

Sicilian ornithological report 2021 (Sicily, Italy)

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ABSTRACT

Useful documents such as Ornithological Reports are no longer published, although these types of publications help us to evaluate population trends: the IUCN status of each species is influenced by this kind of documentations, and they are useful also to improve knowledge on migratory movements and, generally, on animal ecology. A report often collects also information from citizens: involving citizens in science projects has a strong positive response on their lives and their sensitivity to environmental issues. Given this importance, it seemed reasonable to us to work on a report which includes all the most important observations of birds of 2021. The importance rank was evaluated on the basis of the number of individuals or their unusual phenology. Every year, a high number of observations of wild animals are reported in several social media. These observations/records are lost if no one collects, validates and publishes them. All the data we present have been collected either from several digital channels of information, such as Ornitho, Ubird, eBird, INaturalist, Facebook groups, Trektellen.org or directly from birdwatchers. They include noteworthy observations about 185 species observed in Sicily during the year 2021 and, in addition, 109 species listed in a separate table because of fragmented or useless information.

KEY WORDS

Ornithological report; annotated list; birds; Sicily.

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INTRODUCTION

Reports have been used widely as instruments to gain a better knowledge of the conservation status of treated species (Ligon et al., 1986) as well as for obtaining new information about their ecology (Aslan & Rejmánek, 2010). As a matter of fact, this type of work could also improve the level of knowledge about the bird ecology and distribution in relation to other types of work, such as the Sicilian Avifauna CheckList (Massa et al., 2021).

The first Sicilian report dates back to 1982, thanks to the work of Iapichino, who continued to

publish this collection of observations of interest up to 1989 (Iapichino, 1983, 1984, 1985, 1989, 1993).

Since 1989, no one had ever worked on this kind of publication. Certain of the usefulness of such publications, it was deemed appropriate to relaunch the Ornithological Sicilian report in the hope that many enthusiasts, birdwatchers, and ornithologists will contribute to its growth over time.

In this summary, we present all the collected observations of 2021 that were considered as unusual and noteworthy, in Sicily (Fig. 1). Observations were selected based on their importance for wintering, nesting, wandering, curiosity or local interest.

Some species observed in 2021 are in Table 1 because the observations of these species are fragmentary and do not add anything to the knowledge previously held of these species. These are mainly sedentary or migratory species for which the data provided is absolutely insufficient for a discussion.

For most of the part, the reports come from Ornitho, Ubird, eBird, INaturalist, EBN Sicilia mailing list, and Facebook groups such as Fauna siciliana, Bird ID Italia, Uccelli d'Italia - Birds of Italy, EBN ITALIA il birdwatching italiano, La fauna di Messina e provincia, Conoscere gli uccelli. As a matter of fact, these observations remain most of the time confined in these virtual spaces and are often left unnoticed by scientists. Involving citizens in real scientific projects could have benefits for their private sphere as well as amplify the effort and the results of scientific projects (Pocock et al., 2018). These types of observations are growing thanks to photographers which start to take photos also of birds.

The IUCN lists on its website the three parameters that allow them to assess the extinction risk of

a species. The first two are related to the size of the population and to the breadth of the range.

The third parameter is based on population trend, and it is important to correctly determine the status of a species. Reports provide us useful data to assess species trends and are therefore a very useful bellwether for planning possible conservation actions. Therefore, it is important to keep publishing this kind of research given that they are the basis of conservation projects.

Species sequence and nomenclature: Baccetti, Fracasso & COI, 2020.

ABBREVIATIONS. The list was compiled with the data provided by the following collaborators: AB: Antonino Barbera; ABE: Alessandro Bertoli; AC: Andrea Corso; ACA: Andrea Cairone; ACI: Andrea Ciaccio; ACU: Andrea Cusmano; AL: Aldo Lauricella; AM: Alessandro Motta; AO: Antonio Orlando; AS: Adele Schittone; ASC: Angelo Scuderi; AT: Antonino Torre; CC: Carlo Capuzzello; DD: Davide D'Amico; DF: Debora Falzolgher; DG: Danilo Graffeo; DGRI: Dario Grimaldi; EG: Egle Gambino; EL: Enzo Lombardo; ES: Enzo Sciabica;

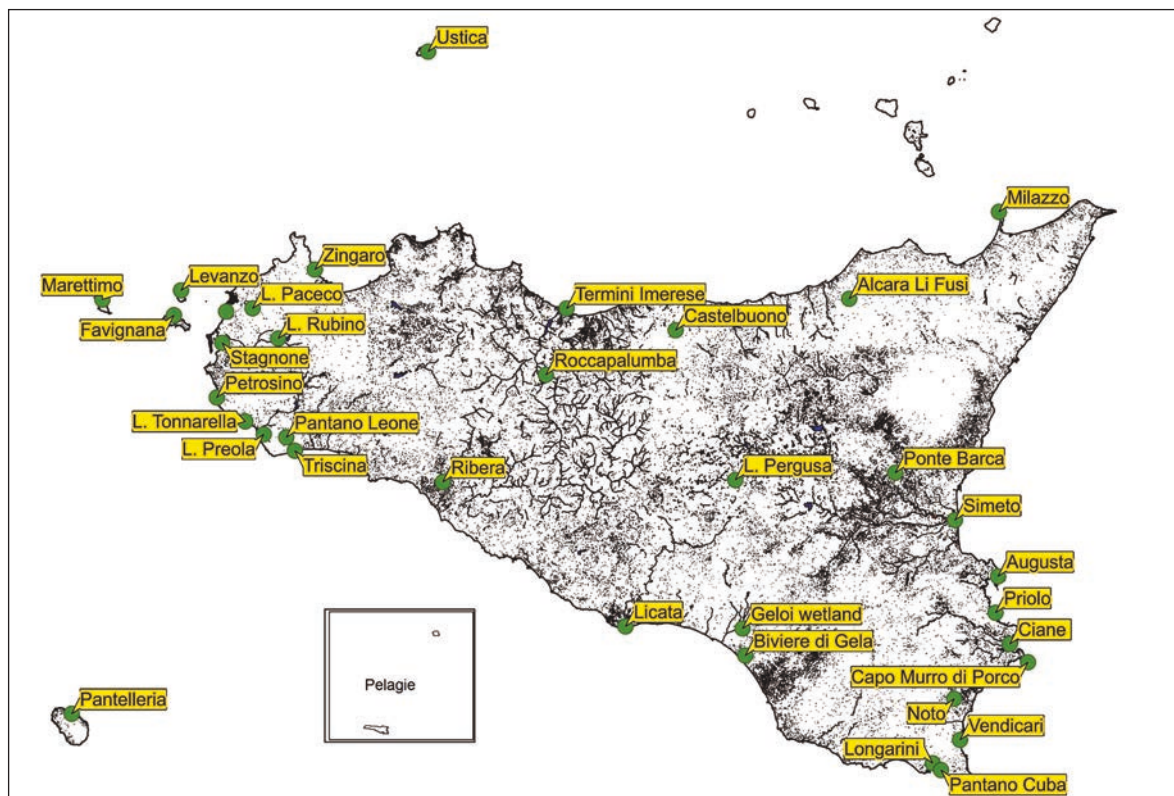


Figure 1. Study area: Sicily (Italy).

