- Poço da Alagoinha 39°26'13.88"N, 31°14'19.43"W

#### Island of Flores 🦼



Flores is the closest island to the American continent and it is certainly the island with the greatest potential to spot passerines and other occasional Nearctic species. Flores features a high forest density and the abundant habitats do not make things easy for birdwatchers. But the possibility of finding a dream bird in an unexpected moment is certainly higher here. The Albernaz Lighthouse in the extreme northwest corner of the island has attracted extremely rare American birds. Places such as Fajã Grande, Ponta da Fajã

and Fajāzinha have proven to be excellent spots to find passerines such as the bobolink (*Dolichonyx oryzivorus*) and the rose-breasted grosbeak (*Pheucticus Iudovicianus*). The interior plateau with its unspoiled lakes has been the scene of fantastic sightings such as the wood duck (*Aix sponsa*) and the snowy owl (*Bubo scandiacus*). Those who want to visit the overcrowded twitcher heaven of Corvo can make the crossing from Flores daily by sea.

Nearest European location to North America, it makes us dream about an endless number of Nearctic rarities. Here one may spot ducks, waders and especially passerines.

| 20 |

#### Island of Corvo 🦼





- Caldeirão 39°42'43.44"N, 31°6'35.43"W
- Matos da zona Leste do Corvo 39°41'57.38"N, 31°05'16.76"W
- Costa Sul do Corvo 39°40'14.60"N, 31°07'06.74"W

#### **BIRD WATCHING SPOTS**

#### Island of Corvo 🦼





During the last decade, Corvo has been internationally highlighted as a haven for twitchers. Its small size and low forest density make it easy to find American passerines in small isolated woods, such as in the Canto Stream, the Fojo and the Cancela Stream, Waders and ducks concentrate in the beautiful Caldeirão Lake (Caldeirão). Flores and Corvo both have an impressive list of extremely rare species, some of which have never been spotted elsewhere in the Western Palearctic. The problem is overcrowding because there is only one accommodation

unit in the island's single town, and the few rooms available are booked well in advance. The neighbouring island of Flores may serve as a base to visit Corvo by boat and return on the same day. The holy-grail of European twitchers, because in addition to the expected rare water birds, the chances of spotting American passerines are quite high during autumn. But quite lower than the chances of meeting another birdwatcher...

| 22 |

#### **HABITATS**

#### Important Habitats for Birds in the Azores Archipelago 🙏



In general, in the Azores, the different habitats do not seem to condition the occurrence of birds in the same manner as in continents. Although the number of birds is usually higher at lower altitudes, nearly all the species of passerine birds of the Azores can be spotted in any habitat: forests, pastures, gardens, residential areas, lakes, etc. It is not always easy to define 'one' habitat when we want to describe the environment

where a species occurs. In fact, the different habitats often exist side by side or are mixed, with three or four different habitats appearing before us in a single image.

The human occupation of the archipelago over five hundred years has caused profound changes in the Azorean landscape, in the habitats and distribution of birds leading to total or local extinction of species, to the virtual disappearance of some species of seabirds, and the decrease in numbers of others, and also with the appearance of new ones (some introduced by humans).

#### **Marine Areas**

These include the entire Azorean coastline with beaches, rocky areas, cliffs, islets, as well as all the surrounding sea area. They are very important for all seabirds breeding in the region, with the archipelago hosting the largest colonies/populations of some of these species.



#### **Forest Areas**

There are exotic forests (japanese cedar, eucal/ptus, maritime pine, etc.), laurel/natural forests and mixed forests. The maintenance of natural forests is essential to the conservation of the azores bullfinch in São Miguel and very important for the survival of the eurasian woodcock as a breeding species. Forest areas are also very important for the goldcrest, the azores chaffinch and the azores wood pigeon.

