

Project Update: May 2020

Avitourism has a great potential as complementary activity to the livelihoods that the inhabitants of Totontepec currently have. It allows them to move toward a sustainable pathway that integrates the management and conservation of their biocultural heritage. The implementation of a participatory approach strategy strengthens community appropriation of the project and thereby the creation of a sustainable community business with better and more durable results. In this context, the aim is to positively impact the socioeconomic development and good living Totontepec's locals and contribute to conservation efforts in the Mixe region, particularly bird communities that has been poorly studied.

ACTIVITY 1. PRESENTING THE PROJECT TO THE MAIN STAKEHOLDERS

In May 2019, a meeting was held with the agrarian authority of Totontepec to inform them about the approved project. We presented and discussed the objectives, implications and project's scope, as well as the commitments and responsibilities of each stakeholder. The agrarian authority summoned interested inhabitants to become part of the birdwatching and avitourism brigade. The following criteria were taken into account:

- A. Availability: 4 days per month over at least 1 year.
- B. Enthusiasm and willingness to continue with monitoring for the long term.
- C. Passion and interest in learning about nature and birds.
- D. Responsibility and commitment.
- E. Interest and ability to share the acquire knowledge.

ACTIVITY 2. FIRST FIELDTRIP TO TOTONTEPEC VILLA DE MORELOS, OAXACA AND CAPACITY-BUILDING WORKSHOP

The first capacity building workshop was held from June 16th to 18th 2019. We presented the project's goals and introduced the participants to the study of life, participatory monitoring, the basic characteristics of birds and their monitoring, and ecology. We also talked about biodiversity conservation and sustainable development, ecosystem services, ecotourism and birdwatching. The project started with equipment for five brigade members: binoculars, field guides, backpacks, field notebooks, pencils, rubbers and sharpeners.

The following agreements were generated along with the members of the brigade:

- 1) To enhance the communication between the members and the inhabitants of Totontepec, two team members were selected as coordinators;
- 2) The 4 days of monitoring will be compensated with a monthly wage;
- 3) The group will receive constant training and workshops on topics of interest;
- 4) In case a member can't continue with the monitoring activities, he/she shall return all the equipment and material, allowing a new member to join the team and make use of such material.

The second phase consisted of a fieldtrip to strengthen the previously acquired knowledge about bird identification and participatory monitoring. Together with the brigade members, we defined the monitoring sites and a pilot monitoring practice was conducted, aiming to enhance data gathering and species identification to prevent that the species accumulation curve reflected the knowledge gained by the team members and not the increase of registered species in the region.

ACTIVITY 3. IMPLEMENTATION OF BIRD MONITORING AND FIELD PRACTICES SUPERVISION BY THE PROJECT COORDINATOR DURING 12 MONTHS OF ACTIVITY

Since July 2019, every month we have been monitoring birds. The team coordinators have accompanied the community monitors to strengthen their bird identification capabilities, soon, they will be able to apply monitoring techniques that require more experience, for example counting points. Until now, 11 transects and two monitoring stations have been established within the cloud forest, high evergreen forest, oak forest, agroecosystems, and cultivated forests, among others. After 10 months of participatory monitoring, we have documented the presence of 221 bird species from nine orders, 32 families and 114 genera (figure 1, table 1). According to Mexican regulations (NOM-059-SEMARNAT-2010), 26 of these species are found in different protection categories: 12 under special protection (Pr), 13 threatened (A) and one at risk of extinction. The ornate hawk-eagle (*Spizaetus ornatus*) is the only species listed as Near Threatened (NT) in the IUCN Red List of Threatened Species. Also, 11 species are endemic to Mexico and one of them endemic to Oaxaca (*Melospiza albicollis*).