FC: Fabio Cilea; FCI: Fabrizio Cimino; FDB: Francesca De Blasi; FF: Fabio Federico; FJP: Fiott Jean Paul; FLF: Filippo La Fauci; FP: Francesco Palazzolo; FPF: Francesco Paolo Faraone; GB: Giuseppe Bono; GC: Giuseppe Citino; GCU: Giovanni Cumbo; GG: Giorgia Gaibani; GI: Gaspare Indelicato; GIB: Giampiero Bonaccorsi; GLF: Giovanni La Francesca; GLG: Giovanni La Grua; GM: Giuseppe Minuta; GR: Giuseppe Rannisi; GS: Giovanni Soldato; GT: Giancarlo Torre; IR: Iacopo Romano; LB: Luigi Barraco; LBO: Luca Bonomelli; LN: Luca Nigro; LR: Luciano Ruggieri; MISC: Malati d'Isolitudine allo Stato Cronico; MG: Maya Gerber; MN: Martina Natale; MS: Marco Sozzi; MT: Matteo Toller; MV: Marcella Venezia; MZ: Manuel Zafarana; NP: Nino Patti; OJ: Ottavio Janni; PF: Pietro Ferrandes; PG: Paolo Galasso; RI: Renzo Ientile; RV: Roberto Vento; SB: Salvatore Bondi; SBE: Simone Bellomo; SM: Salvatore Mineo; SS: Salvatore Surdo; US: Ursula Scuderi; VT: Valentina Tozier; ind: specimen/s.

ANNOTATED LIST OF SPECIES OBSERVED IN SICILY IN 2021

GALLIFORMES PHASIANIDAE

Alectoris rufa (Linnaeus, 1758) Red-legged Partridge

A breeding population in Lampedusa (AL); also reported 1-2 ind for Favignana from 2 to 26.III-30.IV (SS) and Levanzo on 7.XI (ATA).

Phasianus colchicus Linnaeus, 1758 Common Pheasant

A breeding population found in Palermo-Boccadifalco Airport and Levanzo Island.

ANSERIFORMES ANATIDAE

Anser anser (Linnaeus, 1758) Greylag Goose

A single observation in Longarini from 23.I to 12.II (PG); another ind at Tonnarella from the 27 to the 31.XII (GI, DD).

Anser albifrons (Scopoli, 1769) Greater white-fronted Goose

1 pair in Porto Empedocle (AG) from the end of October until the 31.XII (ACU).

Mergus serrator Linnaeus, 1758 Red-breasted Merganser

1 ind in Lampedusa from 6 to 8.XI (LBO, GS); another 1 ind in Linosa on 11.XI (OJ); 1 ind in Palermo on 28.XI (GCU); also 1 ind in Laguna di Tonnarella (TP) and 3 ind in Stagnone di Marsala during the 21.XII (SS).

Tadorna tadorna (Linnaeus, 1758) Common Shelduck

Maximum 163 ind in the saltpans of Trapani, 7.III (SS).

Marmaronetta angustirostris (Ménétriés, 1832) Marbled Duck

2-4 ind at pantano Longarini from 21.V to XII (PG).

Netta rufina (Pallas, 1773) Red-crested Pochard

1 breeding couple at Pantano Longarini (Galasso e Romano, 2021); 1 ind in Paternò on 21.IX (FJP).

Aythya ferina (Linnaeus, 1758) Common Pochard
Maximum 500 ind at Ponte Barca on 6.XI (FJP).

Aythya nyroca (Güldenstädt, 1770) Ferruginous Duck

About 50 ind at Lago Preola on 12.IX (SS).

Aythya fuligula (Linnaeus, 1758) Tufted Duck

About 50 ind at Lago Preola on 12.IX (SS).

Aythya marila (Linnaeus, 1761) Greater Scaup

1 ind in Tonnarella (TP) from the 19 to the 31.XII (ES, ADL, GI, SS, DM, GM).

Spatula querquedula (Linnaeus, 1758) Garganey

Maximum 220 ind in Termini Imerese on 18.VIII (GCU).

Spatula clypeata (Linnaeus, 1758) Northern Shoveler

Maximum 680 ind in Vendicari on 21.XI (FC).

Mareca strepera (Linnaeus, 1758) Gadwall

Most 400 ind at pantano Longarini and 160 ind in Cuba marsh on 30.XII (PG).

Mareca penelope (Linnaeus, 1758) Eurasian Wigeon

Maximum 540 ind at Pantano Longarini and 80 ind in Cuba marsh the 23.XII (PG).

Anas platyrhynchos Linnaeus, 1758 Mallard
About 202 ind at Longarini the 30.VII (PG, IR).

Anas acuta Linnaeus, 1758 Northern Pintail
No less than 40 ind at Pantano Leone on 20.XI (GI).

Anas crecca Linnaeus, 1758 Eurasian Teal
Maximum 646 ind at Biviere of Gela on 22.I (EG).

PODICIPEDIFORMES PODICIPEDIDAE

Tachybaptus ruficollis (Pallas, 1764) Little Grebe
Up to 90 ind on Pergusa's lake the 3.X (AN).

Podiceps cristatus (Linnaeus, 1758) Great crested Grebe
Maximum 70 ind in the Stagnone of Marsala on 21.XII (SS).

Podiceps nigricollis C.L. Brehm, 1831 Black-necked Grebe.
Up to 120 ind in the lake of Pergusa on 27.III (DR).

PHOENICOPTERIFORMES PHOENICOPTERIDAE

Phoenicopterus roseus Pallas, 1811 Greater Flamingo
Maximum 1095 ind at the Salt pans of Trapani and Marsala on 7.XII (SS, GCO, LB, NT).

COLUMBIFORMES COLUMBIDAE

Columba oenas Linnaeus, 1758 Stock Dove
5 ind on 17.X in Pantelleria (ABE, GC, MT); another ind in Linosa on 20 and 22.X (OJ); 1 ind in Ustica on 30.X (MT).

Spilopelia senegalensis (Linnaeus, 1766) Laughing Dove
A breeding population has been found recently in Mazara Del Vallo (AB, ES).

CAPRIMULGIFORMES CAPRIMULGIDAE

Caprimulgus europaeus Linnaeus, 1758 European Nightjar
1 early record (a migrant arriving from the South) in Petrosino on 10.IV (SS).

APODIFORMES APODIDAE

Tachymarptis melba (Linnaeus, 1758) Alpine Swift
Up to 400 ind in Modica on 31.III (IR).

GRUIFORMES RALLIDAE

Crex crex (Linnaeus, 1758) Corn Crake
One ind dead ind in Linosa on October (AC).

Porzana porzana (Linnaeus, 1766) Spotted Crake
One ind in Sciacca (AG) on 10.III (GB).

Zapornia parva (Scopoli, 1769) Little Crake
1 at pantano Longarini on 4.VI (PG); 1 at Ponte Barca (CT) on XI (SM); 1 at pantano Leone (TP) on 10.XI (ES).

Fulica atra Linnaeus, 1758 Eurasian Coot
A maximum of 2000 ind at Lake of Pergusa on 3.X (AN).