[24]



#### Waterbodies

Streams, lakes and ponds – they are crucial for the survival of the resident population of the moorhen and also for the possible nesting of mallard and other species of ducks that spend the winter in the Azores. Some large lakes, especially in Flores and São Miguel, are an important resting, feeding and stopping place for several species of ducks that migrate or just pass by, as well as for the eurasian coot and the grey heron. Small lakes and places with a high density of ponds also play an important role as temporary resting and feeding places and are common in the medium and high altitude landscapes of several islands.



#### **Pastures**

They are perhaps the most iconic landscape of the region. They may be 'intensive pastures' or 'semi-natural pastures' at altitude. Occupying a larger surface, 'intensive pastures' generally lie at lower altitudes and are very important for the Azores quail and the island canary. 'Semi-natural pastures' are a very important habitat in the archipelago: their low cultivation level allows their coexistence with some natural habitats such as bogs (one of the major plant communities of the Azores), while being the only breeding site for the common snipe in the Azores archipelago.



#### **Artificial / Degraded Habitats**

This actually includes a diverse number of habitats. Some airports are noteworthy, since they are sought by birds given that they are quiet and offer good conditions for some species to feed and rest. The entire port area of Praia da Vitória as well as the Cabo da Praia quarry are important breeding sites for the kentish plover and for the occurrence of several species of waders, ducks, herons and seagulls. Other spots include water treatment plants, landfills, water reservoirs, etc.



[26]

#### **AZORES BIRDS**

#### **Endemic Species**





# **Azores bullfinch** *Pyrrhula murina*

Confined to a small area of São Miguel, between the Tronqueira Mountain Range (Serra da Tronqueira) and the Furnas Valley (Vale das Furnas), this is one of the most endangered and iconic species of the European continent.



#### Monteiro's storm petrel Oceanodroma monteiroi

Similar in size to a starling, it is the smallest seabird of the archipelago. As far as we know, it only breeds in the sea of Graciosa and on the Baixo and Praia Islets

#### **Endemic Subspecies**



#### **Azores quail**

Coturnix coturnix conturbans
This small galliforme subspecies is

endemic to the Azores and is present on all the islands of the archipelago.



Common buzzard
Buteo buteo rothschildi

This subspecies endemic to the Azores is the only daylight bird of prey of the region and is only not found in the Western Group.



# **Azores wood pigeon** *Columba palumbus azorica*

Subspecies endemic to the Azores, it is found throughout the archipelago, although it is rarely spotted in Corvo and Flores.



Azores grey wagtail Motacilla cinerea patriciae

Subspecies endemic to the Azores, it is very conspicuous and occurs in virtually all habitats, from sea level to the highest point of Mount Pico.



#### **Blackbird**

Turdus merula azorensis

Subspecies endemic to the Azores, it is very conspicuous, occurs on all the islands and is one of the best known and popular species among the azorean people.



#### Blackcap

Sylvia atricapilla atlantis/gularis

Is this subspecies endemic to the Azores or Macaronesia? This is still unsettled. Although it is a timid species, its abundance in the archipelago makes it relatively easy to spot.

[28]

#### **AZORES BIRDS**



#### Goldcrest Regulus regulus sanctaemariae/ azoricus/inermis

There are three subspecies in the Azores: one in Santa Maria, one in Sao Miguel and another one on the other islands except Corvo. It is the smallest bird in Europe, and its occurrence in the archipelago is closely associated with native vecetation.



#### **Azores starling** Sturnus vulgaris granti

Subspecies endemic to the Azores, it occurs on all the islands, although it appears to avoid altitudes above 600 metres



Chaffinch Fringilla coelebs moreletti

Occurring on all the islands, this subspecies endemic to the Azores is probably the most abundant and widely distributed bird throughout the archipelago.





## **Common moorhen** *Gallinula chloropus*

According to some, it is an azorean subspecies (correana), but for others it is the nominal subspecies. Not very abundant in the Azores archipelago, it only breeds in a few places in Flores, Terceira, São Miguel and Santa Maria.