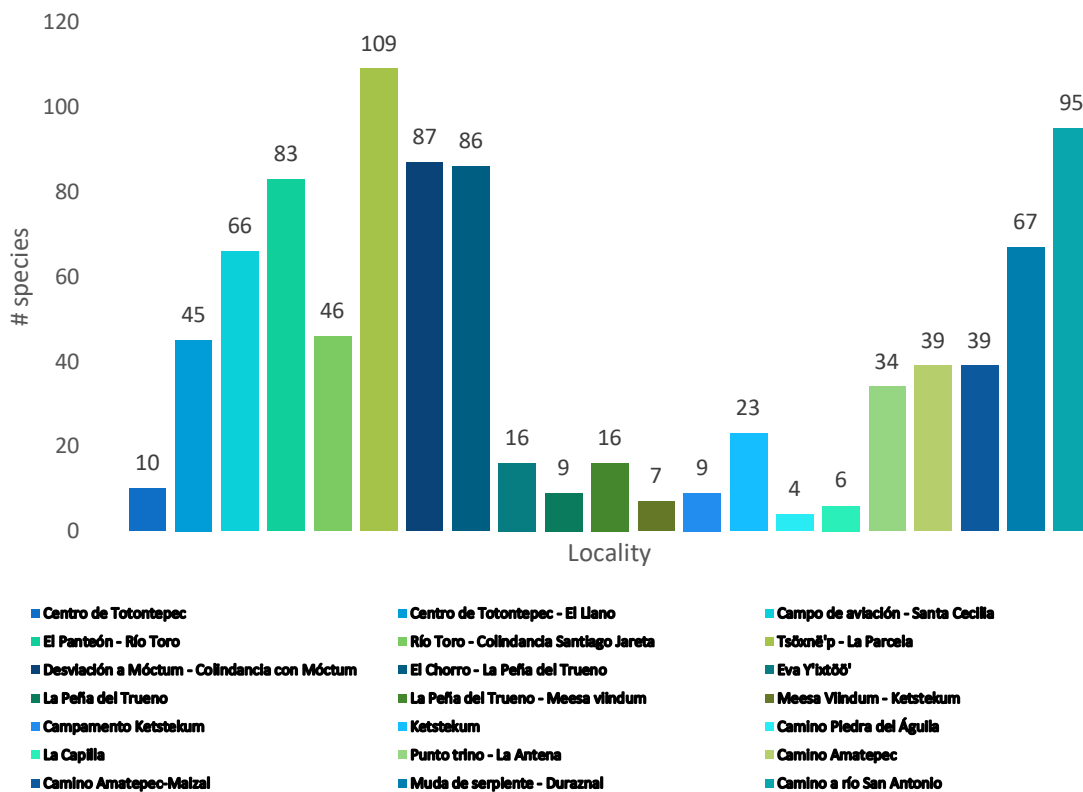


Figure 1. Species richness by locality in Totontepec Villa de Morelos, Oaxaca

In November 2019, five team members attended a training workshop on bird monitoring techniques based on the North American Bird Conservation Initiative (NABCI) protocols. The workshop was coordinated by the NABI-CONABIO representatives in Mexico. During the training they had an experience exchange with other community monitors from the Chinantla region of Oaxaca and reinforced their knowledge of monitoring strategies such as counting points.

ACTIVITY 4. APPLYING GEOGRAPHICAL AND ECOLOGICAL STUDIES TO THE RESULTING DATA; IDENTIFY KEY AREAS TO ESTABLISH TRAILS AND STATIONS

Simultaneously, we carried out theoretical and practical workshops, including topics such as bird ecology, bird identification skill enhancement (songs, distribution, behaviour), conservation and management of natural resources, transition towards sustainability, community based ecotourism and success stories in Mexico. We also developed the graphic identity of the brigade as part of a communication strategy.

The team “Guardianes de las Aves de Totontepec” carry out their monitoring with enthusiasm and vast knowledge about birds. They have learned to use basic tools such as binoculars, digital applications, bird guides and even recognise species by their scientific name. They have the initiative to build a bird classification according to the climate and vegetation, also give a name in the Mixe language to each bird species.



Figure 4. Members of “Guardianes de las Aves de Totontepec” during participatory monitoring

