

**Supplementary Table S1.** List of bird species associated with the National Park of Banc d'Arguin (PNBA) and their associated characteristics.

Scientific name	Common Name	Status within the PNBA <sup>a</sup>	IUCN Status <sup>b</sup>	Global Population Trend	Biome(s) <sup>c</sup>	Habitat(s) within the PNBA	Relative importance of the habitat for the species	Consumption Use(s) <sup>d</sup>	Functional Group(s)	Diet
<i>Accipiter nisus</i>	Eurasian Sparrowhawk	T	LC	Stable	T + F	Urban areas	suitable	Pets Sport	Raptors	Small birds
<i>Acrocephalus arundinaceus</i>	Great Reed-warbler	T	LC	Decreasing	T + F	NA	NA	Pets Sport	Insectivores	Insects, spiders, some snails and small vertebrates
<i>Acrocephalus paludicola</i>	Aquatic Warbler	T	VU	Decreasing	T + F	NA	NA	Pets	Insectivores	Insects, spiders and other invertebrates
<i>Acrocephalus schoenobaenus</i>	Sedge Warbler	T	LC	Stable	T + F	NA	NA	NA	Insectivores	Insects and other invertebrates
<i>Acrocephalus scirpaceus</i>	Common Reed-warbler	T	LC	Stable	T + F	NA	NA	NA	Insectivores	Insects, spiders, occasionally fruits, seeds and flower
<i>Actitis hypoleucos</i>	Common Sandpiper	W	LC	Decreasing	T + F + M	Sandy shorelines Salt marshes Subtropical/tropical mangroves	suitable suitable suitable	Pets Sport Food	Insectivores Piscivores	Insects, spiders, molluscs, snails, crustaceans, annelids, occasionally frogs, toads, tadpoles, fishes and plant material
<i>Alaemon alaudipes</i>	Greater Hoopoe-lark	R	LC	Decreasing	T	Hot deserts	major	NA	Insectivores Raptors Frugivores	Insects and other invertebrates, small lizards and seeds
<i>Alaudala rufescens</i>	Lesser Short-toed Lark	NB	LC	Decreasing	T + M	Salt marshes	suitable	NA	Insectivores Frugivores	Insects and seeds, seasonal, some fruits and bulbs
<i>Ammomanes cinctura</i>	Bar-tailed Lark	R	LC	Decreasing	T	Hot deserts	major	NA	Frugivores Insectivores	Seeds and insects, some other plant material
<i>Ammomanes deserti</i>	Desert Lark	R	LC	Increasing	T	Rocky areas Hot deserts	major major	Pets Sport	Insectivores Frugivores	Insects and seeds, seasonal
<i>Anas acuta</i>	Northern Pintail	T	LC	Decreasing	T + F + M	NA	NA	Pets Sport Food	Frugivores Insectivores Piscivores	Omnivorous, algae, seeds and rice, tubers, the vegetative parts of aquatic plants, sedges, grasses, aquatic invertebrates, amphibians, fishes
<i>Anas crecca</i>	Common Teal	T	LC	Unknown	T + F	NA	NA	Pets Sport Food	Insectivores Piscivores Frugivores	Molluscs, worms, insects and crustaceans, seeds, grasses, sedges and grain, seasonal
<i>Anas platyrhynchos</i>	Mallard	T	LC	Increasing	T + F	NA	NA	Pets Sport Food	Frugivores Insectivores Piscivores	Omnivorous, seeds, the vegetative parts of plants, insects, molluscs, crustaceans, worms and occasionally amphibians and fishes
<i>Anthus campestris</i>	Tawny Pipit	T	LC	Stable	T + M	Coastal sand dunes	suitable	Sport	Insectivores Frugivores	Insects, other invertebrates and seeds, rarely small vertebrates
<i>Anthus cervinus</i>	Red-throated Pipit	W	LC	Stable	T + F + M	Mud shorelines	suitable	Sport	Insectivores	Insects and other invertebrates, some vegetable matter

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<i>Anthus pratensis</i>	Meadow Pipit	W	NT	Decreasing	T + F + M	Sandy shorelines Rocky shorelines Coastal sand dunes Salt marshes Tidepools	suitable suitable suitable suitable suitable	Pets Sport Food	Insectivores	Insects and sometimes seeds, seasonal
<i>Anthus richardii</i>	Richard's Pipit	T	LC	Stable	T	NA	NA	Pets	Insectivores	Insects, sometimes seeds
<i>Anthus trivialis</i>	Tree Pipit	W	LC	Decreasing	T	NA	NA	Sport Food	Insectivores	Insects and other invertebrates, some plant material, seasonal
<i>Apus affinis</i>	Little Swift	R	LC	Increasing	T	Mangroves	suitable	NA	Insectivores	Invertebrates
<i>Apus apus</i>	Common Swift	T	LC	Stable	T + F	Urban areas Rocky areas Hot deserts	major major suitable	NA	Insectivores	Insects, spiders
<i>Apus pallidus</i>	Pallid Swift	B	LC	Stable	T + M	Urban areas Rocky areas Sea cliffs and rocky offshore islands	suitable major major	NA	Insectivores	Insects, spiders
<i>Apus unicolor</i>	Plain Swift	T	LC	Unkown	T + F + M	NA	NA	NA	Insectivores	Insects
<i>Aquila chrysaetos</i>	Golden Eagle	T	LC	Stable	T	Rocky areas Hot deserts	suitable suitable	Pets	Raptors Piscivores Insectivores Scavengers	Mammals, birds, reptiles, fishes, amphibians, insects, carrions
<i>Aquila fasciata</i>	Bonelli's Eagle	NB	LC	Decreasing	T + F	Rocky areas	suitable	Pets	Raptors	Birds, mammals, some reptiles and insects, rarely carrions
<i>Ardea alba</i>	Great White Egret	T	LC	Unkown	T + F + M	Mud shorelines	suitable	Pets Food Handicrafts	Piscivores Raptors Insectivores	Fishes, amphibians, snakes, crustaceans, insects, lizards, birds, mammals
<i>Ardea cinerea</i>	Grey Heron	R	LC	Unkown	T + F + M	Mud shorelines Salt marshes Subtropical/tropical mangroves	suitable suitable suitable	Pets Sport Food Handicrafts	Piscivores Insectivores Raptors	Fishes, eels, amphibians, crabs, molluscs, crustaceans, aquatic insects, snakes, small rodents, small birds
<i>Ardea purpurea</i>	Purple Heron	R	LC	Decreasing	T + F + M	Mud shorelines Subtropical/tropical mangroves	suitable suitable	Pets Sport Food	Piscivores Raptors Insectivores	Fishes, salamanders, frogs, insects, crustaceans, spiders, molluscs, small birds and mammals, snakes and lizards
<i>Ardenna gravis</i>	Great Shearwater	NB	LC	Stable	T + M	Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelp forests Seagrass beds Pelagic Epipelagic	suitable suitable suitable suitable major major	Food	Piscivores	Fishes, squids, fish offals, crustaceans

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<i>Ardenna grisea</i>	Sooty Shearwater	NB	NT	Decreasing	T + M	Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic Epipelagic	major major major major major major	Sport Food Fuels	Piscivores	Fishes, crustaceans, cephalopods
<i>Ardeola ralloides</i>	Squacco Heron	T	LC	Unkown	T + F + M	NA	NA	Pets Sport Handicrafts Other	Insectivores	Insects, some fishes, amphibians, insects, spiders, crustaceans and molluscs, exceptionally small bird
<i>Arenaria interpres</i>	Ruddy Turnstone	W	LC	Decreasing	T + F + M	Sandy shorelines Rocky shorelines Mud shorelines Salt marshes Tidepools	suitable suitable suitable suitable suitable	Pets Sport Food	Insectivores Piscivores Scavengers	Insects, spiders, crustaceans, molluscs, annelids, echinoderms, small fishes, carrions, eggs, occasionally vegetable matter, seasonal
<i>Asio flammeus</i>	Short-eared Owl	T	LC	Decreasing	T + F	NA	NA	Pets Sport	Raptors	Mammals, birds, sometimes insects
<i>Aythya nyroca</i>	Ferruginous Duck	W	NT	Decreasing	T + F + M	NA	NA	Pets Sport Food	Frugivores Insectivores Piscivores	Omnivorous, mainly seeds, roots, vegetative parts of plants, and also worms, molluscs, crustaceans, insects, amphibians and small fishes.
<i>Bubo ascalaphus</i>	Pharaoh Eagle-Owl	R	LC	Stable	T + F	Urban areas Rocky areas Hot deserts	suitable suitable suitable	Pets	Raptors	Birds, mammals, reptiles, insects
<i>Bubulcus ibis</i>	Cattle Egret	T	LC	Increasing	T + F	NA	NA	Pets Sport Food Other	Insectivores	Insects, some worms, spiders, crustaceans, frogs, tadpoles, molluscs, fish, lizards, small birds, rodents, vegetable matter
<i>Bucanetes githagineus</i>	Trumpeter Finch	R	LC	Stable	T	Hot deserts	major	Sport	Frugivores	Seeds, shoot and buds, some insects
<i>Bulweria bulwerii</i>	Bulwer's Petrel	NB	LC	Stable	T + M	Sandy shorelines Rocky shorelines Sea cliffs and rocky offshore islands Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic Epipelagic	major major major suitable suitable suitable suitable major major	Food	Piscivores	Fishes and squids, some crustaceans
<i>Burhinus oedicnemus</i>	Eurasian Thick-knee	W	LC	Decreasing	T	NA	NA	Pets Sport Food	Insectivores Raptors	Insects, slugs, snails, frogs, small lizards and rodents, eggs
<i>Buteo buteo</i>	Eurasian Buzzard	W	LC	Stable	T + F	NA	NA	NA	Raptors Insectivores	Small mammals, invertebrates