#### **AZORES BIRDS**



# Kentish plover Charadrius alexandrinus Currently the only known nesting sites are in Terceira and Santa Maria.



#### Eurasian woodcock Scolopax rusticola

It shows a certain preference for higher altitude forest areas, with a clear preference for patches of native forest. It breeds on almost all the islands except Santa Maria and Graciosa.



# **Common snipe** *Gallinago gallinago*

Winterer. It is found especially at higher altitudes, where there are natural meadows and semi-natural pastures. It nests throughout the archipelago, with the exception of Graciosa and Santa Maria (where it is found during winter), since these two islands are very dry and do not feature suitable habitats.



Rock pigeon Columba livia

It is abundant on all the islands, nesting mainly on coastal cliffs and islets.

[31]

#### **MIGRATORY NESTING SEABIRDS**



### Long-eared owl

With a very discreet presence and rarely spotted, it is the only night time bird of prey of the Azores. With the exception of Corvo and Flores, where it does not appear to nest, it can be found on other islands of the archipelago.



#### European robin Erithacus rubecula

It can be spotted throughout the archipelago, with the exception of Flores and Corvo, and in virtually all types of land habitats.



#### Island canary Serinus canaria

It is present throughout the archipelago, and it is the 'bird' par excellence for the majority of the a zorean population.



Yellow-legged gull Larus michahellis

Abundant throughout the archipelago, it seems to have proliferated in recent years with the increase in the number of intensive pastures and landfills.



#### Cory's shearwater Calonectris diomedea

Summer migrant. This pelagic species which visits the Azores to breed can be found in the archipelago between March and mid-November.



#### Barolo shearwater Puffinus baroli

This miniature shearwater is a pelagic species that is found in the Azores archipelago between December and June, with sightings on all islands except Terceira.



#### Manx shearwater Puffinus puffinus

Summer migrant. It arrives in the Azores to reproduce, and despite there being sightings in the entire archipelago, currently it is only known to breed in Corvo and Flores.



#### Bulwer's petrel Bulweria bulwerii

Summer migrant. Although there are sightings of this species on the Praia and Baixo Islets (Graciosa), it is only known to breed on the Vila Islet off the coast of Santa Maria.



#### Bulwer's petrel Oceanodroma castro

Small pelagic migrant, very similar to the monteiro's storm petrel. Found in the archipelago between mid August and April, it only reproduces on the Praia and Baixo Islets (Graciosa) and on the Vila Islet (Santa Maria).

[33]

#### **MIGRATORY NESTING SEABIRDS**



#### Common tern Sterna hirundo

Summer migrant. Present on all the islands, it arrives in the Azores at the beginning of April and leaves in November after the breeding season.



Roseate tern Sterna dougallii

Summer migrant. It breeds in colonies mixed with the common tern, and despite its presence throughout the Azores archipelago, the roseate tern is much less abundant than the common tern

#### **RARITIES**



















[34]