Table 1. List of species

| Order | Family | Genus | Cientific name | NOM-059 | IUCN List Red | CITES | Endemism |
|-----------------|--------------|----------------------|-----------------------------------|---------|---------------|------------|----------|
| Accipitriformes | Accipitridae | <i>Accipiter</i> | <i>Accipiter bicolor</i> | A | | Apendix II | |
| Accipitriformes | Accipitridae | <i>Accipiter</i> | <i>Accipiter cooperii</i> | Pr | | Apendix II | |
| Accipitriformes | Accipitridae | <i>Accipiter</i> | <i>Accipiter striatus</i> | Pr | | Apendix II | |
| Accipitriformes | Accipitridae | <i>Buteo</i> | <i>Buteo albonotatus</i> | Pr | | | |
| Accipitriformes | Accipitridae | <i>Buteo</i> | <i>Buteo brachyurus</i> | | | | |
| Accipitriformes | Accipitridae | <i>Buteo</i> | <i>Buteo jamaicensis</i> | | | | |
| Accipitriformes | Accipitridae | <i>Buteo</i> | <i>Buteo platypterus</i> | Pr | | | |
| Accipitriformes | Accipitridae | <i>Buteogallus</i> | <i>Buteogallus anthracinus</i> | Pr | | | |
| Accipitriformes | Accipitridae | <i>Buteogallus</i> | <i>Buteogallus urubitinga</i> | Pr | | | |
| Accipitriformes | Accipitridae | <i>Geranoaetus</i> | <i>Geranoaetus albicaudatus</i> | Pr | | | |
| Accipitriformes | Accipitridae | <i>Parabuteo</i> | <i>Parabuteo unicinctus</i> | | | | |
| Accipitriformes | Accipitridae | <i>Spizaetus</i> | <i>Spizaetus ornatus</i> | P | NT | | |
| Accipitriformes | Cathartidae | <i>Cathartes</i> | <i>Cathartes aura</i> | | | | |
| Accipitriformes | Cathartidae | <i>Coragyps</i> | <i>Coragyps atratus</i> | | | | |
| Apodiformes | Apodidae | <i>Panyptila</i> | <i>Panyptila sanctihieronymi</i> | Pr | | | |
| Apodiformes | Apodidae | <i>Streptoprocne</i> | <i>Streptoprocne rutila</i> | | | | |
| Apodiformes | Apodidae | <i>Streptoprocne</i> | <i>Streptoprocne zonaris</i> | | | | |
| Apodiformes | Trochilidae | <i>Amazilia</i> | <i>Amazilia beryllina</i> | | | | |
| Apodiformes | Trochilidae | <i>Amazilia</i> | <i>Amazilia cyanocephala</i> | | | | |
| Apodiformes | Trochilidae | <i>Archilocus</i> | <i>Archilochus colubris</i> | | | | |
| Apodiformes | Trochilidae | <i>Atthis</i> | <i>Atthis heloisa</i> | | | | Endémica |
| Apodiformes | Trochilidae | <i>Campylopterus</i> | <i>Campylopterus hemileucurus</i> | | | | |
| Apodiformes | Trochilidae | <i>Colibri</i> | <i>Colibri thalassinus</i> | | | | |
| Apodiformes | Trochilidae | <i>Eugenes</i> | <i>Eugenes fulgens</i> | | | | |

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|------------------|----------------|-----------------------|-----------------------------------|----|--|--|----------|
| Apodiformes | Trochilidae | <i>Eupherusa</i> | <i>Eupherusa eximia</i> | | | | |
| Apodiformes | Trochilidae | <i>Hylocharis</i> | <i>Hylocharis leucotis</i> | | | | |
| Apodiformes | Trochilidae | <i>Lampornis</i> | <i>Lampornis amethystinus</i> | | | | |
| Apodiformes | Trochilidae | <i>Lampornis</i> | <i>Lampornis clemenciae</i> | | | | |
| Apodiformes | Trochilidae | <i>Lamprolaima</i> | <i>Lamprolaima rhami</i> | A | | | |
| Apodiformes | Trochilidae | <i>Phaethornis</i> | <i>Phaethornis striigularis</i> | | | | |
| Apodiformes | Trochilidae | <i>Selasphorus</i> | <i>Selasphorus platycercus</i> | | | | |
| Apodiformes | Trochilidae | <i>Selasphorus</i> | <i>Selasphorus rufus</i> | | | | |
| Caprimulgiformes | Caprimulgidae | <i>Antrostomus</i> | <i>Antrostomus arizonae</i> | | | | |
| Caprimulgiformes | Caprimulgidae | <i>Nyctidromus</i> | <i>Nyctidromus albicollis</i> | | | | |
| Columbiformes | Columbidae | <i>Geotrygon</i> | <i>Geotrygon montana</i> | | | | |
| Columbiformes | Columbidae | <i>Leptotila</i> | <i>Leptotila verreauxi</i> | | | | |
| Columbiformes | Columbidae | <i>Patagioenas</i> | <i>Patagioenas fasciata</i> | | | | |
| Columbiformes | Columbidae | <i>Patagioenas</i> | <i>Patagioenas flavirostris</i> | | | | |
| Columbiformes | Columbidae | <i>Streptopelia</i> | <i>Streptopelia decaocto</i> | | | | |
| Columbiformes | Columbidae | <i>Zenaida</i> | <i>Zenaida asiatica</i> | | | | |
| Columbiformes | Columbidae | <i>Zentrygon</i> | <i>Zentrygon albifacies</i> | A | | | |
| Coraciiformes | Momotidae | <i>Momotus</i> | <i>Momotus lessonii</i> | | | | |
| Cuculiformes | Cuculidae | <i>Dromococcyx</i> | <i>Dromococcyx phasianellus</i> | | | | |
| Cuculiformes | Cuculidae | <i>Piaya</i> | <i>Piaya cayana thermophila</i> | | | | |
| Falconiformes | Falconidae | <i>Falco</i> | <i>Falco ruficularis</i> | | | | |
| Falconiformes | Falconidae | <i>Falco</i> | <i>Falco sparverius</i> | | | | |
| Falconiformes | Falconidae | <i>Micrastur</i> | <i>Micrastur semitorquatus</i> | Pr | | | |
| Galliformes | Cracidae | <i>Crax</i> | <i>Crax rubra</i> | A | | | |
| Galliformes | Cracidae | <i>Ortalis</i> | <i>Ortalis vetula</i> | | | | |
| Galliformes | Cracidae | <i>Penelope</i> | <i>Penelope purpurascens</i> | A | | | |
| Galliformes | Odontophoridae | <i>Dendrortyx</i> | <i>Dendrortyx macroura</i> | A | | | Endémica |
| Galliformes | Odontophoridae | <i>Odontophorus</i> | <i>Odontophorus guttatus</i> | Pr | | | |
| Passeriformes | Cardinalidae | <i>Caryothraustes</i> | <i>Caryothraustes poliogaster</i> | | | | |
| Passeriformes | Cardinalidae | <i>Cyanoloxia</i> | <i>Cyanoloxia cyanoides</i> | | | | |
| Passeriformes | Cardinalidae | <i>Passerina</i> | <i>Passerina amoena</i> | | | | |

