**Table S1.** Bird species recorded on Argentine Pampas’ roadsides across seasons (spring of 2015 and summer, autumn and winter of 2016). For each species, we show the seasons when it was recorded, its habitat (Narosky & Yzurieta 2003, Azpiroz et al. 2012, de la Peña 2015) and its population trend (IUCN Red List of Threatened Species 2021). Gra: Grassland; Wet: Wetland; Woo: Woodland. ▲: increasing; ▬: stable; ▼: decreasing. w winter migrants that breed in Southern South America, s summer migrants that breed in the center of the country.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Order, family, species | Relative abundance (%) | | | | Habitat | Trend |
|  | Spring | Summer | Autumn | Winter |  |  |
| ***ACCIPITRIFORMES*** |  |  |  |  |  |  |
| ***Accipitridae*** |  |  |  |  |  |  |
| *Circus buffoni* | 0.05 | 0.07 | 0.07 | 0.07 | Gra, Wet | ▼ |
| *Elanus leucurus* | 0.1 | 0.14 | 0.15 | 0.44 | Gra, Woo | ▲ |
| *Rupornis magnirostris* | 0.5 | 0 | 0.37 | 0.18 | Woo | ▲ |
| *Rostrhamus sociabilis* | 0.8 | 0.07 | 0.07 | 0 | Wet | ▲ |
| ***ANSERIFORMES*** |  |  |  |  |  |  |
| ***Anatidae*** |  |  |  |  |  |  |
| *Anas flavirostris* | 0.15 | 0 | 0 | 0.25 | Wet | ▼ |
| *Anas georgica* | 0.1 | 0 | 0 | 0.14 | Wet | ▼ |
| *Spatula versicolor* | 0.5 | 0 | 0 | 0.92 | Wet | ▬ |
| *Callonetta leucophrys* | 0.2 | 0 | 0 | 0 | Wet | ▬ |
| *Netta peposaca* | 0.1 | 0 | 0 | 0 | Wet | ▲ |
| ***Anhimidae*** |  |  |  |  |  |  |
| *Chauna torquata* | 0 | 0 | 0 | 0.03 | Wet | ▬ |
| ***APODIFORMES*** |  |  |  |  |  |  |
| ***Trochilidae*** |  |  |  |  |  |  |
| *Chlorostilbon lucidus* | 0.15 | 0.14 | 0.07 | 0 | Woo | (unknown) |
| ***CHARADRIIFORMES*** |  |  |  |  |  |  |
| ***Charadriidae*** |  |  |  |  |  |  |
| *Vanellus chilensis* | 0 | 0.29 | 0.3 | 0.18 | Gra, Wet | ▲ |
| ***Laridae*** |  |  |  |  |  |  |
| *Larus maculipennis* | 0.4 | 0 | 0 | 0.29 | Wet | ▲ |
| *Gelochelidon nilotica* | 0.05 | 0 | 0 | 0.03 | Wet | ▼ |
| ***Recurvirostridae*** |  |  |  |  |  |  |
| *Himantopus mexicanus* | 0.1 | 0 | 0 | 0 | Wet | ▲ |

**Table S1.** Continued.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Order, family, species | Relative abundance (%) | | | | Habitat | Trend |
|  | Spring | Summer | Fall | Winter |  |  |
| ***CICONIIFORMES*** |  |  |  |  |  |  |
| ***Threskiornithidae*** |  |  |  |  |  |  |
| ***COLUMBIFORMES*** |  |  |  |  |  |  |
| ***Columbidae*** |  |  |  |  |  |  |
| *Columbina picui* | 0.15 | 0 | 0.07 | 0.74 | Woo | ▬ |
| *Patagioenas maculosa* | 0 | 0.14 | 0.45 | 0 | Gra, Woo | ▲ |
| *Patagioenas picazuro* | 0.4 | 0.21 | 0.22 | 0.4 | ALL | ▲ |
| *Zenaida auriculata* | 1.85 | 2.62 | 0.15 | 3.55 | ALL | ▲ |
| ***CUCULIFORMES*** |  |  |  |  |  |  |
| ***Cuculidae*** |  |  |  |  |  |  |
| *Coccyzus melacoryphus* | 0 | 0 | 0 | 0.3 | Woo | ▬ |
| *Guira guira* | 1.05 | 0.29 | 0.45 | 2.03 | ALL | ▲ |
| ***FALCONIFORMES*** |  |  |  |  |  |  |
| ***Falconidae*** |  |  |  |  |  |  |
| *Caracara plancus* | 0.6 | 0.36 | 0.15 | 0.25 | ALL | ▲ |
| *Falco femoralis* | 0 | 0 | 0.7 | 0.7 | ALL | ▼ |