#### **CHECKLIST OF THE BIRDS OF THE AZORES**

	Fulvous Whistling Duck   Dendrocygna bicolor
	Mute Swan   Cygnus olor
	Bean Goose   Anser fabalis
П	Pink-footed Goose   Anser brachyrhynchus
	Greater White-fronted Goose   Anser albifrons
	Greylag Goose   Anser anser
	Snow Goose   Anser caerulescens
	Canada Goose   Branta canadensis
$\overline{\Box}$	Barnacle Goose   Branta leucopsis
	Brant Goose   Branta bernicla hrota
	Ruddy Shelduck   Tadorna ferruginea
	Common Shelduck   Tadorna tadorna
$\overline{\Box}$	Wood Duck   Aix sponsa
	Eurasian Wigeon   Anas penelope
	American Wigeon   Anas americana
	Gadwall   Anas strepera
	Eurasian Common Teal   Anas crecca
	Green-winged Teal   Anas carolinensis
	Mallard   Anas platyrhynchos
	American Black Duck   Anas rubripes
	Northern Pintail   Anas acuta
	Garganey   Anas querquedula
	Blue-winged Teal   Anas discors
	Northern Shoveler   Anas clypeata
	Common Pochard   Aythya ferina
	Ring-necked Duck   Aythya collaris
	Ferruginous Duck   Aythya nyroca
	Tufted Duck   Aythya fuligula
	Greater Scaup   Aythya marila
	Lesser Scaup   Aythya affinis
	Common Eider   Somateria mollissima
	King Eider   Somateria spectabilis
	Long-tailed Duck   Clangula hyemalis
	Common Scoter   Melanitta nigra
	Surf Scoter   Melanitta perspicillata
	Bufflehead   Bucephala albeola
	Common Goldeneye   Bucephala clangula
	Hooded Merganser   Mergus cucullatus
	Red-breasted Merganser   Mergus serrator
	Common Merganser   Mergus merganser

_	Ruddy Duck   Oxyura jamaicensis
╡	
╡	Red-legged Partridge   Alectoris rufa
_	(Common Quail)   Coturnix coturnix coturnix
_	Common Quail   Coturnix coturnix conturbans
_	Red-throated Loon   Gavia stellata
	Black-throated Loon   Gavia arctica
	Great Northern Loon   Gavia immer
	Pied-billed Grebe   Podilymbus podiceps
	Little Grebe   Tachybaptus ruficollis
	Great Crested Grebe   Podiceps cristatus
	Horned Grebe   Podiceps auritus
	Black-necked Grebe   Podiceps nigricollis
	Black-browed Albatross   Thalassarche melanophris
	Northern Fulmar   Fulmarus glacialis
7	Herald Petrel   Pterodroma arminjoniana
=	Fea's Petrel   Pterodroma feae
_	Bermuda Petrel   Pterodroma cahow
=	Black-capped Petrel   Pterodroma hasitata
=	Bulwer's Petrel   Bulweria bulwerii
=	Cory's Shearwater   Calonectris diomedea borealis
=	Great Shearwater   Puffinus gravis
Ħ	Sooty Shearwater   Puffinus griseus
=	Manx Shearwater   Puffinus puffinus
=	Balearic Shearwater   Puffinus mauretanicus
╡	Macaronesian Shearwater   Puffinus baroli
=	Wilson's Storm-Petrel   Oceanites oceanicus
=	White-faced Storm-Petrel   Pelagodroma marina
╡	Leach's Storm-Petrel   Oceanodroma leucorhoa
=	Band-rumped Storm-Petrel   Oceanodroma castro
╡	Red-billed Tropicbird   Phaethon aethereus
_	
=	White-tailed Tropicbird   Phaethon lepturus
=	Masked Booby   Sula dactylatra
Ⅎ	Brown Booby   Sula leucogaster
=	Northern Gannet   Morus bassanus
_	Great Cormorant   Phalacrocorax carbo
=	Double-crested Cormorant   Phalacrocorax auritus
_	Magnificent Frigatebird   Fregata magnificens
╡ .	Eurasian Bittern   Botaurus stellaris
	American Bittern   Botaurus lentiginosus