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<i>Buteo rufinus</i>	Long-legged Buzzard	T	LC	Stable	T	Rocky areas	suitable	NA	Raptors	Small mammals
<i>Calandrella brachydactyla</i>	Greater Short-toed Lark	W	LC	Unkown	T	NA	NA	Sport Food	Insectivores Frugivores	Invertebrates and seeds, seasonal
<i>Calidris alba</i>	Sanderling	W	LC	Unkown	T + F + M	Sandy shorelines Rocky shorelines Mud shorelines Tidepools	major suitable suitable suitable	Pets Sport Food	Insectivores Piscivores	Insects, spiders and crustaceans, molluscs, worms, sometimes plant matter, occasionally fishes and carrions, seasonal
<i>Calidris alpina</i>	Dunlin	W	LC	Decreasing	T + F + M	Mud shorelines Salt marshes	suitable suitable	Pets Sport	Insectivores Piscivores	Omnivorous, insects, spiders, worms, snails, slugs and plant matter, gastropods, crustaceans, bivalves, occasionally fishes, seasonal
<i>Calidris canutus</i>	Red Knot	W	NT	Decreasing	T + F + M	Sandy shorelines Rocky shorelines Mud shorelines Tidepools	suitable suitable major suitable	Sport Food	Insectivores Piscivores	Insects, spiders, crustaceans, snails and worms, bivalves, molluscs, some vegetation, rarely fishes and seeds, seasonal
<i>Calidris ferruginea</i>	Curlew Sandpiper	W	NT	Decreasing	T + F + M	Sandy shorelines Rocky shorelines Mud shorelines Tidepools	suitable suitable major suitable	Sport Food	Insectivores Piscivores	Insects and leeches, worms, molluscs, crustaceans, occasionally seeds, seasonal
<i>Calidris minuta</i>	Little Stint	W	LC	Increasing	T + F + M	Sandy shorelines Rocky shorelines Mud shorelines Tidepools	suitable suitable major suitable	Sport Food	Insectivores Piscivores	Insects and other invertebrates, molluscs, crustaceans and plant material
<i>Calidris pugnax</i>	Ruff	W	LC	Decreasing	T + F + M	Salt marshes	suitable	Pets Sport Food	Insectivores Piscivores Raptors Frugivores	Insects, crustaceans, spiders, molluscs, worms, frogs, fishes and seeds, seasonal
<i>Calonectris borealis</i>	Cory's Shearwater	NB	LC	Unkown	T + M	Rocky areas Dry caves Rocky shorelines Sea cliffs and rocky offshore islands Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic Epipelagic	major suitable major major major major major major major major	Sport Food	Piscivores	Mainly squids

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<i>Calonectris diomedea</i>	Scopoli's Shearwater	NB	LC	Decreasing	T + M	Rocky areas Dry caves Rocky shorelines Sea cliffs and rocky offshore islands Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic Epipelagic	major suitable major major major major major major major major	Sport Food	Piscivores	Mainly squids
<i>Calonectris edwardsii</i>	Cape Verde Shearwater	NB	NT	Decreasing	T + M	Rocky areas Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic Epipelagic	major major major major major major major	Food	Piscivores	Fishes and squids
<i>Caprimulgus europaeus</i>	European Nightjar	T	LC	Decreasing	T	NA	NA	Food	Insectivores	Insects
<i>Caprimulgus ruficollis</i>	Red-necked Nightjar	W	LC	Decreasing	T	NA	NA	NA	Insectivores	Insects
<i>Catharacta maccormicki</i>	South Polar Skua	W	LC	Stable	T + M	Rocky areas Rocky shorelines Sea cliffs and rocky offshore islands Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic Epipelagic Tidepools	suitable major major suitable suitable suitable suitable major suitable major	NA	Piscivores Raptors	Fishes, penguins
<i>Catharacta skua</i>	Great Skua	NB	LC	Stable	T + M	Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic Epipelagic	suitable suitable suitable suitable major suitable	Pets	Piscivores Raptors	Opportunistic and parasitic, fishes, birds and their eggs, mammals, some carrions
<i>Cecropis daurica</i>	Red-rumped Swallow	T	LC	Stable	T + F	Urban areas Rocky areas	suitable major	NA	Insectivores	Insects
<i>Cercotrichas galactotes</i>	Rufous-tailed Scrub-robin	T	LC	Stable	T + F	Urban areas	suitable	Sport	Insectivores Frugivores	Insects, spiders and other invertebrates, fruits, berries, seeds
<i>Charadrius alexandrinus</i>	Kentish Plover	R	LC	Decreasing	T + F + M	Hot deserts Mud shorelines Salt marshes	suitable suitable suitable	Pets Sport Food	Insectivores Piscivores	Insects, gammarids, crabs and other crustaceans, molluscs, worms, spiders and seaweed
<i>Charadrius dubius</i>	Little Ringed Plover	W	LC	Stable	T + F + M	Urban areas Subtropical/tropical mangroves	suitable suitable	Pets Sport Food	Insectivores Piscivores	Insects, spiders, freshwater shrimps, crustaceans, mussels, worms and snails, rarely vegetation

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<i>Charadrius hiaticula</i>	Common Ringed Plover	W	LC	Decreasing	T + F + M	Rocky shorelines Mud shorelines Salt marshes Tidepools	suitable suitable suitable suitable	Pets Sport	Piscivores Insectivores	Small crustaceans, molluscs, polychaete worms, isopods, amphipods, insects and millipedes
<i>Chelictinia riocourii</i>	Scissor-tailed Kite	R	LC	Decreasing	T	Hot deserts	suitable	Pets	Raptors Insectivores	Lizards, snakes, insects, spiders, occasionally small rodents
<i>Chlidonias hybrida</i>	Whiskered Tern	W	LC	Stable	T + F + M	Salt marshes	suitable	Pets Sport Food	Insectivores Raptors Piscivores	Insects, spiders, frogs, tadpoles, small crabs, shrimps and small fishes
<i>Chlidonias leucopterus</i>	White-winged Tern	NB	LC	Stable	T + F + M	Rocky shorelines Tidepools	suitable suitable	Pets Sport Food	Insectivores Piscivores	Insects, small fishes and tadpoles
<i>Chlidonias niger</i>	Black Tern	T	LC	Decreasing	T + F + M	Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic Epipelagic	suitable suitable suitable suitable suitable suitable	Sport	Insectivores Piscivores	Insects, small fishes and amphibians, some crustaceans, seasonal
<i>Ciconia ciconia</i>	White Stork	W	LC	Increasing	T + F	NA	NA	Pets Sport Food	Raptors Insectivores Piscivores	Small mammals, insects, amphibians, snakes, lizards, worms, eggs and chicks, molluscs and crustaceans
<i>Ciconia nigra</i>	Black Stork	W	LC	Unkown	T + F	NA	NA	Pets Sport Food	Piscivores Raptors Insectivores	Fishes, amphibians, insects, snails, crabs, small reptiles, mammals and birds
<i>Circaetus gallicus</i>	Short-toed Snake-eagle	T	LC	Stable	T	Hot deserts	suitable	Pets Sport	Raptors	Snakes, reptiles
<i>Circus aeruginosus</i>	Western Marsh-harrier	W	LC	Increasing	T + F	Salt marshes	suitable	Pets Sport	Raptors	Small birds, mammals
<i>Circus macrourus</i>	Pallid Harrier	T	NT	Decreasing	T + F	NA	NA	Pets Sport	Raptors	Small mammals and birds, some lizards and large insects
<i>Circus pygargus</i>	Montagu's Harrier	T	LC	Decreasing	T + F	NA	NA	Pets Sport	Raptors	Small birds and mammals
<i>Clamator glandarius</i>	Great Spotted Cuckoo	T	LC	Stable	T + F	NA	NA	Sport	Insectivores Raptors	Insects, small lizards
<i>Coracias abyssinicus</i>	Abyssinian Roller	NA	LC	Increasing	T + F	Urban areas	suitable	Pets	Insectivores	Insects
<i>Coracias garrulus</i>	European Roller	T	LC	Decreasing	T	NA	NA	Pets Sport Food	Insectivores	Insects and some small vertebrates
<i>Corvus ruficollis</i>	Brown-necked Raven	R	LC	Increasing	T + F	Urban areas Rocky areas Hot deserts	suitable suitable suitable	NA	Insectivores Raptors Scavengers Frugivores	Omnivorous, insects, snakes, lizards, carrions, fruits, stolen grain