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|---------------|--------------|-----------------------|--|----|--|--|----------|
| Passeriformes | Cardinalidae | <i>Passerina</i> | <i>Passerina caerulea</i> | | | | |
| Passeriformes | Cardinalidae | <i>Passerina</i> | <i>Passerina cyanea</i> | | | | |
| Passeriformes | Cardinalidae | <i>Pheucticus</i> | <i>Pheucticus ludovicianus</i> | | | | |
| Passeriformes | Cardinalidae | <i>Pheucticus</i> | <i>Pheucticus melanocephalus</i> | | | | |
| Passeriformes | Cardinalidae | <i>Piranga</i> | <i>Piranga bidentata</i> | | | | |
| Passeriformes | Cardinalidae | <i>Piranga</i> | <i>Piranga erythrocephala</i> | | | | Endémica |
| Passeriformes | Cardinalidae | <i>Piranga</i> | <i>Piranga flava</i> | | | | |
| Passeriformes | Cardinalidae | <i>Piranga</i> | <i>Piranga ludoviciana</i> | | | | |
| Passeriformes | Cardinalidae | <i>Piranga</i> | <i>Piranga rubra</i> | | | | |
| Passeriformes | Corvidae | <i>Aphelocoma</i> | <i>Aphelocoma unicolor</i> | A | | | |
| Passeriformes | Corvidae | <i>Corvus</i> | <i>Corvus corax</i> | | | | |
| Passeriformes | Corvidae | <i>Cyanocorax</i> | <i>Cyanocorax yncas</i> | | | | |
| Passeriformes | Corvidae | <i>Cyanolyca</i> | <i>Cyanolyca cucullata</i> | A | | | |
| Passeriformes | Cotingidae | <i>Cotinga</i> | <i>Cotinga amabilis</i> | A | | | |
| Passeriformes | Cotingidae | <i>Lipaugus</i> | <i>Lipaugus unirufus</i> | | | | |
| Passeriformes | Cotingidae | <i>Tityra</i> | <i>Tityra semifasciata</i> | | | | |
| Passeriformes | Fringillidae | <i>Coccothraustes</i> | <i>Coccothraustes abeillei</i> | | | | |
| Passeriformes | Fringillidae | <i>Euphonia</i> | <i>Euphonia elegantissima</i> | | | | |
| Passeriformes | Fringillidae | <i>Haemorhous</i> | <i>Haemorhous mexicanus</i> [<i>mexicanus</i> Group] | | | | |
| Passeriformes | Fringillidae | <i>Chlorophonia</i> | <i>Chlorophonia occipitalis</i> | | | | |
| Passeriformes | Fringillidae | <i>Spinus</i> | <i>Spinus notatus</i> | | | | |
| Passeriformes | Fringillidae | <i>Spinus</i> | <i>Spinus psaltria</i> | | | | |
| Passeriformes | Furnariidae | <i>Anabacerthia</i> | <i>Anabacerthia variegaticeps</i> | | | | |
| Passeriformes | Furnariidae | <i>Clibanornis</i> | <i>Clibanornis rubiginosus</i> | A | | | |
| Passeriformes | Furnariidae | <i>Lepidocolaptes</i> | <i>Lepidocolaptes affinis</i> | | | | |
| Passeriformes | Furnariidae | <i>Sclerurus</i> | <i>Sclerurus mexicanus</i> | A | | | |
| Passeriformes | Furnariidae | <i>Sittasomus</i> | <i>Sittasomus griseicapillus</i> | | | | |
| Passeriformes | Furnariidae | <i>Xenops</i> | <i>Xenops minutus</i> | Pr | | | |