#### **CHECKLIST OF THE BIRDS OF THE AZORES**

	Least Bittern   Ixobrychus exilis
	Little Bittern   Ixobrychus minutus
	Black-crowned Night Heron   Nycticorax nycticorax
	Yellow-crowned Night Heron   Nycticorax violaceus
	Green Heron   Butorides virescens
	Squacco Heron   Ardeola ralloides
	Cattle Egret   Bubulcus ibis
	Little Blue Heron   Egretta caerulea
	Tricoloured Heron   Egretta tricolor
	Snowy Egret   Egretta thula
	Western Reef Heron   Egretta gularis
	Little Egret   Egretta garzetta
	European Great Egret   Egretta alba alba
	(American Great Egret)   Egretta alba egretta
	Grey Heron   Ardea cinerea
	Great Blue Heron   Ardea herodias
	Purple Heron   Ardea purpurea
	Black Stork   Ciconia nigra
	White Stork   Ciconia ciconia
	Glossy Ibis   Plegadis falcinellus
	Northern Bald Ibis   Geronticus eremita
	Eurasian Spoonbill   Platalea leucorodia
	Greater Flamingo   Phoenicopterus roseus
	Swallow-tailed Kite   Elanoides forficatus
	Black Kite   Milvus migrans
	Red Kite   Milvus milvus
	Egyptian Vulture   Neophron percnopterus
	Western Marsh Harrier   Circus aeruginosus
	Northern Harrier   Circus cyaneus
Ц	(Marsh Hawk)   Circus cyaneus hudsonicus
Ш	Montagu's Harrier   Circus pygargus
Ц	Common Buzzard   Buteo buteo rotschildi
Ц	Rough-legged Buzzard   Buteo lagopus
Ш	Osprey   Pandion haliaetus
	Lesser Kestrel   Falco naumanni
$\sqcup$	Common Kestrel   Falco tinnunculus
닏	American Kestrel   Falco sparverius
	Red-footed Falcon   Falco vespertinus
	Amur Falcon   Falco amurensis
1 1	Merlin   Falco columbarius

	Thick- billed Murre   Uria Iomvia
	Eurasian Hobby   Falco subbuteo
	Peregrine Falcon   Falco peregrinus
	Water Rail   Rallus aquaticus
	Spotted Crake   Porzana porzana
	Sora   Porzana carolina
	Little Crake   Porzana parva
	Baillon's Crake   Porzana pusilla
	Corn Crake   Crex crex
	Common Moorhen   Gallinula chloropus
	Allen's Gallinule   Porphyrio alleni
	Purple Gallinule   Porphyrio martinica
	Eurasian Coot   Fulica atra
	American Coot   Fulica americana
	Common Crane   Grus grus
	Sandhill Crane   Grus canadensis
	Eurasian Oystercatcher   Haematopus ostralegus
	Black-winged Stilt   Himantopus himantopus
	Pied Avocet   Recurvirostra avosetta
	Eurasian Stone-Curlew   Burhinus oedicnemus
l	Little Ringed Plover   Charadrius dubius
	Common Ringed Plover   Charadrius hiaticula
	Semipalmated Plover   Charadrius semipalmatus
	Killdeer   Charadrius vociferus
	Kentish Plover   Charadrius alexandrinus
	Eurasian Dotterel   Charadrius morinellus
	Pacific Golden Plover   Pluvialis fulva
	American Golden Plover   Pluvialis dominica
	European Golden Plover   Pluvialis apricaria
	Grey Plover   Pluvialis squatarola
	Northern Lapwing   Vanellus vanellus
	Red Knot   Calidris canutus
	Sanderling   Calidris alba
	Semipalmated Sandpiper   Calidris pusilla
	Western Sandpiper   Calidris mauri
	Little Stint   Calidris minuta Temminck's Stint   Calidris temminckii
	Least Sandpiper   Calidris minutilla
	White-rumped Sandpiper   Calidris fuscicollis
	Baird's Sandpiper   Calidris bairdii
1	Dalid 3 Galidpiper   Galidila Dalidil