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<i>Coturnix coturnix</i>	Common Quail	T	LC	Decreasing	T	NA	NA	Pets Sport Food	Frugivores Insectivores	Seeds, weeds, invertebrates
<i>Cuculus canorus</i>	Common cuckoo	T	LC	Decreasing	T + F	NA	NA	Pets Food	Insectivores	Insects, spiders and snails, rarely fruits
<i>Cursorius cursor</i>	Cream-coloured Courser	NB	LC	Decreasing	T	Hot deserts	suitable	NA	Insectivores Piscivores Frugivores	Insects, molluscs, isopods, arachnids and seeds
<i>Cyanecula svecica</i>	Bluethroat	T	LC	Stable	T + F + M	Urban areas Salt marshes	suitable suitable	Pets Sport Food	Insectivores	Insects and other invertebrates, some seeds and fruits
<i>Delichon urbicum</i>	Northern House Martin	W	LC	Decreasing	T + F	Urban areas Rocky areas	suitable major	NA	Insectivores	Insects
<i>Egretta garzetta</i>	Little Egret	R	LC	Increasing	T + F	Sea cliffs and rocky offshore islands Mud shorelines Tidepools Subtropical/tropical mangroves	suitable suitable suitable suitable	NA	Piscivores Insectivores Raptors	Fishes, insects, crustaceans, amphibians, molluscs, spiders, worms, reptiles and small birds
<i>Egretta gularis</i>	Western Reef-egret	R	LC	Stable	T + F + M	Rocky shorelines Sea cliffs and rocky offshore islands Mud shorelines Salt marshes Tidepools Subtropical/tropical mangroves	major suitable suitable suitable major suitable	Pets	Piscivores Insectivores	Fishes, crustaceans, molluscs, crickets, worms
<i>Emberiza hortulana</i>	Ortolan Bunting	W	LC	Decreasing	T	NA	NA	Pets Sport Food	Insectivores Frugivores	Invertebrates, seeds, seasonal
<i>Eremalauda dunni</i>	Dunn's Lark	R	LC	Stable	NA	Hot deserts	suitable	NA	Frugivores Insectivores	Seeds, insects
<i>Eremophila bilopha</i>	Temminck's Lark	R	LC	Decreasing	T	Hot deserts	suitable	NA	Frugivores Insectivores	Seeds, fruits, insects
<i>Eremopterix nigriceps</i>	Black-crowned Sparrow-lark	R	LC	Increasing	T	NA	NA	NA	Frugivores Insectivores	Seeds, insects and other invertebrates
<i>Falco biarmicus</i>	Lanner Falcon	R	LC	Increasing	T	Urban areas Rocky areas Hot deserts	suitable suitable suitable	Pets Sport	Raptors	Small birds
<i>Falco cherrug</i>	Saker Falcon	W	EN	Decreasing	T + F + M	Urban areas Mud shorelines	marginal suitable	Pets Sport	Raptors	Rodents, birds
<i>Falco naumanni</i>	Lesser Kestrel	T	LC	Stable	T	Urban areas Rocky areas Hot deserts	suitable major suitable	Pets Sport	Insectivores Raptors	Mostly insects, small mammals

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<i>Falco peregrinus</i>	Peregrine Falcon	R	LC	Stable	T + F + M	Urban areas Rocky areas Hot deserts Rocky shorelines Sea cliffs and rocky offshore islands Mud shorelines Salt marshes	suitable major suitable suitable suitable suitable suitable	Pets Sport Food	Raptors	Birds
<i>Falco subbuteo</i>	Eurasian Hobby	T	LC	Decreasing	T + F	Urban areas	suitable	Pets Sport Food	Insectivores Raptors	Insects, birds
<i>Falco tinnunculus</i>	Common Kestrel	T	LC	Decreasing	T	Urban areas	suitable	Pets Sport Food	Raptors Insectivores	Small mammals, insects
<i>Falco vespertinus</i>	Red-footed Falcon	T	NT	Decreasing	T + F	NA	NA	Pets Sport	Insectivores Raptors	Insects, small vertebrates
<i>Ficedula hypoleuca</i>	European Pied Flycatcher	T	LC	Decreasing	T	Urban areas	suitable	NA	Insectivores	Insects, other invertebrates, some fruits and seeds
<i>Fulica atra</i>	Common coot	T	LC	Increasing	T + F + M	Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds	marginal marginal marginal marginal	Pets Sport Food	Frugivores Insectivores Piscivores Raptors	Omnivorous, primarily vegetal matter including seeds, molluscs, insects, worms, leeches, shrimps, spiders, fishes, frogs, birds, eggs and small mammals
<i>Galerida cristata</i>	Crested Lark	R	LC	Decreasing	T + M	Urban areas	suitable	Pets Sport Food	Insectivores Frugivores	Invertebrates, seeds
<i>Gallinago gallinago</i>	Common Snipe	T	LC	Decreasing	T + F	NA	NA	NA	Insectivores Piscivores	Insects, worms, small crustaceans and gastropods, spiders, some seeds
<i>Gallinula chloropus</i>	Common Moorhen	T	LC	Stable	T + F + M	NA	NA	Pets Sport Food	Insectivores Piscivores	Omnivorous, worms, crustaceans, molluscs, insects, spiders, fishes, tadpoles, occasionally eggs, algae, seeds and other vegetal matter
<i>Gelochelidon nilotica</i>	Common Gull-billed Tern	B	LC	Decreasing	T + F + M	Coastal sand dunes Pelagic	major marginal	NA	Insectivores Raptors Piscivores	Primarily insects, spiders, worms, small reptiles, frogs, small fishes, other invertebrates, rarely rodents and small birds
<i>Geronticus eremita</i>	Northern Bald Ibis	NA	EN	Stable	T	Rocky areas Dry caves Sea cliffs and rocky offshore islands	major suitable suitable	Pets Food	Insectivores Raptors Scavengers Frugivores	Omnivorous, insects, spiders, scorpions, worms, snails, fishes, amphibians, lizards, snakes, rodents, birds, alive or dead, berries and other vegetal matter

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<i>Glareola pratincola</i>	Collared Pratincole	T	LC	Decreasing	T + F + M	Mud shorelines	suitable	Pets Food	Insectivores Piscivores	Insects, spiders, molluscs
<i>Gyps fulvus</i>	Griffon Vulture	NB	LC	Increasing	T	Rocky areas	major	Pets	Scavengers	Carrions
<i>Gyps rueppelli</i>	Rüppell's Vulture	R	CR	Decreasing	T	Rocky areas Hot deserts	major marginal	Pets Medicine Other	Scavengers	Carrions
<i>Haematopus ostralegus</i>	Eurasian Oystercatcher	W	NT	Decreasing	T + F + M	Rocky shorelines Mud shorelines Salt marshes Tidepools	suitable suitable major suitable	Pets Sport	Piscivores Insectivores	Bivalves, gastropods, polychaetes, crustaceans, molluscs, earthworms, insects
<i>Hieraaetus pennatus</i>	Booted Eagle	T	LC	Unkown	T	Hot deserts	suitable	Pets	Raptors	Small birds
<i>Himantopus himantopus</i>	Black-winged Stilt	R	LC	Increasing	T + F + M	Mud shorelines	suitable	Pets Sport Food	Insectivores Piscivores	Insects, molluscs, crustaceans, spiders, worms, tadpoles, small fishes and fish eggs, occasionally seeds, seasonal
<i>Hippolais icterina</i>	Icterine Warbler	T	LC	Decreasing	T	NA	NA	Sport	Insectivores Frugivores	Insects, other invertebrates, fruits, berries
<i>Hippolais polyglotta</i>	Melodious Warbler	T	LC	Increasing	T	NA	NA	NA	Insectivores	Insects, other invertebrates, some fruits and berries
<i>Hirundo rustica</i>	Barn Swallow	T	LC	Decreasing	T + F	Urban areas	suitable	Pets Sport Food	Insectivores	Insects
<i>Hydrobates castro</i>	Band-rumped Storm-petrel	NB	LC	Decreasing	T + M	Rocky areas Sea cliffs and rocky offshore islands Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic Epipelagic	major major suitable suitable suitable suitable major major	NA	Piscivores	Planktonic crustaceans, fishes, squids, some human refuse
<i>Hydrobates leucorhous</i>	Leach's Storm-petrel	NB	VU	Decreasing	T + M	Rocky shorelines Sea cliffs and rocky offshore islands Pelagic Epipelagic	major major major major	NA	Piscivores	Small fishes, squids, planktonic crustaceans, offal
<i>Hydrobates pelagicus</i>	European Storm-petrel	NB	LC	Unkown	T + M	Rocky shorelines Sea cliffs and rocky offshore islands Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic Epipelagic	major major major major major major major major	Sport	Piscivores	Small fishes, squids, crustaceans, medusae and offal

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<i>Hydrocoleus minutus</i>	Little Gull	NB	LC	Increasing	T + F + M	Sandy shorelines Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic Epipelagic	suitable major major major major major marginal	Sport	Insectivores Piscivores	Insects, small fishes and marine invertebrates, seasonal
<i>Hydropogone caspia</i>	Caspian Tern	R	LC	Increasing	T + F + M	Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic Salt marshes	suitable suitable suitable suitable suitable suitable	Pets Sport	Piscivores Raptors Scavengers	Fishes, eggs and chicks, carions, aquatic invertebrates, insects and earthworms
<i>Iduna opaca</i>	Isabelline Warbler	W	LC	Decreasing	T	NA	NA	NA	Insectivores Frugivores	Insects, spiders, fruits
<i>Jynx torquilla</i>	Eurasian Wryneck	T	LC	Decreasing	T + M	Urban areas	suitable	Pets Food Medicine	Insectivores Frugivores	Insects, spiders, tadpoles, berries
<i>Lanius excubitor</i>	Great Grey Shrike	R	LC	Decreasing	T + F	Rocky areas Hot deserts	suitable suitable	Pets Food	Raptors Insectivores	Small birds and chicks, big insects, rodents, lizards, amphibians
<i>Lanius senator</i>	Woodchat Shrike	T	LC	Decreasing	T	NA	NA	Sport Food	Insectivores Raptors	Insects, other invertebrates, rodents, lizards, frogs, some berries
<i>Larus audouinii</i>	Audouin's Gull	W	LC	Stable	T + M	Rocky areas Sandy shorelines Rocky shorelines Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic Epipelagic	suitable suitable suitable major major major major major marginal	Pets Sport Food	Piscivores Insectivore Raptors	Fishes, invertebrates, small birds, vegetal material
<i>Larus cirrocephalus</i>	Grey-headed Gull	R	LC	Stable	T + F + M	Sandy shorelines Rocky shorelines Sea cliffs and rocky offshore islands Coastal sand dunes Tidepools	suitable suitable major marginal suitable	Pets Food Medicine	Piscivores Raptors Scavengers	Fishes, invertebrates, eggs, carions
<i>Larus fuscus</i>	Lesser Black-backed Gull	W	LC	Increasing	T + F + M	Urban areas Sandy shorelines Sea cliffs and rocky offshore islands Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic Epipelagic	suitable major major suitable suitable suitable suitable suitable suitable	Pets Sport	Piscivores Insectivores Raptors Scavengers	Omnivorous, small fishes, invertebrates, eggs and chicks, carions, offal, rodents, berries and grain

