# SUPPLEMENTARY INFORMATION

**Table S1. Presence absence of species by transect**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Pasture | Pasture | T-15 | T-15 | T-10 | T-7 | T-7 | Old | Old |
| Bay Wren (*Cantorchilus nigricapillus*) | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Northern Barred Woodcreeper (*Dendrocolaptes sanctithomae*) | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 |
| Blue-gray Tanager (*Thraupis episcopus*) | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Black Vulture (*Coragyps atratus* ) | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Boat-billed Flycatcher  (*Megarynchus pitangua*) | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| Brown Jay  (*Psilorhinus morio*) | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 |
| Buff-throated Saltatar (*Saltator maximus*) | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| Steely-vented Hummingbird (*Amazilia saucerrotei*) | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Cabanis's Wren (*Cantorchilus modestus*) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Canada Warbler  (*Cardellina* *canadensis*) | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Clay-colored Thrush  (*Turdis grayi*) | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| Common Pauraque  (*Nyctidromus albicollis*) | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| Common Tody-Flycatcher (*Todirostrum cinereum*) | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Crested Guan  (*Penelope purpurascens*) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Dusky-capped Flycatcher  (*Myiarchus tuberculifer*) | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 |
| Eastern Meadowlark  (*Sturnella magna*) | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Gray-crowned Yellowthroat  (*Geothlypis poliocephala*) | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 |
| Gray-headed Chachalaca  (*Ortalis cinereiceps*) | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Great Kiskadee (*Pitangus sulphuratus*) | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Great-tailed Grackle  (*Quiscalus mexicanus*) | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hepatic Tanager  (*Piranga flava*) | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hoffmann’s Woodpecker  (*Melanerpes hoffmannii*) | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 |
| House Wren  (*Troglodytes aedon*) | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 |
| Keel-billed Toucan  (*Ramphastos sulfuratus*) | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Laughing Falcon (*Herpetotheres cachinnans*) | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Lesson’s Motmot  (*Momotus lessonii*) | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 |
| Lesser Greenlet  (*Pachysylvia decurtatus*) | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| Lesser Violetear  (*Colibri cyanotus*) | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lineated Woodpecker  (*Dryocopus lineatus*) | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Long-tailed Manakin  (*Chiroxiphia linearis*) | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 |
| Masked Tityra  (*Tityra semifasciata*) | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mountain Elaenia (*Elaenia frantzii*) | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Northern Emerald-Toucanet (*Aulacorhynchus prasinus*) | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 |
| Orange-billed Nightingale-Thrush (*Catharus aurantiirostris*) | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Orange-bellied Trogan (*Trogon collaris aurantiiventris*) | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| Olivaceous Woodcreeper (*Sittasomus griseicapillus*) | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 |
| Ovenbird (*Seiurus aurocapilla*) | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |
| Philadelphia Vireo  (*Vireo philadelphicus*) | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| Rufous-and-white Wren (*Thryophilus rufalbus*) | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 |
| Rose-breasted Grosbeak (*Pheucticus ludovicianus*) | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rufous-browed Peppershrike (*Cyclarhis gujanensis*) | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 |
| Red-billed Pigeon (*Patagioenas flavirostris*) | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 |
| Rufous-capped Warbler (Basileuterus rufifrons) | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Rufous-tailed Hummingbird (*Amazilia tzacatl*) | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Streaked-headed Woodcreeper (*Lepidocolaptes souleyetii*) | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |
| Social Flycatcher (*Myiozetetes similis*) | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Squirrel Cuckoo (*Piaya cayana*) | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 |
| Swainson’s Hawk (*Buteo swainsoni*) | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Thicket Tinamou (*Crypturellus cinnamomeus*) | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| Tropical Kingbird (*Tyrannus melancholicus*) | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Turkey Vulture (*Cathartes aura*) | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| Three-wattled Bellbird (*Procnias tricarunculatus*) | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| White-eared Ground-Sparrow (*Melozone leucotis*) | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| White-fronted Parrot (*Amazona albifrons*) | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 |
| Wilson’s Warbler (*Cardellina pusilla*) | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Wood Thrush (*Hylocichla mustelina*) | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| White-tipped Dove (*Leptotila verreauxi*) | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 |
| White-throated Magpie-Jay (*Calocitta Formosa*) | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Yellow-crowned Euphonia (*Euphonia luteicapilla*) | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Yellow Warbler (*Setophaga petechia*) | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Yellow-faced Grassquit (*Tiaris olivaceus*) | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 |

Figure S1. Non-metric dimensional scaling of community composition by successional stage including species contributions to NMDS scores. Symbols represent NMDS scores for each site in this study. Text gives four-letter species code to show contributions to NMDS scores from individual species. AOU Dissimilarities used were calculated using the Bray-Curtis method.

Chart, scatter chart, bubble chart

Description automatically generated

1. IUCN. The IUCN Red List of Threatened Species. Version 2022-1. In: https://www.iucnredlist.org. 2022.