#### **CHECKLIST OF THE BIRDS OF THE AZORES**

Ш	Pectoral Sandpiper   Calidris melanotos	Ш	Long-tailed Jaeger   Stercorarius longicaudus
	Sharp-tailed Sandpiper   Calidris acuminata		Great Skua   Stercorarius skua
	Curlew Sandpiper   Calidris ferruginea		South Polar Skua   Stercorarius maccormicki
	Purple Sandpiper   Calidris maritima		Mediterranean Gull   Larus melanocephalus
	Dunlin   Calidris alpina		Laughing Gull   Larus atricilla
	Stilt Sandpiper   Calidris himantopus		Franklin's Gull   Larus pipixcan
	Buff-breasted Sandpiper   Tryngites subruficollis		Bonaparte's Gull   Larus philadelphia
	Ruff   Philomachus pugnax		Black-headed Gull   Larus ridibundus
	Jack Snipe   Lymnocryptes minimus		Audouin's Gull   Larus audouinii
	Common Snipe   Gallinago gallinago		Ring-billed Gull   Larus delawarensis
	Wilson's Snipe   Gallinago delicata		Mew Gull   Larus canus
	Short-billed Dowitcher   Limnodromus griseus		(American Mew Gull)   Larus brachyrhynchus
	Long-billed Dowitcher   Limnodromus scolopaceus		Lesser Black-backed Gull   Larus fuscus
	Eurasian Woodcock   Scolopax rusticola		European Herring Gull   Larus argentatus
	Black-tailed Godwit   Limosa limosa		American Herring Gull   Larus smithsonianus
	Hudsonian Godwit   Limosa haemastica		Yellow-legged Gull   Larus michahellis
	Bar-tailed Godwit   Limosa Iapponica		Iceland Gull   Larus glaucoides
	Whimbrel   Numenius phaeopus phaeopus		Glaucous Gull   Larus hyperboreus
	(Hudsonian Whimbrel)   Numenius phaeopus hudsonicus		Great Black-backed Gull   Larus marinus
	Slender-billed Curlew   Numenius tenuirostris		Black-legged Kittiwake   Rissa tridactyla
	Eurasian Curlew   Numenius arguata		Sabine's Gull   Xema sabini
	Upland Sandpiper   Bartramia longicauda		Little Gull   Hydrocoloeus minutus
	Spotted Redshank   Tringa erythropus		Gull-billed Tern   Gelochelidon nilotica
	Common Redshank   Tringa totanus		Caspian Tern   Hydroprogne caspia
	Marsh Sandpiper   Tringa stagnatilis		Royal Tern   Sterna maxima
	Common Greenshank   Tringa nebularia		Sandwich Tern   Sterna sandvicensis
	Greater Yellowlegs   Tringa melanoleuca		Roseate Tern   Sterna dougallii
	Lesser Yellowlegs   Tringa flavipes		Common Tern   Sterna hirundo
	Solitary Sandpiper   Tringa solitaria		Arctic Tern   Sterna paradisaea
	Green Sandpiper   Tringa ochropus		Forster's Tern   Sterna forsteri
	Wood Sandpiper   Tringa glareola		Bridled Tern   Onychoprion anaethetus
	Common Sandpiper   Actitis hypoleucos		Sooty Tern   Onychoprion fuscatus
	Spotted Sandpiper   Actitis macularius		Little Tern   Sternula albifrons
	Willet   Catoptrophorus semipalmatus		Whiskered Tern   Chlidonias hybrida
	Ruddy Turnstone   Arenaria interpres		Black Tern   Chlidonias niger
	Wilson's Phalarope   Phalaropus tricolor		(American Black Tern)   Chlidonias niger surinamensis
	Red-necked Phalarope   Phalaropus Iobatus		White-winged Tern   Chlidonias leucopterus
	Red Phalarope   Phalaropus fulicarius		Brown Noddy   Anous stolidus
	Pomarine Skua   Stercorarius pomarinus		Thick-billed Murre   Uria Iomvia
	Parasitic Jaeger   Stercorarius parasiticus		Razorbill   Alca torda