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<i>Larus genei</i>	Slender-billed Gull	R	LC	Unknown	T + F + M	Sandy shorelines Rocky shorelines Sea cliffs and rocky offshore islands Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Tidepools	suitable suitable suitable major major major major suitable	Sport	Piscivores Insectivores	Fishes, insects, marine invertebrates
<i>Larus marinus</i>	Great Black-backed Gull	W	LC	Unknown	T + M	Sandy shorelines Rocky shorelines Sea cliffs and rocky offshore islands Coastal Sand Dunes Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic	suitable suitable major suitable suitable suitable suitable suitable suitable	Pets Sport	Piscivores Raptors Insectivores Scavengers	Omnivorous, fishes, birds and chicks, eggs, mammals, insects, marine organisms, carions, refuses
<i>Larus melanocephalus</i>	Mediterranean Gull	W	LC	Decreasing	T + F + M	Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic Salt marshes	suitable suitable suitable suitable suitable suitable	Sport Food	Insectivores Piscivores Frugivores	Insects, gastropods, fishes, rodents, molluscs, worms, berries, seeds, occasionally refuse, seasonal
<i>Larus michahellis</i>	Yellow-legged Gull	W	LC	Increasing	T + F + M	Urban areas Sandy shorelines Rocky shorelines Sea cliffs and rocky offshore islands Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic	suitable major suitable major suitable suitable suitable suitable suitable	NA	Piscivores Raptors	Fishes, invertebrates, reptiles, small mammals, refuse and offals, eggs and chicks
<i>Larus ridibundus</i>	Black-headed Gull	W	LC	Unknown	T + F + M	Urban areas Sandy shorelines Rocky shorelines Coastal sand dunes Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic Salt marshes Tidepools	suitable suitable suitable suitable suitable suitable suitable suitable suitable suitable suitable	Pets Sport Food	Insectivores Piscivores Scavengers	Insects, earthworms and marine invertebrates, refuses, some fishes, rodents and grain, seasonal
<i>Limosa lapponica</i>	Bar-tailed Godwit	W	NT	Decreasing	T + F + M	Sandy shorelines	major	Sport Food	Insectivores Piscivores	Insects, annelid worms, molluscs, bivalves, crustaceans, earthworms occasionally seeds, berries, tadpoles and small fishes

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<i>Limosa limosa</i>	Black-tailed Godwit	W	NT	Decreasing	T + F + M	Urban areas Mud shorelines Salt marshes	NA major suitable	Pets Sport Food	Insectivores Piscivores Frugivores	Insects, other invertebrates, marine organisms, berries, seeds, seasonal
<i>Linaria cannabina</i>	Common Linnet	W	LC	Decreasing	T	NA	NA	Pets Food	Frugivores	Seeds, buds, some invertebrates
<i>Locustella lusciniooides</i>	Savi's Warbler	T	LC	Stable	T + F	NA	NA	NA	Insectivores Piscivores	Insects, spiders and small molluscs
<i>Locustella naevia</i>	Common Grasshopper-warbler	T	LC	Stable	T + F	NA	NA	NA	Insectivores Piscivores	Insects, spiders and small molluscs
<i>Luscinia megarhynchos</i>	Common Nightingale	T	LC	Stable	T	Urban areas	suitable	Pets Sport Food	Insectivores Frugivores	Invertebrates, berries, seeds
<i>Mareca penelope</i>	Eurasian Wigeon	W	LC	Decreasing	T + F + M	Mud shorelines Salt marshes	suitable suitable	Pets Sport Food	Frugivores	Vegetarian, seeds, roots, etc.
<i>Melanitta nigra</i>	Common Scoter	W	LC	Unkown	T + F + M	Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic	major major major major suitable	Pets Sport	Piscivores	Molluscs, some aquatic invertebrates, insects, small fishes and fish eggs, plant matter, seeds
<i>Merops apiaster</i>	European Bee-eater	T	LC	Stable	T + F	NA	NA	Pets Sport Food	Insectivores	Insects
<i>Merops persicus</i>	Blue-checked Bee-eater	T	LC	Stable	T + F + M	Hot deserts Mangroves	major suitable	Sport	Insectivores	Insects
<i>Microcarbo africanus</i>	Long-tailed Cormorant	R	LC	Decreasing	T + F + M	Sea cliffs and rocky offshore islands Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Subtropical/tropical mangroves	suitable suitable suitable suitable suitable suitable	Pets	Piscivores Raptors	Fishes, frogs, crustaceans, aquatic insects, molluscs, occasionally small birds
<i>Milvus migrans</i>	Black Kite	T	LC	Unkown	T + F + M	Urban areas Hot deserts Sandy shorelines Rocky shorelines Sea cliffs and rocky offshore islands Tidepools	suitable suitable suitable suitable suitable suitable	NA	Raptors Scavengers Frugivores	Birds, mammals, fishes, lizards, amphibians, invertebrates, carrions, fruits
<i>Mirafra cordofanica</i>	Kordofan Lark	R	LC	Decreasing	T	NA	NA	NA	Frugivores Insectivores	Seeds, insects
<i>Monticola saxatilis</i>	Rufous-tailed Rock-thrush	T	LC	Decreasing	T	Rocky areas	major	Pets	Insectivores Frugivores	Insects, fruits, berries
<i>Monticola solitarius</i>	Blue Rock-thrush	W	LC	Stable	T	Urban areas Rocky areas	marginal major	Pets Sport Food	Insectivores Raptors Frugivores	Invertebrates, small vertebrates, fruits

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<i>Morus bassanus</i>	Northern Gannet	NB	LC	Increasing	T + M	Sea cliffs and rocky offshore islands Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic Epipelagic	major suitable suitable suitable suitable major major	Pets Sport Food	Piscivores	Fishes
<i>Motacilla alba</i>	White Wagtail	W	LC	Stable	T + F	Hot deserts Sandy shorelines Rocky shorelines Tidepools	suitable suitable suitable suitable	Pets Sport Food	Insectivores Scavengers	Invertebrates, fish fry, crumbs and other household scraps
<i>Motacilla cinerea</i>	Grey Wagtail	W	LC	Stable	T + F	Urban areas	suitable	Pets Sport Food	Insectivores	Insects, freshwater shrimps, terrestrial snails and spiders
<i>Motacilla flava</i>	Western Yellow Wagtail	B	LC	Decreasing	T + F	NA	NA	Pets Sport Food	Insectivores	Invertebrates, some seeds
<i>Muscicapa striata</i>	Spotted Flycatcher	T	LC	Decreasing	T	Urban areas	suitable	Sport Food	Insectivores	Insects, other invertebrates, sometimes fruits
<i>Mycteria ibis</i>	Yellow-billed Stork	T	LC	Decreasing	T + F + M	Mud shorelines	suitable	Pets	Piscivores Raptors Insectivores	Small fishes, frogs, aquatic insects, worms, crustaceans, occasionally small mammals and birds
<i>Neophron percnopterus</i>	Egyptian Vulture	W	EN	Decreasing	T + F	Urban areas Rocky areas	major	Pets Medicine	Scavengers Raptors Insectivores	Carcasses, tortoises, organic wastes, insects, vertebrates, eggs, feces
<i>Neotis nuba</i>	Nubian Bustard	R	NT	Decreasing	T	NA	NA	Pets Sport Food	Insectivores Frugivores	Insects, seeds, fruits
<i>Numenius arquata</i>	Eurasian Curlew	W	NT	Decreasing	T + F + M	Mud shorelines Coastal sand dunes Salt marshes Subtropical/tropical mangroves	major suitable suitable suitable	Pets Sport Food	Insectivores Piscivores Frugivores	Annelid worms and terrestrial insects, crustaceans, molluscs, polychaete worms, spiders, berries, seeds, occasionally small fishes, amphibians, lizards, birds and rodents, seasonal
<i>Numenius phaeopus</i>	Whimbrel	W	LC	Decreasing	T + F + M	Rocky shorelines Mud shorelines Tidepools Subtropical/tropical mangroves	major suitable suitable suitable	Pets Sport Food	Insectivores Frugivores Piscivores	Insects, spiders, millipedes, earthworms, snails, slugs, seeds, berries, crustaceans, molluscs, polychaete worms, occasionally fishes, reptiles and birds, seasonal
<i>Nycticorax nycticorax</i>	Black-crowned Night-heron	R	LC	Decreasing	T + F + M	Salt marshes Subtropical/tropical mangroves	major suitable	Pets Food Handicrafts	Piscivores Raptors Insectivores	Fishes, frogs, tadpoles, turtles, snakes, lizards, insects, spiders, crustaceans, molluscs, leeches, small rodents, bats, eggs and chicks