GRUIDAE

Grus grus (Linnaeus, 1758) Common Crane
Some observation of individuals in flight during the winter, one individual observed perching on the ground at Trapani's Salt pans on 30.XII (SS).

CICONIIFORMES CICONIIDAE

Ciconia nigra (Linnaeus, 1758) Black Stork
Up to 19 ind in Messina on 24.III (Trek-tellen.org); 1 juvenile at Capo Feto (TP) 07.XI (AB); another juvenile at Lake Paceco (TP) on 12.XI (AB).

Ciconia ciconia (Linnaeus, 1758) White Stork
Maximum 107 ind in Messina on 7.V (Trek-tellen.org).

PELECANIFORMES THRESKIORNITHIDAE

Platalea leucorodia Linnaeus, 1758 Eurasian Spoonbill



Figure 2. Eastern imperial Eagle *Aquila heliaca*: Lake Paceco, 14.XI.2021 (photo by D. D'Amico).



Figure 3. Red-tailed Shrike *Lanius phoenicuroides*: San Filippo del Mela (Messina), 16.V.2024 (photo by D. D'Amico).

Regular migrant and wintering, up to 126 ind in the Salt pans of Trapani on 3.X (GCU).

Plegadis falcinellus (Linnaeus, 1766) Glossy Ibis
Regular migrant, maximum 39 ind in Petrosino on 30.III (SS); one wintering in Stagnone di Marsala on 13.XII (GCU).

ARDEIDAE

Botaurus stellaris (Linnaeus, 1758) Eurasian Bittern
1-2 ind at Longarini from the I to IV (GT); 1 ind in Ramacca (CT) on 18.II (RI); 1 ind on Linosa on IV and V (OJ); also 2-3 ind other again in Linosa on 28.X (LN, OJ); 2 ind in Paternò (CT) on 6.XI (FJP); 1 ind in Simeto River on 14.XI (MG); and another ind at Ponte Barca on 20.XI (GIB).

Ixobrychus minutus (Linnaeus, 1766) Little Bittern
Regular migrant, localized breeder, no observations of overwintering individuals. During the migration, about 11 ind were observed off the coast of Marsala on 6. V (SS, CC).

Nycticorax nycticorax (Linnaeus, 1758) Black-crowned night Heron
Regular migrant, localised breeder, no observations of overwintering individuals. 1 late migrant in Lampedusa on 3.XI (LBO, NA, DP).

Ardeola ralloides (Scopoli, 1769) Squacco Heron
Regular migrant, localised breeder, no observations of overwintering individuals.

Bubulcus ibis (Linnaeus, 1758) Western cattle Egret
Up to 100 ind around the Rubino dam, on 18.VIII (AB); also 108 ind in the Ciane River (SR) on 29.XII (FC).

Ardea cinerea Linnaeus, 1758 Grey Heron
Maximum 227 ind at Priolo Salt pans on 22.IX (FC).

Ardea purpurea Linnaeus, 1766 Purple Heron
Maximum 32 ind in Milazzo (ME), on 24.IV (AT), 17 ind in migration in Ustica on 17.IV (RV, DA).

Ardea alba Linnaeus, 1758 Great Egret
Regular migrant and wintering. Up to 9 ind in

Pantano Cuba and 83 in Pantano Longarini on 3.I (GT).

Egretta garzetta (Linnaeus, 1766) Little Egret
Regular migrant and wintering. Max 321 ind at Pantano Cuba and 173 ind at Pantano Longarini on 13.VIII (PG).

SULIFORMES SULIDAE

Morus bassanus (Linnaeus, 1758) Northern Gannet
Regular migrant and wintering. Maximum 20 ind in Augusta on 11.II (SMA).

PHALACROCORACIDAE

Gulosus aristotelis desmarestii (Payraudeau, 1826)
European Shag
Two observation in Pantelleria in two different date: on 12.IX (ATA) and on 18.X (MT); 1 juvenile in Ustica from the 24.VIII to the 13.XI (MC, MT).

Phalacrocorax carbo (Linnaeus, 1758) Great Cormorant
Regular migrant and wintering. At least 812 ind in Pantano Longarini on 7.I (GT).

CHARADRIIFORMES BURHINIDAE

Burhinus oedicephalus (Linnaeus, 1758) Eurasian Stone Curlew
Regular migrant and wintering. Increasing as a breeder. Up to 81 ind in Gela on 21.II (RLD); 77 ind in Magnisi peninsula on 2.X (FC), two chicks of about three weeks, killed by a dog at Roccapalumba on 18.X (ACA).

HAEMATOPODIDAE

Haematopus ostralegus Linnaeus, 1758 Eurasian Oystercatcher
Up to 53 ind in the Priolo Salt pans on 28.VII (FC). No records during the winter.

RECURVIROSTRIDAE

Recurvirostra avosetta Linnaeus, 1758 Pied Avocet
Regular migrant, localized as wintering and breeder. Up to 100 ind at Salt pans of Trapani on 31.X (LB).

Himantopus himantopus (Linnaeus, 1758) Black-winged Stilt

Up to 262 ind at Pantano Longarini on 23.VII (PG).

CHARADRIIDAE

Pluvialis squatarola (Linnaeus, 1758) Grey Plover
Regular migrant and wintering. A record of 33 ind at Pantano Longarini on al pantano 3.I (GT).

Pluvialis apricaria (Linnaeus, 1758) European golden Plover

Regular migrant and wintering. A maximum of 700 ind at Gelo marsh (MZ).

Eudromias morinellus (Linnaeus, 1758) Eurasian Dotterel

Up to 3 ind in Linosa on 4.X (GG), there is a little number of observations that are not made in the little islands around Sicily: 1 in Salemi on 28.IX (GC) and 1 in Castronovo di Sicilia on 14.IX (RLD).

Charadrius hiaticula Linnaeus, 1758 Common ringed Plover

Regular migrant and wintering. Maximum 50 ind at Pantano Longarini on 23.VIII (PG).

Charadrius dubius Scopoli, 1786 Little ringed Plover

Regular migrant and localised wintering and breeding. Up to 159 ind at Pantano Longarini on 30.VII (PG, IR).

Charadrius alexandrinus Linnaeus, 1758 Kentish Plover

Regular migrant and wintering, decreasing breeding. Maximum 65 ind in the lagoon of Tonnarella, on 21.XII (SS).

Vanellus vanellus (Linnaeus, 1758) Northern Lapwing

Regular migrant and wintering. A maximum of 360 ind in Augusta (DGR).

SCOLOPACIDAE

Numenius phaeopus (Linnaeus, 1758) Eurasian Whimbrel

Regular migrant. More than 70 ind in Scicli on 28.III (IR).

Numenius arquata (Linnaeus, 1758) Eurasian Curlew

Regular migrant and wintering. Up to 45 ind at Biviere di Gela on 22.I (EG).

Limosa lapponica (Linnaeus, 1758) Bar-tailed Godwit

Regular migrant and irregular wintering. Seven ind at Salt pans of Trapani on 8.X (LB).

Limosa limosa (Linnaeus, 1758) Black-tailed Godwit

Regular migrant and irregular wintering. Maximum 52 ind at Gela on 4.IV (AN).