#### **CHECKLIST OF THE BIRDS OF THE AZORES**

Little Auk   Alle alle  Atlantic Puffin   Fratercula arctica Common Pigeon   Columba livia Common Wood Pigeon   Columba palumbus azorica Eurasian Collared Dove   Streptopelia decaocto European Turtle Dove   Streptopelia decaocto European Turtle Dove   Streptopelia turtur American Mourning Dove   Zenaida macroura Common Cuckoo   Cuculus canorus Black-billed Cuckoo   Coccyzus erythrophthalmus Yellow-billed Cuckoo   Coccyzus americanus Barn Owl   Tyto alba Snowy Owl   Bubo scandiacus Long-eared Owl   Asio otus Short-eared Owl   Asio flammeus European Nightjar   Caprimulgus europaeus Common Nighthawk   Chordeiles minor Chimney Swift   Chaetura pelagica Common Swift   Apus apus Pallid Swift   Apus pallidus Alpine Swift   Apus melba Little Swift   Apus affinis Common Kingfisher   Alcedo atthis Belted Kingfisher   Ceryle alcyon European Bee-eater   Merops apiaster European Roller   Coracias garrulus Eurasian Hoopoe   Upupa epops Northem Flicker   Colaptes auratus Yellow-bellied Sapsucker   Sphyrapicus varius Greater Short-toed Lark   Calandrella brachydactyla Crested Lark   Galerida cristata Eurasian Skylark   Alauda arvensis Sand Martin   Riparia riparia Tree Swallow   Tachycineta bicolor Purple Martin   Progne subis	000000000000000000000000000000000000000	Citrine Wagtail   Motacilla citreola Grey Wagtail   Motacilla cinerea patriciae White Wagtail   Motacilla alba alba Cedar Waxwing   Bombycilla cedrorum Bohemian Waxwing   Bombycilla garrulus Winter Wren   Troglodytes troglodytes Grey Catbird   Dumetella carolinensis European Robin   Erithacus rubecula Black Redstart   Phoenicurus ochruros Common Redstart   Phoenicurus phoenicurus Whinchat   Saxicola rubetra Common Stonechat   Saxicola torquatus Isabelline Wheatear   Oenanthe isabellina Northern Wheatear   Oenanthe oenanthe leucorrhod Black-eared Wheatear   Oenanthe hispanica Wood Thrush   Hylocichla mustelina Hermit Thrush   Catharus guttatus Grey-cheeked Thrush   Catharus minimus Swainson's Thrush   Catharus ustulatus Ring Ouzel   Turdus torquatus Common Blackbird   Turdus merula azorensis Naumann's Thrush   Turdus naumanni Fieldfare   Turdus pilaris Song Thrush   Turdus philomelos Redwing   Turdus iliacus Mistle Thrush   Turdus viscivorus Common Grashopper Warbler   Locustella naevia Sedge Warbler   Locustella schoenobaenus Paddyfield Warbler   Acrocephalus agricola
Eurasian Skylark   Alauda arvensis		Mistle Thrush   Turdus viscivorus
Sand Martin   Riparia riparia Tree Swallow   Tachycineta bicolor		Common Grashopper Warbler   Locustella naevia Sedge Warbler   Locustella schoenobaenus Paddyfield Warbler   Acrocephalus agricola