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| Passeriformes | Furnariidae | <i>Xiphorhynchus</i> | <i>Xiphorhynchus erythropygius</i> | A | | | |
| Passeriformes | Hirundinidae | <i>Progne</i> | <i>Progne chalybea</i> | | | | |
| Passeriformes | Hirundinidae | <i>Stelgidopteryx</i> | <i>Stelgidopteryx serripennis</i> [<i>serripennis</i> Group] | | | | |
| Passeriformes | Hirundinidae | <i>Tachycineta</i> | <i>Tachycineta albilinea</i> | | | | |
| Passeriformes | Icteridae | <i>Amblycercus</i> | <i>Amblycercus holosericeus</i> | | | | |
| Passeriformes | Icteridae | <i>Dives</i> | <i>Dives dives</i> | | | | |
| Passeriformes | Icteridae | <i>Icterus</i> | <i>Icterus bullockii</i> | | | | |
| Passeriformes | Icteridae | <i>Icterus</i> | <i>Icterus galbula</i> | | | | |
| Passeriformes | Icteridae | <i>Icterus</i> | <i>Icterus graduacauda</i> | | | | |
| Passeriformes | Icteridae | <i>Icterus</i> | <i>Icterus gularis</i> | | | | |
| Passeriformes | Icteridae | <i>Icterus</i> | <i>Icterus prothemelas</i> | | | | |
| Passeriformes | Icteridae | <i>Icterus</i> | <i>Icterus spurius</i> | | | | |
| Passeriformes | Icteridae | <i>Molothrus</i> | <i>Molothrus aeneus</i> | | | | |
| Passeriformes | Icteridae | <i>Quiscalus</i> | <i>Quiscalus mexicanus</i> [<i>mexicanus</i> Group] | | | | |
| Passeriformes | Mimidae | <i>Dumetella</i> | <i>Dumetella carolinensis</i> | | | | |
| Passeriformes | Mimidae | <i>Melanotis</i> | <i>Melanotis caerulescens</i> | | | | Endémica |
| Passeriformes | Parulidae | <i>Basileuterus</i> | <i>Basileuterus belli</i> | | | | |
| Passeriformes | Parulidae | <i>Basileuterus</i> | <i>Basileuterus culicivorus</i> | | | | |
| Passeriformes | Parulidae | <i>Basileuterus</i> | <i>Basileuterus rufifrons</i> [<i>rufifrons</i> Group] | | | | |
| Passeriformes | Parulidae | <i>Cardellina</i> | <i>Cardellina pusilla</i> | | | | |
| Passeriformes | Parulidae | <i>Cardellina</i> | <i>Cardellina rubra</i> | | | | Endémica |
| Passeriformes | Parulidae | <i>Geothlypis</i> | <i>Geothlypis nelsoni</i> | | | | Endémica |
| Passeriformes | Parulidae | <i>Geothlypis</i> | <i>Geothlypis tolmiei</i> | A | | | |
| Passeriformes | Parulidae | <i>Geothlypis</i> | <i>Geothlypis trichas</i> | | | | |
| Passeriformes | Parulidae | <i>Leiothlypis</i> | <i>Leiothlypis ruficapilla</i> | | | | |
| Passeriformes | Parulidae | <i>Mniotilta</i> | <i>Mniotilta varia</i> | | | | |
| Passeriformes | Parulidae | <i>Myioborus</i> | <i>Myioborus miniatus</i> | | | | |
| Passeriformes | Parulidae | <i>Myioborus</i> | <i>Myioborus pictus</i> | | | | |