Arenaria interpres (Linnaeus, 1758) Turnstone

Regular migrant and wintering. A maximum of 20 ind in the Salt pans of Trapani on 7.IX (SS).

Calidris canutus (Linnaeus, 1758) Red Knot

One ind at Giarre (CT) on 1.IX (RG); 1 ind in the Salt pans of Trapani, on 10.X (LB), 8 ind at Salina Fiume (TP) on 16.X (DM, GMI).

Calidris pugnax (Linnaeus, 1758) Ruff

Regular migrant and wintering. Maximum 35 ind at Margi Spanò on 27.II (ACU).

Calidris falcinellus (Pontoppidan, 1763) Broad-billed Sandpiper

Irregular migrant. One ind in Pantano Longarini on 3.IX (PG) and 1 at Salt pans of Siracusa on 27.IX (RI).

Calidris ferruginea (Pontoppidan, 1763) Curlew Sandpiper

Regular migrant. At least 450 ind at Pantano Cuba on 13.VIII (PG).

Calidris temminckii (Leisler, 1812) Temminck's Stint

Regular migrant and wintering. A maximum of 3 ind were observed in the Salt pans of Trapani on 7.XII (SS).

Calidris alba (Pallas, 1764) Sanderling

Regular migrant and wintering. Up to 24 ind in Triscina on 11.IX (AB).

Calidris alpina (Linnaeus, 1758) Dunlin

Regular migrant and wintering. Maximum 250 ind at Tonnarella on 7.XII (SS).

Calidris minuta (Leisler, 1812) Little Stint

Regular migrant and wintering. Maximum 550 ind at Pantano Longarini on 21.XII (PG, IR).

Gallinago gallinago (Linnaeus, 1758) Common Snipe

More than 30 ind at Pantano Leone on 21.II (AB); about 89 ind in the same place on 21.XI (AB).

Lymnocyptes minimus (Brünnich, 1764) Jack Snipe

Regular migrant and irregular wintering. Four-five ind at Salt pans of Trapani from the 21 to the 30.XII (SS).

Phalaropus lobatus (Linnaeus, 1758) Red-necked Phalarope

One ind on 18.IX (FF) and also on 19.IX (FC) in Venticari; another one on 17.X (FDB) and during both the 18.X and the 20.X (FC) in the Salt pans of Priolo.

Actitis hypoleucos (Linnaeus, 1758) Common Sandpiper

Regular migrant and wintering. Up to 20 ind in Pantano Longarini on 6.VIII (PG, IR).

Tringa ochropus Linnaeus, 1758 Green Sandpiper

Regular migrant and wintering. There is no proof of breeding for the 2021. Up to 6 ind in Gela on 6.IV (CC).

Tringa erythropus (Pallas, 1764) Spotted Redshank

Regular migrant and wintering. Maximum 103 ind at Pantano Cuba on 23.VIII (PG).

Tringa nebularia (Gunnerus, 1767) Common Greenshank

Regular migrant and wintering. Up to 127 ind at Pantano Cuba on 13.VIII (PG).

Tringa totanus (Linnaeus, 1758) Common Redshank

Regular migrant and wintering. Up to 100 ind at Pantano Cuba on 23.VIII (PG).

Tringa glareola Linnaeus, 1758 Wood Sandpiper

Regular migrant, maximum 465 ind in the Salt pans of Priolo on 16.VII (FC). Winter records: 2 ind at Pantano Leone on 18.XII (GI); 1 ind at Margi Spanò on XII (FPI).

Tringa stagnatilis (Bechstein, 1803) Marsh Sandpiper

Regular migrant and irregular wintering. No winter records in 2021. Maximum 23 ind observed at Pantano Cuba on 13.VIII (PG).

LARIDAE

Hydrocoloeus minutus (Pallas, 1776) Little Gull

Up to 30 ind outside the coast of Lampedusa on 27.II (TC).

Larus genei Brème, 1839 Slender-billed Gull

Regular migrant and wintering. A maximum of 350 ind at Pantano Cuba on 23.VIII (PG).

Larus ridibundus Linnaeus, 1766 Black-headed Gull

Regular migrant and wintering. A maximum of 1000 ind of Palermo on 16.I (GCU).

Larus melanocephalus Temminck, 1820 Mediterranean Gull

Regular migrant and wintering. A maximum of 500 ind in Sciacca on 7.III (ADL).

Larus audouinii Payraudeau, 1826 Audouin's Gull

Regular migrant and wintering. Localised breeder. A maximum of 140 ind in Santa Croce di Camerina (RG) on 21.II (ACU, GA).

Larus cachinnans Pallas, 1811 Caspian Gull

Two ind at Lentini on 7.II (DGR, GR).

Sternula albifrons (Pallas, 1764) Little Tern

Up to 90 ind at Stagnone of Marsala on 12.V (SS) and 118 ind at Pantano Cuba on 30.VII (PG).

Gelochelidon nilotica (Gmelin, 1789) Gull-billed Tern

Up to 90 ind at Pantano Cuba on 16.IV (PG); 6 ind at the Salt pans of Trapani on 2.V (DD).

Hydroprogne caspia (Pallas, 1770) Caspian Tern

Maximum 95 ind on 2.X at the Salt pans of Priolo (FC).

Chlidonias hybrida (Pallas, 1811) Whiskered Tern

No less than 5 ind at Pantano Cuba on 7.VI (PG).

Chlidonias leucopterus (Temminck, 1815) White-winged Tern

Maximum 4 ind at Pantano Cuba on 14.V (PG).



Figure 4. Red-billed Chough *Pyrrhocorax pyrrhocorax*: Ustica Island, 21.X.2021 (photo by D. D'Amico).



Figure 5. Common rock Thrush *Monticola saxatilis*: Ustica Island, 24.IV.2021 (photo by D. D'Amico).

Chlidonias niger (Linnaeus, 1758) Black Tern

At least 60 ind at Capo Murro di Porco on 29.VIII (CI); 21 ind at Lake Pergusa on 5.IX (NS).

Sterna hirundo Linnaeus, 1758 Common Tern

An early observation on 4.V at the port of Marsala (GSP).

Thalasseus bengalensis emigratus (Neumann, 1934) Lesser crested Tern

One ind on 5.VIII in the Salt pans of Priolo (FC).

Thalasseus sandvicensis (Latham, 1787) Sandwich Tern

Maximum 180 ind at Pozzallo on 28.II (IR); about 50 ind at Santa Croce di Camerina on 21.II (ACU).

STERCORARIIDAE

Stercorarius parasiticus (Linnaeus, 1758) Parasitic Jaeger

One ind at Mazara del Vallo on 24.VIII (AB); 1 ind in Priolo on 6.IX (FC); 1 ind in Linosa on 12.XI (OJ).

Stercorarius pomarinus (Temminck, 1815) Pomarine Jaeger

One ind observed during a pelagic Trip which started from Pozzallo (IR).

Catharacta skua Brünnich, 1764 Great Skua

One ind found dead in Castelvetro, on 9.III (AB, VDD); 4 ind in Linosa on 27.X (LN, MT).