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<i>Oceanites oceanicus</i>	Wilson's Storm-petrel	NB	LC	Stable	T + M	Rocky areas Rocky shorelines Sea cliffs and rocky offshore islands Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic Epipelagic	major suitable major major major major major major major	NA	Piscivores	Crustaceans, fishes
<i>Oena capensis</i>	Namaqua Dove	R	LC	Increasing	T	NA	NA	Pets	Frugivores	Grasses, seeds, occasionally insects and other invertebrates
<i>Oenanthe hispanica</i>	Black-eared Wheatear	W	LC	Decreasing	T	Rocky areas	major	Sport	Insectivores Frugivores	Invertebrates, berries, seeds
<i>Oenanthe leucopyga</i>	White-crowned Wheatear	R	LC	Stable	T	Rocky areas Hot deserts	major major	NA	Insectivores	Insects, sometimes seeds and berries, small reptiles
<i>Oenanthe leucura</i>	Black Wheatear	R	LC	Decreasing	T + M	Rocky areas Sea cliffs and rocky offshore islands	major suitable	NA	Insectivores Raptors	Invertebrates, small lizards, vegetal matters
<i>Oenanthe moesta</i>	Buff-rumped Wheatear	R	LC	Stable	T + F	Rocky areas Hot deserts	suitable suitable	Pets	Insectivores	Insects
<i>Oenanthe oenanthe</i>	Northern Wheatear	W	LC	Decreasing	T + F + M	Rocky areas Hot deserts Sea cliffs and rocky offshore islands Coastal sand dunes	major suitable suitable suitable	Sport Food	Insectivores	Insects and other invertebrates
<i>Oenanthe seebohmi</i>	Black-throated Wheatear	W	LC	Decreasing	NA	Rocky areas	major	Food	Insectivores	Insects and other invertebrates
<i>Onychoprion anaethetus</i>	Bridled Tern	B	LC	Unkown	T + M	Sandy shorelines Rocky shorelines Sea cliffs and rocky offshore islands Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic Epipelagic Tidepools	major suitable suitable major major major major major suitable suitable	Pets	Piscivores	Squids, fishes, occasionally aquatic insects and molluscs
<i>Onychoprion fuscatus</i>	Sooty Tern	T	LC	Unkown	T + M	Sandy shorelines Rocky shorelines Sea cliffs and rocky offshore islands Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic Epipelagic Tidepools	major suitable suitable suitable suitable suitable suitable major major suitable	Pets Food	Piscivores	Fishes, squids, occasionally crustaceans, insects and offals

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<i>Oriolus oriolus</i>	Eurasian Golden Oriole	T	LC	Stable	T	Urban areas	suitable	Pets Sport Food	Insectivores Frugivores	Small invertebrates, fruits, occasionally seeds, rarely small lizards and meals, eggs and chicks
<i>Otus scops</i>	Eurasian Scops-owl	T	LC	Decreasing	T	Urban areas	suitable	Pets	Insectivores Raptors	Insects, rodents, lizards, frogs
<i>Pandion haliaetus</i>	Osprey	W	LC	Increasing	T + F + M	Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Subtropical/tropical mangroves	suitable suitable suitable suitable suitable	Pets Sport	Piscivores	Fishes
<i>Passer luteus</i>	Sudan Golden Sparrow	R	LC	Stable	T	Urban areas	suitable	Pets	Frugivores	Seeds, sometimes insects
<i>Passer simplex</i>	Desert Sparrow	R	LC	Decreasing	T	Urban areas Hot deserts	marginal suitable	NA	Frugivores Insectivores	Seeds, vegetation, insects and other invertebrates (for chicks)
<i>Pelagodroma marina</i>	White-faced Storm-petrel	NB	LC	Decreasing	T + M	Sandy shorelines Rocky shorelines Sea cliffs and rocky offshore islands Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic Epipelagic	major suitable major suitable suitable suitable suitable major major	Food	Piscivores	Planktonic crustaceans, small fishes, squids
<i>Pelecanus onocrotalus</i>	Great White Pelican	R	LC	Unkown	T + F + M	Mud shorelines Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds	suitable suitable suitable suitable suitable	Pets Sport Food	Piscivores	Fishes
<i>Pernis apivorus</i>	European Honey-buzzard	T	LC	Decreasing	T	NA	NA	Pets Sport	Insectivores	Insects and other invertebrates
<i>Phaethon aethereus</i>	Red-billed Tropicbird	NB	LC	Decreasing	T + M	Sea cliffs and rocky offshore islands Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic Epipelagic	major major major major major major major	Pets Food	Piscivores	Fishes, squids
<i>Phalacrocorax carbo</i>	Great Cormorant	R	LC	Increasing	T + F + M	Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic	major major major major major	Pets Sport Food	Piscivores Raptors	Fishes, crustaceans, amphibians, molluses, chicks

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<i>Phalaropus fulicarius</i>	Red Phalarope	W	LC	Unkown	T + F + M	Rocky shorelines Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic Epipelagic Tidepools	suitable major major major major major suitable suitable	Pets	Insectivores Piscivores	Insects, molluscs, crustaceans, annelid worms, spiders, mites, jellyfish, plankton, hydzoza and small fishes, occasionally seeds
<i>Phoeniconaias minor</i>	Lesser Flamingo	NB	NT	Decreasing	T + F + M	Mud shorelines	suitable	Pets Food	Miscellaneous	Small algae, diatoms, occasionally small aquatic invertebrates
<i>Phoenicopterus roseus</i>	Greater Flamingo	R	LC	Increasing	T + F + M	NA	NA	Pets Food	Piscivores Insectivores Frugivores	Crustaceans, molluscs, annelid worms, aquatic insects, small fishes, terrestrial insects, seeds, algae, diatoms
<i>Phoenicurus ochruros</i>	Black Redstart	W	LC	Increasing	T + M	Urban areas Rocky areas Sea cliffs and rocky offshore islands	major major suitable	Pets Sport Food	Insectivores Frugivores	Invertebrates, berries
<i>Phoenicurus phoenicurus</i>	Common Redstart	T	LC	Increasing	T	Urban areas	suitable	Pets Sport	Frugivores	Fruits, berries
<i>Phylloscopus bonelli</i>	Western Bonelli's Warbler	T	LC	Stable	T	NA	NA	NA	Insectivores	Insects and other invertebrates
<i>Phylloscopus collybita</i>	Common Chiffchaff	W	LC	Increasing	T	Subtropical/tropical mangroves	suitable	Sport	Insectivores Piscivores Frugivores	Insects, other invertebrates, molluscs, seeds, berries
<i>Phylloscopus sibilatrix</i>	Wood Warbler	W	LC	Decreasing	T	NA	NA	Sport	Insectivores	Insects, other invertebrates, some fruits, seasonal
<i>Phylloscopus trochilus</i>	Willow Warbler	T	LC	Decreasing	T + F	Subtropical/tropical mangroves	suitable	Pets Sport	Insectivores	Insects, some vegetal matters
<i>Platalea leucorodia</i>	Eurasian Spoonbill	R	LC	Unkown	T + F + M	Subtropical/tropical mangroves	suitable	Pets Food	Insectivores Piscivores Raptors	Insects, molluscs, crustaceans, worms, leeches, frogs, tadpoles and small fishes, some algae and aquatic plants
<i>Plegadis falcinellus</i>	Glossy Ibis	R	LC	Decreasing	T + F + M	NA	NA	Pets Sport Food	Insectivores Piscivores	Insects, worms, leeches, molluscs, crustaceans, occasionally fishes, frogs, tadpoles, lizards, small snakes and chicks, seasonal
<i>Pluvialis squatarola</i>	Grey Plover	W	LC	Decreasing	T + F + M	Sandy shorelines Rocky shorelines Mud shorelines Tidepools	suitable suitable major suitable	Pets Sport Food	Insectivores Frugivores Piscivores	Insects, seeds, marine polychaete worms, molluscs, crustaceans, seasonal

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<i>Porzana porzana</i>	Spotted Crake	T	LC	Stable	T + F	NA	NA	Pets Sport Food	Insectivores Piscivores Frugivores	Omnivorous, insects, earthworms, molluscs, arachnids, small fishes, seeds
<i>Pterocles senegallus</i>	Spotted Sandgrouse	T	LC	Stable	T + F	Hot deserts	major	Sport	Frugivores	Seeds, sometimes insects
<i>Ptyonoprogne obsoleta</i>	Pale Rock Martin	R	LC	Increasing	T + F	Urban areas Rocky areas Hot deserts	suitable major suitable	NA	Insectivores	Insects
<i>Puffinus lherminieri</i>	Audubon's Shearwater	NB	LC	Decreasing	T + M	Sea cliffs and rocky offshore islands Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic Epipelagic	major major major major major major major	Food	Piscivores	Fishes, squids, crustaceans
<i>Puffinus puffinus</i>	Manx Shearwater	NB	LC	Unkown	T + M	Sea cliffs and rocky offshore islands Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Epipelagic Pelagic	suitable major major major major major major	Sport Food	Piscivores	Fishes, some squids, crustaceans and offal
<i>Recurvirostra avosetta</i>	Pied Avocet	W	LC	Unkown	T + F + M	Mud shorelines	suitable	Pets Sport Food	Insectivores Piscivores Frugivores	Aquatic invertebrates, crustaceans, worms, molluscs, fishes, seeds
<i>Riparia riparia</i>	Collared Sand Martin	T	LC	Decreasing	T + F	NA	NA	Sport	Insectivores	Insects, spiders
<i>Rissa tridactyla</i>	Black-legged Kittiwake	W	VU	Decreasing	T + M	Sandy shorelines Rocky shorelines Sea cliffs and rocky offshore islands Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic Epipelagic Tidepools	marginal marginal major suitable suitable suitable suitable major suitable marginal	Pets Food	Piscivores Raptors Insectivores	Marine invertebrates and fishes, molluscs, crustaceans, earthworms, small mammals and plant matter, planktonic invertebrates, seasonal
<i>Saxicola rubetra</i>	Whinchat	T	LC	Decreasing	T	NA	NA	Food	Insectivores Frugivores	Invertebrates, fruits, seeds, seasonal
<i>Saxicola torquatus</i>	Common Stonechat	W	LC	Stable	T + F	Urban areas	suitable	Pets Food	Insectivores	Insects, other invertebrates, occasionally small vertebrates, seeds, fruits
<i>Spatula clypeata</i>	Northern Shoveler	T	LC	Decreasing	T + F + M	Mud shorelines	suitable	Pets Sport Food	Insectivores Piscivores Frugivores	Insects, molluscs, planktonic crustaceans, seeds, annelids, tadpoles, spiders, fishes, vegetative parts of aquatic plants