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| Passeriformes | Parulidae | <i>Oreothlypis</i> | <i>Oreothlypis superciliosa</i> | | | | |
| Passeriformes | Parulidae | <i>Parkesia</i> | <i>Parkesia motacilla</i> | | | | |
| Passeriformes | Parulidae | <i>Seiurus</i> | <i>Seiurus aurocapilla</i> | | | | |
| Passeriformes | Parulidae | <i>Setophaga</i> | <i>Setophaga coronata</i> | | | | |
| Passeriformes | Parulidae | <i>Setophaga</i> | <i>Setophaga graciae</i> | | | | |
| Passeriformes | Parulidae | <i>Setophaga</i> | <i>Setophaga nigrescens</i> | | | | |
| Passeriformes | Parulidae | <i>Setophaga</i> | <i>Setophaga occidentalis</i> | | | | |
| Passeriformes | Parulidae | <i>Setophaga</i> | <i>Setophaga townsendi</i> | | | | |
| Passeriformes | Parulidae | <i>Setophaga</i> | <i>Setophaga virens</i> | | | | |
| Passeriformes | Passerellidae | <i>Aimophila</i> | <i>Aimophila rufescens</i> | | | | |
| Passeriformes | Passerellidae | <i>Arremon</i> | <i>Arremon brunneinucha</i> | | | | |
| Passeriformes | Passerellidae | <i>Atlapetes</i> | <i>Atlapetes albinucha</i> | | | | |
| Passeriformes | Passerellidae | <i>Atlapetes</i> | <i>Atlapetes pileatus</i> | | | | Endémica |
| Passeriformes | Passerellidae | <i>Chlorospingus</i> | <i>Chlorospingus flavopectus ophthalmicus</i> | | | | |
| Passeriformes | Passerellidae | <i>Junco</i> | <i>Junco phaeonotus</i> | | | | |
| Passeriformes | Passerellidae | <i>Melospiza</i> | <i>Melospiza lincolnii</i> | | | | |
| Passeriformes | Passerellidae | <i>Melospiza</i> | <i>Melospiza albicollis</i> | | | | Endémica |
| Passeriformes | Passeridae | <i>Passer</i> | <i>Passer domesticus</i> | | | | |
| Passeriformes | Peucedramidae | <i>Peucedramus</i> | <i>Peucedramus taeniatus</i> | | | | |
| Passeriformes | Poliptilidae | <i>Poliptila</i> | <i>Poliptila caerulea</i> | | | | |
| Passeriformes | Ptiliogonatidae | <i>Ptiliogonys</i> | <i>Ptiliogonys cinereus</i> | | | | |
| Passeriformes | Regulidae | <i>Regulus</i> | <i>Regulus calendula</i> | | | | |
| Passeriformes | Thamnophilidae | <i>Microrhophias</i> | <i>Microrhophias quixensis</i> | | | | |
| Passeriformes | Thamnophilidae | <i>Thamnophilus</i> | <i>Thamnophilus doliatus</i> | | | | |
| Passeriformes | Thraupidae | <i>Coereba</i> | <i>Coereba flaveola</i> | | | | |
| Passeriformes | Thraupidae | <i>Cyanerpes</i> | <i>Cyanerpes cyaneus</i> | | | | |
| Passeriformes | Thraupidae | <i>Diglossa</i> | <i>Diglossa baritula</i> | | | | |
| Passeriformes | Thraupidae | <i>Ramphocelus</i> | <i>Ramphocelus sanguinolentus</i> | | | | |
| Passeriformes | Thraupidae | <i>Saltator</i> | <i>Saltator atriceps</i> | | | | |