Asio flammeus (Pontoppidan, 1763) Short-eared Owl

One ind in Pachino on 21.II (RI); 1 in Siracusa on 21.III (RI); 1 at Margi Spanò on 30.III (SS); 1 at Pantano Cuba on 10.IV (PG); 1-2 in Linosa from the 20.X to the 7.XI (LN, MT, OJ), 1 at Salatelle (CT) on 20.XI (DGR); 1 at Stagnone of Marsala on 16.XII (DG); 1 at Salt pans of Trapani on 17.XII (GLF); 1 at Tonnarella on 23.XII (AB).

ACCIPITRIDAE

Pernis apivorus (Linnaeus, 1758) European honey Buzzard

Up to 1978 ind counted in Messina on 28.IV (Trekellen.org).

Circus gallicus (Gmelin, 1788) Short-toed snake Eagle

Regular migrant and wintering. Two ind in Messina on 8.IV (Trekellen.org). Up to 11 ind in Salemi (TP) on 19.X (GCU).

Gyps rueppeli (Brehm, 1852) Rüppell's Vulture

One ind observed many times during 2021 in Alcara Li Fusi.

Aegypius monachus (Linnaeus, 1766) Cinereous Vulture

1 ringed ind coming from France found exhausted in S.Teresa di Riva (ME) on 15.XII.

Clanga pomarina (C.L. Brehm, 1831) Lesser spotted Eagle

One ind in Campobello di Mazara (TP) on 26.IX (AB); 2 observation of different individuals: 1 ind in Lago Lentini (CT) on 22.XI (GG, GR); 1 ind in Simeto River on 13.XII (GLG, AS, NP, PG, FP).

Clanga clanga (Pallas, 1811) Greater spotted Eagle

One ind at Lake Paceco (TP) on 16.XI (SS).

Aquila heliaca Savigny, 1809 Eastern imperial Eagle

One ind on 4.I in Gela (DF; MZ); 1 ind in Mazara (TP) on 7.I (AB); 1 ind in Gela (CL) on 20.IX (DF; MZ) + 1 juvenile of the year at Lake Paceco (TP) on 13.XI (VC) and on 14.XI (DD, LB) (Fig. 2).

Circus aeruginosus (Linnaeus, 1758) Western marsh Harrier

Maximum 264 ind in Messina on 24.III (Trekellen.org).

Circus cyaneus (Linnaeus, 1766) Hen Harrier

Maximum 11 ind roosting at Pantano Longarini on 23.XII (PG).

Circus macrourus (S.G. Gmelin, 1770) Pallid Harrier

Up to 12 ind in Messina on 6.IV (Trekellen.org) and 2 in Ustica on 24.IV (DD, RV). Two observation of wintering: 1 ind at Pantano Leone on 7.I (AB) and 1 at Pantano Longarini on 23.XII (PG).

Circus pygargus (Linnaeus, 1758) Montagu's Harrier

Up to 47 ind in Messina on 17.IV (Trekellen.org); 5 ind in Mazzarino on 28.VIII (NS).

Accipiter gentilis (Linnaeus, 1758) Northern Goshawk

One ind in Messina on 10.IV and on 20.IV (Trektellen.org).

Milvus migrans (Boddaert, 1783) Black Kite

Maximum 300 ind at Campobello di Mazara on 25.VIII (AB) and in Salemi on 3.IX (GCU).

Buteo buteo vulpinus (Gloger, 1833) Steppe Buzzard

One ind in Messina on 28.IV (Trektellen.org).

Buteo rufinus (Cretzschmar, 1829) Long-legged Buzzard

One ind in Messina on 8.IV (Trektellen.org); 1 ind in the Piana of Gela (GL) on 26.V.

BUCEROTIFORMES UPUPIDAE

Upupa epops Linnaeus, 1758 Eurasian Hoopoe

One winter record: 1 ind at Biviere di Gela on 17.XII (FP).

CORACIIFORMES MEROPIDAE

Merops persicus Pallas, 1773 Blue-cheeked Beeeater

One ind in Messina on 2.V (Trektellen.org).

Falco tinnunculus Linnaeus, 1758 Common Kestrel

One ringed individual coming from Finland, found dead in Trapani on 12.XI (GCU).

Falco vespertinus Linnaeus, 1766 Red-footed Falcon

Up to 27 ind in Messina on 7.VI (Trektellen.org); wintering individual in Piana di Gela on 10.X (ACO).

Falco eleonora Gené, 1839 Eleonora's Falcon

Still presents on 6.XI in Lampedusa (LBO, NA, DP).

Falco subbuteo Linnaeus, 1758 Eurasian Hobby

Up to 7 ind in Messina on 16.IV (Trektellen.org); 1 late migrant on 1.XI in Lampedusa (LBO, NA, DP).

Falco cherrug Gray, 1834 Saker Falcon

One ind on 1.I in Roccapalumba (ACA); 1 on 10.V in Noto (GT, AS).

PASSERIFORMES LANIIDAE

Lanius isabellinus Hemprich et Ehrenberg, 1833

Red-backed Shrike

One ind at Pantano Longarini on 10.XII (GT, AS).

Lanius phoenicuroides Red-tailed Shrike

One ind at San Filippo del Mela (ME) on 16.V (EL) (Fig. 3).

Lanius excubitor pallidirostris Cassin, 1851

Steppe grey shrike

One ind in Lampedusa on 10.XI (AL).

CORVIDAE

Pyrhcorax pyrrhcorax (Linnaeus, 1758) Red-

billed Chough

One ind in Ustica was observed on IV, X and XI (GCU, DD, SB) (Fig. 4).

ALAUDIDAE

Ammomanes cinctura (Gould, 1839) Bar-tailed Lark

One ind in Lampedusa on 2.XI (MS).

Melanocorypha calandra (Linnaeus, 1766) Calandra Lark

Up to 8 ind in Mazara del Vallo on 5.VI (AB).

Calandrella brachydactyla (Leisler, 1814) Greater short-toed Lark

Up to 50 ind in Milazzo on 25.III (AT).

ACROCEPHALIDAE

Iduna pallida (Hemprich et Ehrenberg, 1833) Eastern olivaceous Warbler

Two ind in Linosa on 24.V and on 26.V (OJ).

Iduna opaca (Cabanis, 1851) Western olivaceous

Warbler

One ind in Linosa on 28.V (OJ).

LOCUSTELLIDAE

Locustella luscinioides (Savi, 1824) Savi's Warbler

One ind on 30.X in Siracusa (RI).

HIRUNDINIDAE

Hirundo rustica Linnaeus, 1758 Barn Swallow
Wintering observation 1 ind at San Teodoro (Marsala) on 21.XII (SS).

Ptyonoprogne rupestris (Scopoli, 1769) Eurasian crag Martin
Up to 200 ind in Castelbuono (PA) on 30.XII (PDP).

Riparia riparia (Linnaeus, 1758) Sand Martin
At least 1000 ind at Pantano Cuba and 2500 at pantano Longarini on 23.IV (PG).

PHYLLOSCOPIDAE

Phylloscopus bonelli (Vieillot, 1819) Western Bonelli's Warbler
One observation in Linosa (AG) on 24.IV (OJ).

Phylloscopus sibilatrix (Bechstein, 1793) Wood Warbler
One later migrant in Linosa (AG) on 5.XI (OJ).