Scientific name	Common Name	Status within the PNBA <sup>a</sup>	IUCN Status <sup>b</sup>	Global Population Trend	Biome(s) <sup>c</sup>	Habitat(s) within the PNBA	Relative importance of the habitat for the species	Consumption Use(s) <sup>d</sup>	Functional Group(s)	Diet
<i>Spatula querquedula</i>	Garganey	T	LC	Decreasing	T + F + M	Salt marshes	suitable	Pets Sport Food	Insectivores Piscivores Frugivores	Omnivorous, insects, molluscs, crustaceans, worms, leeches, tadpoles, small fishes, seeds, roots
<i>Spilopelia senegalensis</i>	Laughing Dove	T	LC	Stable	T + F	Urban areas	suitable	Pets Sport Food	Frugivores	Seeds, fruits, some insects
<i>Stercorarius longicaudus</i>	Long-tailed Jaeger	T	LC	Stable	T + M	Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic Epipelagic	suitable suitable suitable suitable major suitable	NA	Raptors Insects Frugivores	Mammals, insects, berries, small birds, probably fishes and carrions
<i>Stercorarius parasiticus</i>	Arctic Jaeger	W	LC	Stable	T + M	Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic Epipelagic	major major major major suitable suitable	Sport	Raptors Insectivores Frugivores	Klpetoparasite, rodents, birds, chicks and eggs, insects, berries
<i>Stercorarius pomarinus</i>	Pomarine Jaeger	W	LC	Stable	T + F + M	Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic Epipelagic	major major major major suitable suitable	Sport	Raptors Piscivores Scavengers	Mammals, birds, eggs, carrions, fishes, seasonal
<i>Sterna dougallii</i>	Roseate Tern	W	LC	Unkown	T + M	Sandy shorelines Sea cliffs and rocky offshore islands Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic Epipelagic Salt marshes	major major major major major major suitable suitable marginal	Pets Sport Food	Piscivores Insectivores	Fishes, insects, marine invertebrates
<i>Sterna hirundo</i>	Common Tern	R	LC	Unkown	T + F + M	Sandy shorelines Rocky shorelines Sea cliffs and rocky offshore islands Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic	suitable suitable suitable major major major major suitable	Pets Food	Piscivores	Fishes, occasionally planktonic crustaceans and insects
<i>Sterna paradisaea</i>	Arctic Tern	T	LC	Decreasing	T + F + M	Sandy shorelines Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic	suitable major major major major suitable	Pets	Piscivores Insectivores Frugivores	Fishes, crustaceans, molluscs, insects, earthworms, berries

Scientific name	Common Name	Status within the PNBA <sup>a</sup>	IUCN Status <sup>b</sup>	Global Population Trend	Biome(s) <sup>c</sup>	Habitat(s) within the PNBA	Relative importance of the habitat for the species	Consumption Use(s) <sup>d</sup>	Functional Group(s)	Diet
<i>Sternula albifrons</i>	Little Tern	R	LC	Decreasing	T + F + M	Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic	suitable suitable suitable suitable marginal	Sport	Piscivores Insectivores	Small fishes, crustaceans, insects, annelid worms, molluscs
<i>Streptopelia decipiens</i>	Mourning Collared-dove	R	LC	Stable	T + F	NA	NA	Pets	Frugivores	Seeds, grains, other vegetation
<i>Streptopelia turtr</i>	European Turtle-dove	T	VU	Decreasing	T	NA	NA	Pets Sport Food	Frugivores	Seeds and fruits of weeds and cereals, rarely berries, fungi and invertebrates
<i>Struthio camelus</i>	Common Ostrich	R	LC	Decreasing	T	NA	NA	Pets Food Handicrafts	Frugivores	Seeds, fruits, flowers, sometimes invertebrates
<i>Sula leucogaster</i>	Brown Booby	NB	LC	Decreasing	T + M	Sea cliffs and rocky offshore islands Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic Epipelagic	suitable major major major major major major	Pets Food	Piscivores	Fishes, squids
<i>Sylvia atricapilla</i>	Eurasian Blackcap	W	LC	Increasing	T	Urban areas Subtropical/tropical mangroves	suitable suitable	Pets Sport Food	Insectivores Frugivores	Insects, fruits, seasonal
<i>Sylvia borin</i>	Garden Warbler	T	LC	Decreasing	T	NA	NA	Sport Food	Insectivores Frugivores	Insects, fruits and plant material, seasonal
<i>Sylvia cantillans</i>	Subalpine Warbler	W	LC	Increasing	T	NA	NA	Sport	Insectivores Frugivores	Insects, berries, fruits, seasonal
<i>Sylvia communis</i>	Common Whitethroat	T	LC	Increasing	T	NA	NA	Pets Sport Food	Insectivores Frugivores	Insects, berries, fruits, seasonal
<i>Sylvia conspicillata</i>	Spectacled Warbler	T	LC	Unkown	T + F + M	Hot deserts Salt marshes	major suitable	Sport	Insectivores Frugivores	Insects, berries, seasonal
<i>Sylvia curruca</i>	Lesser Whitethroat	T	LC	Stable	T + F	NA	NA	Pets Sport	Insectivores Frugivores	Insects, fruits, seasonal
<i>Sylvia deserticola</i>	Tristram's Warbler	W	LC	Stable	T	Hot deserts	suitable	NA	Insectivores	Insects, probably fruits, seeds, grass
<i>Sylvia hortensis</i>	Western Orphean Warbler	T	LC	Increasing	T	NA	NA	Sport	Insectivores Frugivores	Insects, berries
<i>Sylvia melanocephala</i>	Sardinian Warbler	W	LC	Increasing	T	NA	NA	Sport	Insectivores Frugivores	Invertebrates, fruits
<i>Sylvia subalpina</i>	Moltoni's Warbler	W	LC	Increasing	NA	NA	NA	Sport	Insectivores Frugivores	Supposed similar to other species in the genera
<i>Tachymarptis melba</i>	Alpine Swift	T	LC	Stable	T + F	Urban areas Rocky areas	major major	Sport	Insectivores	Insects, sometimes spiders

Scientific name	Common Name	Status within the PNBA <sup>a</sup>	IUCN Status <sup>b</sup>	Global Population Trend	Biome(s) <sup>c</sup>	Habitat(s) within the PNBA	Relative importance of the habitat for the species	Consumption Use(s) <sup>d</sup>	Functional Group(s)	Diet
<i>Tadorna tadorna</i>	Common Shelduck	T	LC	Increasing	T + F + M	Mud shorelines	major	Pets Sport Food	Piscivores Insectivores Frugivores	Molluscs, aquatic insects, crustaceans, worms, small fishes, seeds, plant material
<i>Thalasseus bengalensis</i>	Lesser Crested Tern	W	LC	Stable	T + M	Sandy shorelines Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic	major major major major major suitable	NA	Piscivores	Fishes, shrimps
<i>Thalasseus sandvicensis</i>	Sandwich Tern	W	LC	Stable	T + M	Sandy shorelines Rocky shorelines Mud shorelines Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic Epipelagic	major major suitable major major major major suitable marginal	Sport Food	Piscivores Raptors	Fishes, shrimps, marine worms, chicks
<i>Thalasseus maximus</i>	Royal Tern	R	LC	Stable	T + M	Sandy shorelines Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic Salt marshes	major major major major major suitable suitable	Pets	Piscivores	Fishes, squids, shrimps and crabs
<i>Tringa erythropus</i>	Spotted Redshank	W	LC	Stable	T + F + M	Mud shorelines Salt marshes	suitable suitable	Pets Sport Food	Insectivores Piscivores Raptors	Insects, small crustaceans, molluscs, polychaete worms, small fishes and amphibians
<i>Tringa glareola</i>	Wood Sandpiper	T	LC	Stable	T + F	NA	NA	Pets Sport Food	Insectivores Piscivores Raptors Frugivores	Insects, worms, spiders, crustaceans, molluscs, small fishes, frogs, seeds, plant matter
<i>Tringa nebularia</i>	Common Greenshank	W	LC	Stable	T + F + M	Rocky shorelines Mud shorelines Salt marshes Tidepools Subtropical/tropical mangroves	suitable suitable suitable suitable suitable	Pets Sport Food	Insectivores Raptors Piscivores	Insects, crustaceans, annelids, molluscs, amphibians, small fishes, occasionally rodents
<i>Tringa ochropus</i>	Green Sandpiper	T	LC	Increasing	T + F	NA	NA	Pets Sport Food	Insectivores Piscivores	Omnivorous, insects, annelids, small crustaceans, spiders, fishes, plant matter
<i>Tringa stagnatilis</i>	Marsh Sandpiper	W	LC	Decreasing	T + F + M	Mud shorelines	suitable	Sport Food	Piscivores Insectivores	Small fishes, crustaceans, molluscs, insects
<i>Tringa totanus</i>	Common Redshank	W	LC	Unkown	T + F + M	Mud shorelines Salt marshes	suitable suitable	Pets Sport Food	Insectivores Piscivores	Insects, spiders, annelid worms, molluscs, crustaceans, occasionally small fishes and tadpoles