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|---------------|---------------|------------------------|--|----|--|--|----------|
| Passeriformes | Thraupidae | <i>Saltator</i> | <i>Saltator coerulescens</i> | | | | |
| Passeriformes | Thraupidae | <i>Saltator</i> | <i>Saltator maximus</i> | | | | |
| Passeriformes | Thraupidae | <i>Sporophila</i> | <i>Sporophila moreletii</i> | | | | |
| Passeriformes | Thraupidae | <i>Thraupis</i> | <i>Thraupis abbas</i> | | | | |
| Passeriformes | Thraupidae | <i>Thraupis</i> | <i>Thraupis episcopus</i> | | | | |
| Passeriformes | Thraupidae | <i>Tiaris</i> | <i>Tiaris olivaceus</i> | | | | |
| Passeriformes | Troglodytidae | <i>Campylorhynchus</i> | <i>Campylorhynchus zonatus</i> | | | | |
| Passeriformes | Troglodytidae | <i>Henicorhina</i> | <i>Henicorhina leucophrys</i> [mexicana Group] | | | | |
| Passeriformes | Troglodytidae | <i>Henicorhina</i> | <i>Henicorhina leucosticta</i> | | | | |
| Passeriformes | Troglodytidae | <i>Pheugopedius</i> | <i>Pheugopedius maculipectus</i> | | | | |
| Passeriformes | Troglodytidae | <i>Troglodytes</i> | <i>Troglodytes aedon</i> [musculus Group] | | | | |
| Passeriformes | Turdidae | <i>Catharus</i> | <i>Catharus aurantiirostris</i> [melpomene Group] | | | | |
| Passeriformes | Turdidae | <i>Catharus</i> | <i>Catharus frantzii</i> | A | | | |
| Passeriformes | Turdidae | <i>Catharus</i> | <i>Catharus mexicanus</i> | Pr | | | |
| Passeriformes | Turdidae | <i>Catharus</i> | <i>Catharus occidentalis</i> | | | | Endémica |
| Passeriformes | Turdidae | <i>Myadestes</i> | <i>Myadestes occidentalis</i> | Pr | | | |
| Passeriformes | Turdidae | <i>Myadestes</i> | <i>Myadestes unicolor</i> | A | | | |
| Passeriformes | Turdidae | <i>Sialia</i> | <i>Sialia sialis</i> | | | | |
| Passeriformes | Turdidae | <i>Turdus</i> | <i>Turdus assimilis</i> [assimilis Group] | | | | |
| Passeriformes | Turdidae | <i>Turdus</i> | <i>Turdus grayi</i> | | | | |
| Passeriformes | Turdidae | <i>Turdus</i> | <i>Turdus infuscatus</i> | A | | | |
| Passeriformes | Tyrannidae | <i>Contopus</i> | <i>Contopus cinereus</i> | | | | |
| Passeriformes | Tyrannidae | <i>Contopus</i> | <i>Contopus cooperi</i> | | | | |
| Passeriformes | Tyrannidae | <i>Contopus</i> | <i>Contopus pertinax</i> | | | | |
| Passeriformes | Tyrannidae | <i>Contopus</i> | <i>Contopus sordidulus</i> | | | | |
| Passeriformes | Tyrannidae | <i>Elaenia</i> | <i>Elaenia flavogaster</i> | | | | |
| Passeriformes | Tyrannidae | <i>Empidonax</i> | <i>Empidonax albigularis</i> | | | | |

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|---------------|------------|----------------------|-----------------------------------|----|--|--|----------|
| Passeriformes | Tyrannidae | <i>Empidonax</i> | <i>Empidonax flaviventris</i> | | | | |
| Passeriformes | Tyrannidae | <i>Empidonax</i> | <i>Empidonax fulvifrons</i> | | | | |
| Passeriformes | Tyrannidae | <i>Empidonax</i> | <i>Empidonax hammondi</i> | | | | |
| Passeriformes | Tyrannidae | <i>Empidonax</i> | <i>Empidonax minimus</i> | | | | |
| Passeriformes | Tyrannidae | <i>Empidonax</i> | <i>Empidonax occidentalis</i> | | | | |
| Passeriformes | Tyrannidae | <i>Legatus</i> | <i>Legatus leucophaius</i> | | | | |
| Passeriformes | Tyrannidae | <i>Megarynchus</i> | <i>Megarynchus pitangua</i> | | | | |
| Passeriformes | Tyrannidae | <i>Mionectes</i> | <i>Mionectes oleagineus</i> | | | | |
| Passeriformes | Tyrannidae | <i>Mitrephanes</i> | <i>Mitrephanes phaeocercus</i> | | | | |
| Passeriformes | Tyrannidae | <i>Myiarchus</i> | <i>Myiarchus tuberculifer</i> | | | | |
| Passeriformes | Tyrannidae | <i>Myiodynastes</i> | <i>Myiodynastes luteiventris</i> | | | | |
| Passeriformes | Tyrannidae | <i>Myiopagis</i> | <i>Myiopagis viridicata</i> | | | | |
| Passeriformes | Tyrannidae | <i>Myiozetetes</i> | <i>Myiozetetes similis</i> | | | | |
| Passeriformes | Tyrannidae | <i>Oncostoma</i> | <i>Oncostoma cinereigulare</i> | | | | |
| Passeriformes | Tyrannidae | <i>Pachyramphus</i> | <i>Pachyramphus aglaiae</i> | | | | |
| Passeriformes | Tyrannidae | <i>Pitangus</i> | <i>Pitangus sulphuratus</i> | | | | |
| Passeriformes | Tyrannidae | <i>Pyrocephalus</i> | <i>Pyrocephalus rubinus</i> | | | | |
| Passeriformes | Tyrannidae | <i>Rhynchocyclus</i> | <i>Rhynchocyclus brevirostris</i> | | | | |
| Passeriformes | Tyrannidae | <i>Sayornis</i> | <i>Sayornis phoebe</i> | | | | |
| Passeriformes | Tyrannidae | <i>Tyrannus</i> | <i>Tyrannus couchii</i> | | | | |
| Passeriformes | Tyrannidae | <i>Tyrannus</i> | <i>Tyrannus melancholicus</i> | | | | |
| Passeriformes | Vireonidae | <i>Cyclarhis</i> | <i>Cyclarhis gujanensis</i> | Pr | | | |
| Passeriformes | Vireonidae | <i>Vireo</i> | <i>Vireo brevipennis</i> | A | | | Endémica |
| Passeriformes | Vireonidae | <i>Vireo</i> | <i>Vireo cassinii</i> | | | | |
| Passeriformes | Vireonidae | <i>Vireo</i> | <i>Vireo flavifrons</i> | | | | |
| Passeriformes | Vireonidae | <i>Vireo</i> | <i>Vireo gilvus</i> | | | | |
| Passeriformes | Vireonidae | <i>Vireo</i> | <i>Vireo griseus</i> | | | | |
| Passeriformes | Vireonidae | <i>Vireo</i> | <i>Vireo huttoni</i> | | | | |
| Passeriformes | Vireonidae | <i>Vireo</i> | <i>Vireo hypochryseus</i> | | | | Endémica |
| Passeriformes | Vireonidae | <i>Vireo</i> | <i>Vireo leucophrys</i> | | | | |
| Passeriformes | Vireonidae | <i>Vireo</i> | <i>Vireo solitarius</i> | | | | |