| *Falco sparverius* | 0 | 0 | 0.7 | 0.3 | Gra, Woo | ▬ |
| *Milvago chimango* | 1 | 0.28 | 0.97 | 0.59 | ALL | ▲ |
| ***GRUIFORMES*** |  |  |  |  |  |  |
| ***Rallidae*** |  |  |  |  |  |  |
| *Aramides cajanea* | 0 | 0.7 | 0 | 0 | Wet | ▼ |
| *Fulica armillata* | 0.25 | 0 | 0 | 0.22 | Wet | (unknown) |
| *Fulica leucoptera* | 0.1 | 0.14 | 0.15 | 0.44 | Wet | ▬ |
| *Fulica rufifrons* | 1.15 | 1.45 | 2.7 | 2.26 | Wet | ▬ |
| *Pardirallus sanguinolentus* | 0.45 | 0 | 0.15 | 0.74 | Wet | ▬ |
| *Porphyriops melanops* | 0.05 | 0 | 0 | 0.03 | Wet | ▬ |
| ***PASSERIFORMES*** |  |  |  |  |  |  |
| ***Emberizidae*** |  |  |  |  |  |  |
| *Ammodramus humeralis* | 0 | 0 | 0.3 | 0 | Gra | ▬ |
| *Zonotrichia capensis* | 14.58 | 8.24 | 17.59 | 26.16 | ALL | ▬ |
| ***Fringillidae*** |  |  |  |  |  |  |
| *Spinus magellanicus* | 0.35 | 0.72 | 1.5 | 1.66 | ALL | ▬ |

**Table S1.** Continued.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Order, family, species | Relative abundance (%) | | | | Habitat | Trend |
|  | Spring | Summer | Fall | Winter |  |  |
| ***Furnariidae*** |  |  |  |  |  |  |
| *Anumbius annumbi* | 1.3 | 1.67 | 1.5 | 1.7 | Gra, Woo | ▲ |
| *Certhiaxis cinnamomeus* | 0 | 0.07 | 0 | 0 | Wet | ▼ |
| *Cinclodes fuscusw* | 0 | 0.14 | 0.67 | 0.88 | Wet | ▬ |
| *Limnoctites sulphuriferus* | 0.5 | 0.8 | 1.65 | 0.63 | Wet | ▼ |
| *Furnarius rufus* | 1.15 | 1.45 | 2.7 | 2.26 | ALL | ▲ |
| *Leptasthenura platensis* | 0 | 0 | 0 | 0.11 | Woo | ▬ |
| *Limnornis curvirostris* | 0 | 0 | 0 | 0.03 | Wet | ▬ |
| *Phleocryptes melanops* | 1.55 | 0.72 | 0.6 | 1.85 | Wet | ▼ |
| *Phacellodomus striaticollis* | 0.8 | 0.94 | 0.9 | 1.74 | Gra, Woo | ▼ |
| *Spartonoica maluroides* | 0 | 0.21 | 0.37 | 0 | Gra | ▼ |
| ***Hirundinidae*** |  |  |  |  |  |  |
| *Hirundo rustica* | 1.85 | 0.43 | 0 | 0 | Gra, Wet | ▼ |
| *Progne chalybea* | 0.05 | 0 | 0 | 0 | Gra, Woo | ▼ |
| *Progne tapera* | 0.3 | 0 | 0 | 0 | Gra, Woo | ▬ |
| *Tachycineta leucopygaw* | 0 | 0.07 | 0 | 0.59 | Woo | ▲ |
| *Tachycineta leucorrhoa* | 0.65 | 2.26 | 0.22 | 0 | Gra, Woo | ▲ |
| ***Icteridae*** |  |  |  |  |  |  |
| *Agelaioides badius* | 2.2 | 3.13 | 5.93 | 3.29 | Gra, Woo | ▬ |
| *Agelasticus thilius* | 4.91 | 3.79 | 5.18 | 11.41 | Wet | ▬ |
| *Amblyramphus holosericeus* | 0.3 | 0 | 0.15 | 0.22 | Wet | ▬ |
| *Chrysomus ruficapillus* | 0 | 0 | 0 | 0.07 | Wet | ▬ |
| *Molothrus bonariensis* | 7.56 | 3.06 | 5.41 | 3.96 | ALL | ▲ |
| *Molothrus rufoaxillaris* | 0.75 | 0.36 | 0.67 | 0.11 | Gra, Woo | ▬ |
| *Pseudoleistes virescens* | 7.86 | 14.45 | 14.21 | 6.56 | Gra, Wet | ▬ |
| *Sturnella superciliaris* | 0.05 | 0.72 | 0.45 | 0.33 | Gra | ▬ |
| ***Mimidae*** |  |  |  |  |  |  |
| *Mimus patagonicusw* | 0 | 0 | 0.22 | 0.07 | Woo | ▬ |
| *Mimus saturninus* | 0.55 | 1.24 | 2.18 | 1.66 | Gra, Woo | ▬ |
| *Mimus triurusw* | 0 | 0 | 0 | 0.03 | Gra, Woo | (unknown) |
| ***Motacillidae*** |  |  |  |  |  |  |
| *Anthus correndera* | 0.15 | 0.8 | 0.07 | 0 | Gra | ▬ |
| ***Polioptilidae*** |  |  |  |  |  |  |
| *Polioptila dumicola* | 0.15 | 0 | 0 | 0.22 | Woo | ▼ |