Scientific name	Common Name	Status within the PNBA <sup>a</sup>	IUCN Status <sup>b</sup>	Global Population Trend	Biome(s) <sup>c</sup>	Habitat(s) within the PNBA	Relative importance of the habitat for the species	Consumption Use(s) <sup>d</sup>	Functional Group(s)	Diet
<i>Turdus philomelos</i>	Song Thrush	W	LC	Increasing	T	Urban areas	suitable	Pets Sport Food	Insectivores Frugivores	Invertebrates, fruits
<i>Tyto alba</i>	Common Barn-owl	R	LC	Stable	T + F	Urban areas Dry caves	marginal suitable	Pets Sport Food	Raptors	Small rodents, some insects and frogs
<i>Upupa epops</i>	Common Hoopoe	T	LC	Decreasing	T	Urban areas	suitable	Pets Food	Insectivores	Insects
<i>Urocolius macrourus</i>	Blue-naped Mousebird	R	LC	Decreasing	T + F	NA	NA	Pets	Frugivores	Seeds, fruits
<i>Vanellus vanellus</i>	Northern Lapwing	W	NT	Decreasing	T + M	NA	NA	Pets Sport Food	Insectivores Raptors Piscivores Frugivores	Insects, spiders, snails, earthworms, frogs, small fishes, seeds, plant matter
<i>Xema sabini</i>	Sabine's Gull	T	LC	Stable	T + F + M	Subtidal sandy bottoms Subtidal sandy-mud bottoms Macroalgal beds/kelps forests Seagrass beds Pelagic Epipelagic	suitable suitable suitable suitable suitable suitable	NA	Insectivores Piscivores Scavengers Raptors Frugivores	Insects, spiders, small fishes, carrions, small birds and eggs, seeds and plant matter, marine invertebrates, seasonal

<sup>a</sup> Status within the PNBA: R = Resident, B = Breeding, W = Wintering, NB = Non-breeding, T = Transient;

<sup>b</sup> IUCN Status: LC = Least Concern, NT = Near Threatened, VU = Vulnerable, EN = Endangered, CR = Critically Endangered;

<sup>c</sup> Biome(s): T = Terrestrial, F = Freshwater, M = Marine;

<sup>d</sup> Consumption Use(s): Pets = Pets/display animals, Sport = Sport hunting/specimen collecting, Food = Food for humans, Medicine = Medicine for humans or animals, Handicrafts = Handicrafts/jewelry/decorations/other curios, Other = Other household goods, Fuels = Fuels/combustible.

**Supplementary Table S2.** Annual guano production of the (a) seabird and (b) shorebird species associated with the National Park of Banc d'Arguin (PNBA) and associated monetary value of the subsequent nutrients input.

Scientific name	Guano production rate (g of wet mass/ind./day) <sup>a</sup>	Number of individuals in the PNBA <sup>b</sup>	Daily guano production (kg of wet mass)	Presence in the PNBA (days/year) <sup>c</sup>	Annual guano production (t of wet mass)	Annual nutrients input value (€) <sup>d</sup>
<b>(a) Seabirds</b>						
<i>Ardenna gravis</i>	80.00	5 – 85	0.400 – 6.800	119	0.048 – 0.809	20.56 – 349.46
<i>Ardenna grisea</i>	80.00	1 – 36	0.080 – 2.880	91	0.007 – 0.262	3.14 – 113.18
<i>Bulweria bulwerii</i>	46.00	1 – 8	0.046 – 0.368	93	0.004 – 0.034	1.85 – 14.78
<i>Calonectris borealis</i>	80.00	1 – 2 037	0.080 – 162.960	62	0.005 – 10.104	2.14 – 4,363.24
<i>Calonectris diomedea</i>	80.00	1 – 64	0.080 – 5.120	62	0.005 – 0.317	2.14 – 137.09
<i>Calonectris edwardsii</i>	80.00	1 – 577	0.080 – 46.160	62	0.005 – 2.862	2.14 – 1,235.93
<i>Catharacta maccormicki</i>	185.00	1 – 17	0.185 – 3.145	31	0.006 – 0.097	2.48 – 42.10
<i>Catharacta skua</i>	185.00	1 – 202	0.185 – 37.370	242	0.045 – 9.044	19.33 – 3,905.48
<i>Chlidonias hybrida</i>	46.00	2	0.092	30	0.003	1.19
<i>Chlidonias leucopterus</i>	46.00	NA	NA	91	NA	NA
<i>Chlidonias niger</i>	46.00	1 – 80,000	0.046 – 3,680.000	184	0.008 – 677.120	3.66 – 292,416.63
<i>Gelochelidon nilotica</i>	80.00	443	35.440	129	4.572	1,974.33
<i>Hydrobates castro</i>	46.00	1 – 537	0.046 – 24.702	150	0.007 – 3.705	2.98 – 1,600.15
<i>Hydrobates leucorhous</i>	46.00	28 – 120	1 288 – 5,520	93	0.120 – 0.513	51.73 – 221.70
<i>Hydrobates pelagicus</i>	46.00	1 – 4,279	0.046 – 196.834	213	0.010 – 41.926	4.23 – 18,105.73
<i>Hydrocoloeus minutus</i>	46.00	3	0.138	212	0.029	12.63
<i>Hydropogon caspia</i>	80.00	4 573	365.480	365	133.532	57,666.09
<i>Larus audouinii</i>	80.00	18	1.440	243	0.350	151.11
<i>Larus cirrocephalus</i>	80.00	33	2.640	365	0.964	416.13
<i>Larus fuscus</i>	80.00	6,240	499.200	242	120.806	52,170.66
<i>Larus genei</i>	80.00	5,176	414.080	365	151.139	65,269.99
<i>Larus marinus</i>	185.00	1 – 2	0.185 – 0.370	154	0.028 – 0.057	12.30 – 24.61
<i>Larus melanocephalus</i>	80.00	2	0.160	242	0.039	16.72
<i>Larus michahellis</i>	185.00	1 – 16	0.185 – 2.960	NA	NA	NA
<i>Larus ridibundus</i>	80.00	96	7.680	214	1.644	709.76
<i>Microcarbo africanus</i>	80.00	2,938	235.040	365	85.790	37,048.54
<i>Morus bassanus</i>	185.00	310	57.350	212	12.158	5,250.56

Scientific name	Guano production rate (g of wet mass/ind./day) <sup>a</sup>	Number of individuals in the PNBA <sup>b</sup>	Daily guano production (kg of wet mass)	Presence in the PNBA (days/year) <sup>c</sup>	Annual guano production (t of wet mass)	Annual nutrients input value (€) <sup>d</sup>
<i>Oceanites oceanicus</i>	46.00	1 – 1,147	0.046 – 52.762	90	0.004 – 4.749	1.79 – 2,050.69
<i>Onychoprion anaethetus</i>	46.00	2 – 171	0.092 – 7.866	214	0.020 – 1.683	8.50 – 726.95
<i>Onychoprion fuscatus</i>	46.00	NA	NA	153	NA	NA
<i>Pelagodroma marina</i>	46.00	1 – 5	0.046 – 0.230	120	0.006 – 0.028	2.38 – 11.92
<i>Pelecanus onocrotalus</i>	NA	7,959	NA	365	NA	NA
<i>Phalacrocorax carbo</i>	185.00	14504	2 683.240	365	979.383	422,949.78
<i>Puffinus lherminieri</i>	46.00	NA	NA	NA	NA	NA
<i>Puffinus puffinus</i>	80.00	1 – 31	0.080 – 2.480	31	0.002 – 0.077	1.07 – 33.20
<i>Rissa tridactyla</i>	80.00	1 – 9	0.080 – 0.720	90	0.007 – 0.065	3.11 – 27.98
<i>Stercorarius longicaudus</i>	80.00	3 – 248	0.240 – 19.840	183	0.044 – 3.631	18.97 – 1,567.94
<i>Stercorarius parasiticus</i>	80.00	1 – 34	0.080 – 2.720	273	0.022 – 0.743	9.43 – 320.68
<i>Stercorarius pomarinus</i>	80.00	1 – 2,134	0.080 – 170.720	273	0.022 – 46.607	9.43 – 20,127.20
<i>Sterna dougallii</i>	80.00	2	0.160	243	0.039	16.79
<i>Sterna hirundo</i>	46.00	941	43.286	365	15.799	6,823.02
<i>Sterna paradisaea</i>	46.00	2 – 15	0.092 – 0.690	129	0.012 – 0.089	5.13 – 38.44
<i>Sternula albifrons</i>	46.00	249	11.454	365	4.181	1,805.45
<i>Sula leucogaster</i>	185.00	1 – 4	0.185 – 0.740	122	0.023 – 0.090	9.75 – 38.99
<i>Thalasseus bengalensis</i>	80.00	4	0.320	89	0.028	12.30
<i>Thalasseus sandvicensis</i>	80.00	1,244	99.520	273	27.169	11,733.01
<i>Thalasseus maximus</i>	80.00	914	73.120	365	26.689	11,525.65
<i>Xema sabini</i>	46.00	1 – 200	0.046 – 9.200	160	0.007 – 1.472	3.18 – 635.69
Total					1,564.779 – 2,370.395	675,755.15 – 1,023,663.48
(b) Shorebirds						
<i>Actitis hypoleucos</i>	6.65 – 510.37	1 – 20	0.007 – 10.207	212	0.001 – 2.164	0.61 – 934.52
<i>Arenaria interpres</i>	6.65 – 510.37	7,100 – 8,238	47.215 – 4,204.428	242	11.426 – 1,017.472	4,934.37 – 439,398.64
<i>Burhinus oedicnemus</i>	6.65 – 510.37	1 – 17	0.007 – 8.676	242	0.002 – 2.100	0.69 – 906.75
<i>Calidris alba</i>	6.65 – 510.37	41,125	273.481 – 20,988.966	249	68.097 – 5,226.253	29,407.85 – 2,256,975.35
<i>Calidris alpina</i>	6.65 – 510.37	850,650 – 1,023,500	5,656.823 – 522,363.695	249	1,408.549 – 130,068.560	608,286.70 – 56,170,559.86
<i>Calidris canutus</i>	6.65 – 510.37	200,867 – 304,000	1,335.766 – 155,152.480	242	323.255 – 37,546.900	139,598.91 – 16,214,759.00
<i>Calidris ferruginea</i>	6.65 – 510.37	45,174 – 249,000	300.407 – 127,082.130	249	74.801 – 31,643.450	32,303.23 – 13,665,334.05