Phylloscopus inornatus (Blyth, 1842) Yellow-browed Warbler
One ind on 17.X in Pantelleria (ABE,GC, MT); 3 ind on 18.X in Linosa (MISC); 1 ind on 18.X in Ustica (DD, GC); another 1 ind on 18.XI in Linosa.

Phylloscopus fuscatus (Blyth, 1842) Dusky Warbler
One ind in Linosa on 13.XI (OJ).

Phylloscopus trochilus (Linnaeus, 1758) Willow Warbler
Late record of 3 ind in Linosa on 15.XI (OJ).

Phylloscopus tristis Blyth, 1843 Siberian Chiffchaff
One ind in Linosa (AG) from the 27.X until the 29.X (MISC); 1 ind in Linosa on 14.XI (OJ).

Phylloscopus schwarzi (Radde, 1863) Radde's Warbler
1 observation on 17.X in Pantelleria (ABE,GC, MT).

SYLVIIDAE

Sylvia borin (Boddaert, 1783) Garden Warbler
Up to 6 ind in Marettimo on 9.V (CC) and 15 ind in Linosa on 17.X (OJ).

Sylvia deserti (Loche, 1858) African desert Warbler
One ind on 2.XI in Lampedusa (MS).

Sylvia curruca (Linnaeus, 1758) Lesser Whitethroat
One ind on 18.X in Ustica (PA) (DD); another 1 ind in Linosa on 15.XI (OJ).

Sylvia cantillans (Pallas, 1764) Western subalpine Warbler
Late records of 1 ind in migration on 13.XI in Lampedusa (OJ).

Sylvia subalpina Temminck, 1820 Moltoni's Warbler
Single observation in Linosa from the 28.IV to 14.V (OJ).

Sylvia conspicillata Temminck, 1820 Spectacled Warbler
One ind in Licata on 9.XII (SR).

Turdus philomelos C.L. Brehm, 1831 Song Thrush
Regular migrant and wintering. Up to 1000 ind in Linosa on 20.X (OJ, GSP).

Turdus iliacus Linnaeus, 1758 Redwing
3 observation recorded in the night between the 30 and the 31.X in Lampedusa (LBO, NA, DP).

Turdus torquatus Linnaeus, 1758 Ring Ouzel
Two observations in Pantelleria (TP) on 17-19.X (MT); more observations in Linosa: 2 ind on 18.X, 1 ind was observed from the 26.X to 5.XI (AG, OJ).

MUSCICAPIDAE

Cercotrichas galactotes (Temminck, 1820) Rufous-tailed Scrub Robin
One ind on 25.IV and on 2 and 8.V in Linosa (OJ).

Muscicapa striata (Pallas, 1764) Spotted Flycatcher
One later observation in Linosa on 14.XI (OJ).

Cyanecula svecica (Linnaeus, 1758) Bluethroat
One observation in Linosa on 16.XI (OJ), 2 ind in Pantano Longarini on 13.XII (GLG, AS, NP, PG, FP).



Figure 6. Ortolan Bunting *Emberiza hortulana*: Ustica Island, 18.IV.2021 (photo by D. D'Amico).



Figure 7. Little Bunting *Emberiza pusilla*: Ustica Island, 18.X.2021 (photo by D. D'Amico).

Luscinia megarhynchos C.L. Brehm, 1831 Common Nightingale

One later migrant on 6.XI in Lampedusa (LBO, NA, DP).

Tarsiger cyanurus (Pallas, 1773) Red-flanked Bluetail

Two ind on 31.X in Linosa (OJ).

Ficedula parva (Bechstein, 1792) Red-breasted Flycatcher

One observation on 3 ind and 31.X in Lampedusa (AL, LBO, NA, DP); 4 ind in Linosa on 18.X (MISC); 2 ind in Linosa from the 25 to the 31.X (MISC); 1 ind in Pantelleria on 22.X (MT, ABE); 2 ind in Ustica on 21 and on 22.X (DD).

Ficedula semitorquata (Homeyer, 1885) Semicollared Flycatcher

One observation on 30.III in Milazzo (AL); another ind on 21.IV and 24.IV in Ustica (DD, RV); 1 ringed at Zingaro Reserve (TP) on 5.V (GC)

Ficedula hypoleuca (Pallas, 1764) European pied Flycatcher

Maximum 20 ind in Ustica on 23.IV (DD, RV) and 15 ind in Linosa on 1.V (OJ).

Ficedula albicollis (Temminck, 1815) Collared Flycatcher

Regular migrant. Maximum 13 ind in Ustica on 23.IV (DD, RV) and 15 ind in Linosa on 1.V (OJ).

Phoenicurus phoenicurus (Linnaeus, 1758) Common Redstart

At least 30 ind in Ustica on 20.IV (DD, RV).

Phoenicurus moussieri (Olphe-Galliard, 1852) Moussier's Redstart

One ind on 1.IX in Pantelleria (PF); 1 female on 02.XI in Lampedusa (MS); 1 male in Lampedusa on 16.XI (AL).

Monticola saxatilis (Linnaeus, 1766) Common rock Thrush

Regular and very scarce migrant. No records during the breeding season. Up to 2 ind in Ustica on 24.IV (DD, RV) (Fig. 5).

Saxicola rubetra (Linnaeus, 1758) Whinchat

Regular migrant. About 70 ind in Linosa on 1.V (OJ).

Oenanthe oenanthe (Linnaeus, 1758) Northern Wheatear

Late records of ind in migration until 14.XI in Linosa (OJ).

Oenanthe isabellina (Temminck, 1829) Isabelline Wheatear

One ind both on 11 and 12.III in Lampedusa (AL); 1 ind on 11.IV in Milazzo (GT); and 6 ind on 13.IV in Pantelleria (PF).

PRUNELLIDAE

Prunella collaris (Scopoli, 1769) Alpine Accentor

One observation of 20 ind at Novara di Sicilia (ME) on 21.II (AT); 1 ind in Pantelleria on 18.X (ABE, MT); at least 1 ind in Lampedusa (AG) from the 1.XI to the 13.XI (LB, MS).

Prunella modularis (Linnaeus, 1758) Dunnock

Regular migrant and winter visitor. Only in the islands there are sightings of a large number of individuals. Up to 60 ind in Linosa on 29.X (LN); at least 125 ind in Ustica on 31.X (MT).

MOTACILLIDAE

Anthus trivialis (Linnaeus, 1758) Tree Pipit

Regular migrant but with few observations. Maximum 35 ind in Linosa on 28.X (LN).

Anthus hodgsoni Richmond, 1907 Olive-backed Pipit

One observation from the 31.X to the 2.XI, in Linosa (AG) (MISC).

Anthus cervinus (Pallas, 1811) Red-throated Pipit

Regular migrant and localized winter visitor. Up to 12 ind at Pantano Longarini on 2.XI (IR).

Anthus richardi Vieillot, 1818 Richard's Pipit

No less than 4 ind at Pantano Cuba on 18.XI (IR), 1 ind in Pantano Longarini on 12.XII (AC).