42

#### Willow Warbler | Phylloscopus trochilus Goldcrest | Regulus regulus inermis (Goldcrest) | Regulus regulus azoricus (Goldcrest) | Regulus regulus sanctaemariae Spotted Flycatcher | Muscicapa striata Red-breasted Flycatcher | Ficedula parva European Pied Flycatcher | Ficedula hypoleuca Eurasian Golden Oriole | Oriolus oriolus Red-backed Shrike | Lanius collurio Woodchat Shrike | Lanius senator ☐ Western Jackdaw | Corvus monedula Rook | Corvus fruaileaus Carrion Crow | Corvus corone corone Common Starling | Sturnus vulgaris granti House Sparrow | Passer domesticus Rock Sparrow | Petronia petronia Common Waxbill | Estrilda astrild ☐ White-eyed Vireo | Vireo griseus Yellow-throated Vireo | Vireo flavifrons Philadelphia Vireo | Vireo philadelphicus Red-eyed Vireo | Vireo olivaceus Common Chaffinch | Fringilla coelebs moreletti Brambling | Fringilla montifringilla European Serin | Serinus serinus Atlantic Canary | Serinus canaria European Greenfinch | Carduelis chloris aurantiiventris European Goldfinch | Carduelis carduelis parva European Siskin | Carduelis spinus Common Linnet | Carduelis cannabina Common Redpoll | Carduelis flammea Arctic Redpoll | Carduelis hornemanni Red Crossbill | Loxia curvirostra Azores Bullfinch | Pyrrhula pyrrhula murina Black-and-white Warbler | Mniotilta varia Blue-winged Warbler | Vermivora pinus ☐ Tennessee Warbler | Vermivora peregrina □ Northern Parula | Parula americana American Yellow Warbler | Dendroica petechia

Chestnut-sided Warbler | Dendroica pensylvanica

Black-throated Blue Warbler | Dendroica caerulescens

#### **CHECKLIST OF THE BIRDS OF THE AZORES**

Black-throated Green Warbler   Dendroica virens
Magnolia Warbler   Dendroica magnolia
Yellow-rumped Warbler   Dendroica coronata
Blackpoll Warbler   Dendroica striata
American Redstart   Setophaga ruticilla
Ovenbird   Seiurus aurocapilla
Northern Waterthrush   Seiurus noveboracensis
Common Yellowthroat   Geothlypis trichas
Hooded Warbler   Wilsonia citrina
Canada Warbler   Wilsonia canadensis
Summer Tanager   Piranga rubra
Scarlet Tanager   Piranga olivacea
Savannah Sparrow   Passerculus sandwichensis
Lincoln's Sparrow   Melospiza lincoilnii
White-crowned Sparrow   Zonotrichia leucophrys
Dark-eyed Junco   Junco hyemalis
Lapland longspur   Calcarius Iapponicus
Snow Bunting   Plectrophenax nivalis
Dickcissel   Spiza americana
Rose-breasted Grosbeak   Pheucticus Iudovicianus
Blue Grosbeak   Guiraca caerulea
Indigo Bunting   Passerina cyanea
Bobolink   Dolichonyx oryzivorus
Northern Oriole   Icterus galbula
Category D-E species:
Mandarin Duck   Aix galericulata
Northern Bobwhite   Colinus virginianus
Grey Partridge   Perdix perdix
Common Pheasant   Phasianus colchicus
Helmeted Guineafowl   Numida meleagris
Rose-ringed Parakeet   Psittacula krameri
Blue Jay   Cyanocitta cristata
Black-rumped Waxbill   Estrilda troglodytes
Yellow-fronted Canary   Serinus mozambicus
 illad bu Chaffer Badabarad

#### Compiled by Staffan Rodebrand

Include all known observations and published rarity reports up to 31/12 2011.

For details and references, see detailed rarity lists on Birding Azores website: www.birdingazores.com

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#### **NOTES**

| 46 |

#### **NOTES**

#### **HELPFUL LINKS**

#### **Further information**



#### online

- www.birdingazores.com
- avesdosazores.wordpress.com
- azoresbs.weebly.com
- Rarities of the Azores: www.birdingazores.com/?page=rarebirdref&id=2http://
- www.spea.pt
- centropriolo.spea.pt

#### guidebooks

- Rodrigues, Pedro; Michielsen, Gerbrand, Observação de Aves nos Açores, Artes e Letras (2010)
- Pereira, Carlos, Aves dos Acores, SPEA (2010)

#### bird watching companies

www.visitazores.com/en/experience-the-azores/other/birdwatching/structures

#### tourism Information

www.visitazores.com

#### how to get to the Azores:

www.visitazores.com/en/the-azores/how-to-get-there

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