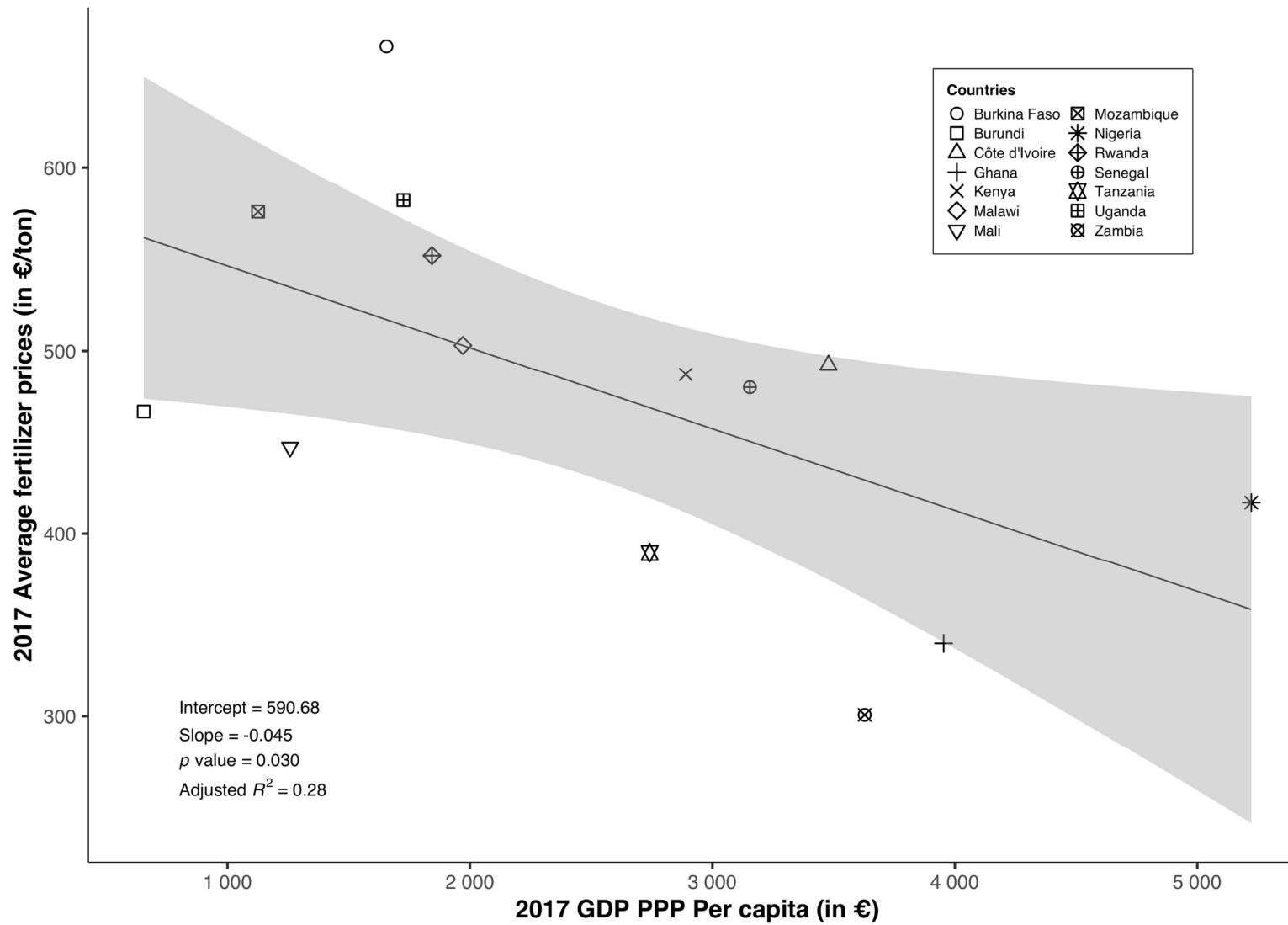
Scientific name	Guano production rate (g of wet mass/ind./day) <sup>a</sup>	Number of individuals in the PNBA <sup>b</sup>	Daily guano production (kg of wet mass)	Presence in the PNBA (days/year) <sup>c</sup>	Annual guano production (t of wet mass)	Annual nutrients input value (€) <sup>d</sup>
<i>Calidris minuta</i>	6.65 – 510.37	14,050 – 65,400	93,433 – 33,378.198	249	23,265 – 8,311.171	10,046.94 – 3,589,208.22
<i>Calidris pugnax</i>	6.65 – 510.37	1	0.007 – 0.510	149	0.001 – 0.076	0.43 – 32.84
<i>Charadrius alexandrinus</i>	6.65 – 510.37	2,600 – 9,792	17,290 – 4,997.543	365	6,311 – 1,824.103	2,725.36 – 787,745.31
<i>Charadrius dubius</i>	6.65 – 510.37	1 – 2	0.007 – 1.021	183	0.001 – 0.187	0.53 – 80.67
<i>Charadrius hiaticula</i>	6.65 – 510.37	58,100 – 77,091	386,365 – 39,344.934	212	81,909 – 8,341.126	35,372.85 – 3,602,144.24
<i>Cursorius cursor</i>	6.65 – 510.37	1 – 31	0.007 – 15.821	365	0.002 – 5.775	1.05 – 2,493.88
<i>Glareola pratincola</i>	6.65 – 510.37	NA	NA	76	NA	NA
<i>Haematopus ostralegus</i>	6.65 – 510.37	5,000 – 7,198	33,250 – 3,673.643	204	6,783 – 749.423	2,929.26 – 323,641.03
<i>Himantopus himantopus</i>	6.65 – 510.37	1 – 40	0.007 – 20.415	365	0.002 – 7.451	1.05 – 3,217.91
<i>Limosa lapponica</i>	6.65 – 510.37	251,246 – 402,600	1,670,786 – 205,474.962	242	404,330 – 49,724.941	174,611.40 – 21,473,888.56
<i>Limosa limosa</i>	6.65 – 510.37	1 – 50	0.007 – 25.519	202	0.001 – 5.155	0.58 – 2,226.09
<i>Numenius arquata</i>	6.65 – 510.37	5,731 – 10,200	38,111 – 5,205.774	219	8,346 – 1,140.065	3,604.40 – 492,340.82
<i>Numenius phaeopus</i>	6.65 – 510.37	6,774 – 27,992	45,047 – 14,286.277	242	10,901 – 3,457.279	4,707.81 – 1,493,037.97
<i>Phalaropus fulicarius</i>	6.65 – 510.37	1 – 2,649	0.007 – 1,351.970	92	0.001 – 124.381	0.26 – 53,714.48
<i>Pluvialis squatarola</i>	6.65 – 510.37	29,531	196,381 – 15,071.736	212	41,633 – 3,195.208	17,979.27 – 1,379,861.74
<i>Recurvirostra avosetta</i>	6.65 – 510.37	15 – 1,000	0.100 – 510.370	105	0.010 – 53.589	4.52 – 23,142.53
<i>Tringa erythropus</i>	6.65 – 510.37	1 – 5	0.007 – 2.552	242	0.002 – 0.618	0.69 – 266.69
<i>Tringa glareola</i>	6.65 – 510.37	1	0.007 – 0.510	122	0.001 – 0.062	0.35 – 26.89
<i>Tringa nebularia</i>	6.65 – 510.37	4,000 – 7,261	26,600 – 3,705.797	242	6,437 – 896.803	2,779.93 – 387,287.39
<i>Tringa ochropus</i>	6.65 – 510.37	NA	NA	91	NA	NA
<i>Tringa stagnatilis</i>	6.65 – 510.37	2 – 5	0.013 – 2.552	152	0.002 – 0.388	0.87 – 167.51
<i>Tringa totanus</i>	6.65 – 510.37	58,890 – 193,000	391,619 – 98,501.410	242	94,772 – 23,837.341	40,927.48 – 10,294,238.68
<i>Vanellus vanellus</i>	6.65 – 510.37	1 – 50	0.007 – 25.519	120	0.001 – 3.062	0.34 – 1,322.43
Total					2,570.844 – 307,185.102	1,110,227.74 – 132,658,954.42

<sup>a</sup> sources: [53] for seabird species; [54,55] for shorebird species.

<sup>b</sup> sources: [39, 50, or 58 when data were not available for a species].

<sup>c</sup> sources: [50,58].

<sup>d</sup> considering the average price per ton of fertilizer in Mauritania in 2017 at €431.86.



**Supplementary Figure S1.** Linear regression between the Gross Domestic Product at Purchasing Power Parity (GDP PPP) per capita and the average price of 1 ton of fertilizer in African countries in 2017. Grey shades indicate the standard error around the regression line. Sources: [59,60].