Motacilla flava Linnaeus, 1758 Western yellow Wagtail, Blue-headed Wagtail

Regular migrant. Localized breeder. At least 400 ind at Pantano Longarini on 10.IX (PG).

Species	English name	Italian name
<i>Coturnix coturnix</i> (Linnaeus, 1758)	Common Quail	Quaglia
<i>Alectoris graeca whitakeri</i> Schiebel, 1934	Rock Partridge	Coturnice siciliana
<i>Columba livia</i> Gmelin, 1789	Rock Dove	Piccione selvatico
<i>Columba palumbus</i> Linnaeus, 1758	Common wood Pigeon	Colombaccio
<i>Streptopelia turtur</i> (Linnaeus, 1758)	European turtle Dove	Tortora selvatica
<i>Streptopelia decaocto</i> (Frivaldszky, 1838)	Eurasian collared Dove	Tortora dal collare
<i>Apus pallidus brehmorum</i> Hartert, 1901	Pallid Swift	Rondone pallido
<i>Apus apus</i> (Linnaeus, 1758)	Common Swift	Rondone comune
<i>Cuculus canorus</i> Linnaeus, 1758	Common Cuckoo	Cuculo
<i>Rallus aquaticus</i> Linnaeus, 1758	Water Rail	Porciglione
<i>Gallinula chloropus</i> (Linnaeus, 1758)	Common Moorhen	Gallinella d'acqua
<i>Hydrobates pelagicus melitensis</i> (Schembri, 1843)	Mediterranean Storm Petrel	Uccello delle tempeste mediterraneo
<i>Calonectris diomedea</i> (Scopoli, 1769)	Scopoli's Shearwater	Berta maggiore
<i>Puffinus yelkouan</i> (Acerbi, 1827)	Yelkouan Shearwater	Berta minore mediterranea
<i>Scolopax rusticola</i> Linnaeus, 1758	Eurasian Woodcock	Beccaccia
<i>Glareola pratincola</i> (Linnaeus, 1766)	Collared Pratincole	Pernice di mare
<i>Larus fuscus</i> Linnaeus, 1758	Baltic Lesser black-backed Gull	Zafferano
<i>Larus michahellis</i> Naumann, 1840	Yellow-legged Gull	Gabbiano reale mediterraneo
<i>Tyto alba</i> (Scopoli, 1769)	Barn Owl	Barbagianni
<i>Athene noctua</i> (Scopoli, 1769)	Little Owl	Civetta
<i>Otus scops</i> (Linnaeus, 1758)	Eurasian scops Owl	Assiolo
<i>Asio otus</i> (Linnaeus, 1758)	Long-eared Owl	Gufo comune
<i>Strix aluco</i> Linnaeus, 1758	Tawny Owl	Allocco
<i>Pandion haliaetus</i> (Linnaeus, 1758)	Osprey	Falco pescatore
<i>Neophron percnopterus</i> (Linnaeus, 1758)	Egyptian Vulture	Capovaccaio
<i>Gyps fulvus</i> (Hablizl, 1783)	Griffon Vulture	Grifone
<i>Aquila chrysaetos</i> (Linnaeus, 1758)	Golden Eagle	Aquila reale
<i>Aquila fasciata</i> Vieillot, 1822	Bonelli's Eagle	Aquila di Bonelli
<i>Hieraaetus pennatus</i> (Gmelin, 1788)	Booted Eagle	Aquila minore
<i>Accipiter nisus</i> (Linnaeus, 1758)	Eurasian Sparrowhawk	Sparviere
<i>Milvus milvus</i> (Linnaeus, 1758)	Red Kite	Nibbio reale
<i>Buteo buteo buteo</i> (Linnaeus, 1758)	Common Buzzard	Poiana
<i>Merops apiaster</i> Linnaeus, 1758	European Bee-eater	Gruccione
<i>Merops apiaster</i> Linnaeus, 1758	European Bee-eater	Gruccione
<i>Coracias garrulus</i> Linnaeus, 1758	European Roller	Ghiandaia marina
<i>Alcedo atthis</i> Linnaeus, 1758	Common Kingfisher	Martin pescatore
<i>Jynx torquilla</i> Linnaeus, 1758	Eurasian Wryneck	Torcicollo
<i>Dendrocopos major</i> (Linnaeus, 1758)	Great spotted Woodpecker	Picchio rosso maggiore
<i>Falco naumanni</i> Fleischer, 1818	Lesser Kestrel	Grillaio

<i>Falco columbarius</i> Linnaeus, 1758	Merlin	Smeriglio
<i>Falco biarmicus feldeggii</i> Schlegel, 1843	Lanner Falcon	Lanario
<i>Falco peregrinus</i> Tunstall, 1771	Peregrine Falcon	Falco pellegrino
<i>Myiopsitta monachus</i> (Boddaert, 1783)	Monk Parakeet	Parrocchetto monaco
<i>Psittacula krameri</i> (Scopoli, 1769)	Rose-ringed Parakeet	Parrocchetto dal collare
<i>Oriolus oriolus</i> (Linnaeus, 1758)	Eurasian golden Oriole	Rigogolo
<i>Lanius collurio</i> Linnaeus, 1758	Red-backed Shrike	Averla piccola
<i>Lanius senator</i> Linnaeus, 1758	Woodchat Shrike	Averla capirossa
<i>Garrulus glandarius</i> (Linnaeus, 1758)	Eurasian Jay	Ghiandaia
<i>Pica pica</i> (Linnaeus, 1758)	Eurasian Magpie	Gazza
<i>Corvus monedula</i> Linnaeus, 1758	Western Jackdaw	Taccola
<i>Corvus corax corax</i> Linnaeus, 1758	Common Raven	Corvo imperiale
<i>Corvus corone cornix</i> Linnaeus, 1758	Hooded Crow	Cornacchia grigia
<i>Periparus ater</i> (Linnaeus, 1758)	Coal Tit	Cincia mora
<i>Poecile palustris</i> (Linnaeus, 1758)	Marsh Tit	Cincia bigia
<i>Cyanistes caeruleus</i> (Linnaeus, 1758)	Eurasian blue Tit	Cinciarella
<i>Cyanistes teneriffae ultramarinus</i> (Bonaparte, 1841)	African blue Tit	Cinciarella algerina
<i>Parus major</i> Linnaeus, 1758	Great Tit	Cinciallegra
<i>Remiz pendulinus</i> (Linnaeus, 1758)	Eurasian Penduline Tit	Pendolino
<i>Lullula arborea</i> (Linnaeus, 1758)	Woodlark	Tottavilla
<i>Alauda arvensis</i> Linnaeus, 1758	Eurasian Skylark	Allodola
<i>Galerida cristata</i> (Linnaeus, 1758)	Crested Lark	Cappellaccia
<i>Cisticola juncidis</i> (Rafinesque, 1810)	Zitting Cisticola	Beccamoschino occidentale
<i>Hippolais icterina</i> (Vieillot, 1817)	Icterine Warbler	Canapino maggiore
<i>Acrocephalus melanopogon</i> (Temminck, 1823)	Moustached Warbler	Forapaglie castagnolo
<i>Acrocephalus schoenobaenus</i> (Linnaeus, 1758)	Sedge Warbler	Forapaglie comune
<i>Acrocephalus scirpaceus</i> (Hermann, 1804)	Eurasian reed Warbler	Cannaiola comune
<i>Acrocephalus arundinaceus</i> (Linnaeus, 1758)	Great reed Warbler	Cannareccione
<i>Delichon urbicum</i> (Linnaeus, 1758)	Common house Martin	Balestruccio
<i>Cecropis daurica</i> (Laxmann, 1769)	Red-rumped Swallow	Rondine rossiccia
<i>Phylloscopus collybita</i> (Vieillot, 1817)	Common Chiffchaff	Lui piccolo
<i>Cettia cetti</i> (Temminck, 1820)	Cetti's Warbler	Usignolo di fiume
<i>Aegithalos caudatus siculus</i> (Whitaker, 1901)	Sicilian long-tailed Tit	Codibugnolo siciliano
<i>Sylvia atricapilla</i> (Linnaeus, 1758)	Eurasian Blackcap	Capinera
<i>Sylvia melanocephala</i> (Gmelin, 1789)	Sardinian Warbler	Occhiocotto
<i>Sylvia communis</i> Latham, 1787	Common Whitethroat	Sterpazzola