**Table S1.** Continued.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Order, family, species | Relative abundance (%) | | | | Habitat | Trend |
|  | Spring | Summer | Fall | Winter |  |  |
| ***Thraupidae*** |  |  |  |  |  |  |
| *Donacospiza albifrons* | 0.3 | 0.51 | 0.07 | 0.11 | Gra, Wet | ▬ |
| *Embernagra platensis* | 3.85 | 4.96 | 3.68 | 4.81 | Gra, Wet | ▬ |
| *Paroaria coronata* | 0 | 0 | 0.3 | 0 | Gra, Woo | ▬ |
| *Pipraeidea bonariensis* | 0.1 | 0.14 | 0.6 | 0.03 | Woo | ▬ |
| *Poospiza nigrorufa* | 2.15 | 2.4 | 0.75 | 1.22 | Wet, Woo | ▬ |
| *Sicalis flaveola* | 1.2 | 3.35 | 1.42 | 2.48 | Gra, Woo | ▬ |
| *Sicalis luteola* | 16.64 | 15.54 | 10.37 | 4.63 | Gra | ▲ |
| *Sporophila caerulescens* | 0.4 | 4.3 | 0 | 0 | Gra, Woo | ▲ |
| ***Troglodytidae*** |  |  |  |  |  |  |
| *Troglodytes aedon* | 0.8 | 1.09 | 5.18 | 3.55 | ALL | ▲ |
| ***Turdidae*** |  |  |  |  |  |  |
| *Turdus rufiventris* | 0.1 | 0 | 0.45 | 0.07 | Gra, Woo | ▬ |
| ***Tyrannidae*** |  |  |  |  |  |  |
| *Hymenops perspicillatus* | 5.96 | 1.38 | 2.78 | 1.63 | Gra, Wet | ▬ |
| *Lessonia rufaw* | 0 | 0 | 0.22 | 0 | Wet | ▬ |
| *Machetornis rixosa* | 0.05 | 0 | 0.6 | 0.03 | Gra, Woo | ▬ |
| *Myiophobus fasciatus* | 0 | 0 | 0 | 0.03 | Woo | ▲ |
| *Pitangus sulphuratus* | 2.05 | 2.91 | 4.21 | 1.92 | ALL | ▲ |
| *Pseudocolopteryx flaviventris* | 2.4 | 0.94 | 0.22 | 0 | Wet | ▼ |
| *Pyrocephalus rubinuss* | 0.65 | 0.36 | 0 | 0 | Gra, Woo | ▼ |
| *Satrapa icterophrys* | 0.3 | 0.58 | 0.15 | 0.14 | Wet, Woo | ▬ |
| *Serpophaga nigricans* | 0.25 | 0.07 | 0.45 | 0.07 | Wet | ▬ |
| *Serpophaga subcristata* | 0 | 0.65 | 0.22 | 0.07 | Woo | ▬ |
| *Tachuris rubrigastra* | 0.15 | 0 | 0.52 | 0.33 | Wet | ▬ |
| *Tyrannus melancholicuss* | 0.4 | 3.21 | 0.07 | 0 | Gra, Woo | ▲ |
| *Tyrannus savanas* | 2.25 | 1.97 | 0 | 0 | Gra, Woo | ▬ |
| ***PELECANIFORMES*** |  |  |  |  |  |  |
| ***Ardeidae*** |  |  |  |  |  |  |
| *Ardea alba* | 0.05 | 0.43 | 0 | 0 | Wet | (unknown) |
| *Egretta thula* | 0 | 0.51 | 0 | 0 | Wet | ▲ |

**Table S1.** Continued.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Order, family, species | Relative abundance (%) | | | | Habitat | Trend |
|  | Spring | Summer | Fall | Winter |  |  |
| ***Threskiornitidae*** |  |  |  |  |  |  |
| *Plegadis chihi* | 0 | 0.58 | 0.37 | 0.07 | Wet | ▲ |
| ***PICIFORMES*** |  |  |  |  |  |  |
| ***Picidae*** |  |  |  |  |  |  |
| *Colaptes campestris* | 0.1 | 0.36 | 0 | 0.03 | Gra, Woo | ▲ |
| *Colaptes melanochloros* | 0.05 | 0.51 | 0.6 | 0.22 | Woo | ▬ |
| ***PODICIPEDIFORMES*** |  |  |  |  |  |  |
| ***Podicipedidae*** |  |  |  |  |  |  |
| *Rollandia rolland* | 0 | 0 | 0 | 0.22 | Wet | ▼ |
| ***PSITTACIFORMES*** |  |  |  |  |  |  |
| ***Psittacidae*** |  |  |  |  |  |  |
| *Myiopsitta monachus* | 0.9 | 1.6 | 0.22 | 1.63 | Gra Woo | ▲ |
| ***STRINGIFORMES*** |  |  |  |  |  |  |
| ***TINAMIFORMES*** |  |  |  |  |  |  |
| ***Tinamidae*** |  |  |  |  |  |  |
| *Nothura maculosa* | 0.3 | 0.36 | 0.07 | 0.33 | Gra | ▼ |
| *Rhynchotus rufescens* | 1.3 | 1.09 | 0 | 0.18 | Gra | ▼ |