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|---------------|--------------|-----------------------|--|----|--|--|--|
| Passeriformes | Vireonidae | <i>Vireolanius</i> | <i>Vireolanius melitophrys</i> | | | | |
| Piciformes | Picidae | <i>Campephilus</i> | <i>Campephilus guatemalensis</i> | | | | |
| Piciformes | Picidae | <i>Colaptes</i> | <i>Colaptes auratus</i> | | | | |
| Piciformes | Picidae | <i>Colaptes</i> | <i>Colaptes rubiginosus</i> [<i>rubiginosus</i> Group] | | | | |
| Piciformes | Picidae | <i>Dryobates</i> | <i>Dryobates fumigatus</i> | | | | |
| Piciformes | Picidae | <i>Dryobates</i> | <i>Dryobates scalaris</i> | | | | |
| Piciformes | Picidae | <i>Dryobates</i> | <i>Dryobates villosus</i> | | | | |
| Piciformes | Picidae | <i>Dryocopus</i> | <i>Dryocopus lineatus</i> | | | | |
| Piciformes | Picidae | <i>Melanerpes</i> | <i>Melanerpes aurifrons</i> [<i>santacruzii</i> Group] | | | | |
| Piciformes | Picidae | <i>Melanerpes</i> | <i>Melanerpes formicivorus</i> | | | | |
| Piciformes | Picidae | <i>Sphyrapicus</i> | <i>Sphyrapicus varius</i> | | | | |
| Piciformes | Ramphastidae | <i>Aulacorhynchus</i> | <i>Aulacorhynchus prasinus</i> | Pr | | | |
| Psitaciformes | Psitacidae | <i>Pionus</i> | <i>Pionus senilis</i> | A | | | |
| Strigiformes | Strigidae | <i>Ciccaba</i> | <i>Ciccaba virgata</i> | | | | |
| Strigiformes | Strigidae | <i>Glaucidium</i> | <i>Glaucidium gnoma</i> | | | | |
| Trogoniformes | Trogonidae | <i>Trogon</i> | <i>Trogon caligatus</i> | | | | |
| Trogoniformes | Trogonidae | <i>Trogon</i> | <i>Trogon collaris</i> | Pr | | | |
| Trogoniformes | Trogonidae | <i>Trogon</i> | <i>Trogon elegans</i> | | | | |
| Trogoniformes | Trogonidae | <i>Trogon</i> | <i>Trogon massena</i> | A | | | |
| Trogoniformes | Trogonidae | <i>Trogon</i> | <i>Trogon melanocephalus</i> | | | | |
| Trogoniformes | Trogonidae | <i>Trogon</i> | <i>Trogon mexicanus</i> | | | | |