<i>Sylvia undata</i> (Boddaert, 1783)	Dartford Warbler	Magnanina
<i>Certhia brachydactyla</i> C.L. Brehm, 1820	Short-toed Treecreeper	Rampichino comune
<i>Sitta europaea</i> Linnaeus, 1758	Eurasian Nuthatch	Picchio muratore
<i>Troglodytes troglodytes</i> (Linnaeus, 1758)	Eurasian Wren	Scricciolo
<i>Cinclus cinclus</i> (Linnaeus, 1758)	White-throated Dipper	Merlo acquaiolo
<i>Sturnus vulgaris</i> Linnaeus, 1758	Common Starling	Storno
<i>Sturnus unicolor</i> Temminck, 1820	Spotless Starling	Storno nero
<i>Turdus viscivorus</i> Linnaeus, 1758	Mistle Thrush	Tordela
<i>Turdus merula</i> Linnaeus, 1758	Common Blackbird	Merlo
<i>Erithacus rubecula</i> (Linnaeus, 1758)	European Robin	Pettirosso
<i>Phoenicurus ochruros</i> (Gmelin, 1774)	Black Redstart	Codiroso spazzacamino
<i>Monticola solitarius</i> (Linnaeus, 1758)	Blue rock Thrush	Passero solitario
<i>Saxicola torquatus rubicola</i> (Linnaeus, 1766)	European Stonechat	Saltimpalo
<i>Oenanthe hispanica hispanica</i> (Linnaeus, 1758)	Western black-eared Wheatear	Monachella
<i>Oenanthe hispanica melanoleuca</i> (Güldenstädt, 1775)	Eastern black-eared Wheatear	Monachella orientale
<i>Regulus regulus</i> (Linnaeus, 1758)	Goldcrest	Regolo
<i>Regulus ignicapilla</i> (Temminck, 1820)	Common Firecrest	Fiorrancino
<i>Passer italiae</i> (Vieillot, 1817)	Italian Sparrow	Passera d'Italia
<i>Passer hispaniolensis</i> (Temminck, 1820)	Spanish Sparrow	Passera sarda
<i>Passer montanus</i> (Linnaeus, 1758)	Eurasian tree Sparrow	Passera mattugia
<i>Petronia petronia</i> (Linnaeus, 1766)	Rock Sparrow	Passera lagia
<i>Anthus pratensis</i> (Linnaeus, 1758)	Meadow Pipit	Pispola
<i>Anthus spinoletta</i> (Linnaeus, 1758)	Water Pipit	Spioncello
<i>Anthus campestris</i> (Linnaeus, 1758)	Tawny Pipit	Calandro
<i>Motacilla cinerea</i> Tunstall, 1771	Grey Wagtail	Ballerina gialla
<i>Motacilla alba</i> Linnaeus, 1758	White Wagtail	Ballerina bianca
<i>Fringilla coelebs</i> Linnaeus, 1758	Common Chaffinch	Fringuello
<i>Chloris chloris</i> (Linnaeus, 1758)	European Greenfinch	Verdone
<i>Linaria cannabina</i> (Linnaeus, 1758)	Common Linnet	Fanello
<i>Carduelis carduelis</i> (Linnaeus, 1758)	European Goldfinch	Cardellino
<i>Serinus serinus</i> (Linnaeus, 1766)	European Serin	Verzellino
<i>Emberiza calandra</i> Linnaeus, 1758	Corn Bunting	Strillozzo
<i>Emberiza cia</i> Linnaeus, 1766	Rock Bunting	Zigolo muciatto
<i>Emberiza cirlus</i> Linnaeus, 1766	Cirl Bunting	Zigolo nero

Table 1. Species observed in 2021 in Sicily but excluded from the report because they are sedentary or migratory but without relevant observations.

Motacilla citreola Pallas, 1776 Citrine Wagtail

One adult male on 16.IV in Pantelleria (PF); 2 ind on 4.IX in Pantelleria (PF).

FRINGILLIDAE

Fringilla montifringilla Linnaeus, 1758 Brambling

Many records of this species: from 26 to 29.X; 1 ind in Linosa (MISC) as well as on 7 and 14.XI; 3 ind also from 25 to 30 in Ustica (PA); 2 on 31.IX and 6.X in Lampedusa (LB); 1 in Pantelleria on 22.X(MT); 1 in Ribera (AG) on 14.XI (GI); 1 in Palermo on 16.XI (SB).

Coccothraustes coccothraustes (Linnaeus, 1758)

Hawfinch

Three ind in Linosa on 14.XI (OJ), 1 ind in Linosa on 16 and 17.XI (OJ).

Bucanetes githagineus (Lichtenstein, 1823) Trumpeter Finch

One ind in Linosa from the 27.IV to the 23.V (OJ); 2 ind in Lampedusa (AG) from the 31.X to the 4.XI (LBO, MS), another ind in Linosa on 2.XI (OJ).

Loxia curvirostra curvirostra (Linnaeus, 1758)

Red Crossbill

Localized breeder. Up to 80 ind in the mountain of Etna on 26.V (AC).

Spinus spinus (Linnaeus, 1758) Eurasian Siskin

Regular migrant and winter visitor. Localized breeder. Maximum 100 ind recorded in Ustica on 30.X (MT).

EMBERIZIDAE

Emberiza hortulana Linnaeus, 1758 Ortolan Bunting

One ind in Ustica on 18.IV (RV, DD) (Fig. 6).

Emberiza schoeniclus (Linnaeus, 1758) Common reed Bunting

Maximum 5 ind at Pantano Cuba on 28.I (PG).

Emberiza aureola Pallas, 1773 Yellow-breasted Bunting

One adult male in Linosa on 4.X (MG, MO).

Emberiza rustica Pallas, 1776 Rustic Bunting

One adult male in Linosa on 21.X (MISC); 1 adult male in Ustica on 25.X (MT).

Emberiza pusilla Pallas, 1776 Little Bunting

One ind on 18.X in Ustica (DD, GC) (Fig. 7); 1 ind in Linosa from 18 to 31.X (OJ, FR, GSPE, GN).

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