



Final Report



First Citizens

CONTENTS

Report Credits	3
Executive Summary	4
Introduction	5
Methods	7
Plants.....	
Birds	
Mammals.....	
Reptiles and Amphibians.....	
Aquatic Freshwater	
Aquatic Marine	
Terrestrial Invertebrates	
Fungi.....	
iNaturalist.....	
Results	11
Plants.....	
Birds	
Mammals.....	
Reptiles and Amphibians.....	
Aquatic Freshwater	
Aquatic Marine.....	
Terrestrial Invertebrates	
Fungi.....	
iNaturalist.....	
Public participation	
Media Coverage	
Conclusion	15
Acknowledgements	17
References	19
Appendix 1 - iNaturalist statistics	20
Appendix 2 – Combined species lists	22
Appendix 3 - additional data	43

Report Credits

Compiled by Amy Deacon¹

Cite as: Deacon, A.E (Ed.) 2023. Buccoo Bioblitz 2023 Final Report. Trinidad and Tobago Field Naturalists' Club, Trinidad and Tobago. 61 pp.

¹Department of Life Sciences, Faculty of Science and Technology, The University of the West Indies, St. Augustine, Trinidad; amy.deacon@sta.uwi.edu

Executive Summary

The twelfth Trinidad & Tobago Bioblitz was conducted on the 3-4 June 2023, in South-West Tobago, with a base camp at the Buccoo Government Primary School. The event was funded by First Citizens Bank of Trinidad and Tobago, with contributions from the Tobago House of Assembly (THA), UWI Credit Union and the Trinidad and Tobago Field Naturalists' Club (TTFNC). The event was organized by TTFNC and UWI's Department of Life Sciences in partnership with SpeSeas, Buccoo Reef Trust and the THA. Around 150 volunteers helped observe, collect, and identify a diverse range of organisms over 24 hours: plants, fungi, birds, mammals, reptiles, amphibians, terrestrial invertebrates, and marine and freshwater aquatic organisms. A variety of surveying methods were used, including direct observation, acoustic recording, trapping and netting. Diving and snorkeling surveys were important elements of this year's efforts, and the iNaturalist community assisted with identifications. Members of the public attended the accompanying outreach activities at the Buccoo Government Primary School on Sunday 4th which included displays from several different NGOs. An impressive total of 899 species were recorded during the event, including several new records for Tobago.

Keywords: Bioblitz; biodiversity; Tobago; survey; Citizen science; Caribbean;

Introduction

A Bioblitz (short for Biodiversity Blitz) is an event in which participants gather together to record as many different species of organisms as possible during a set period at a chosen site. The period is normally 24 hours but can range from a few hours to several days. Participants can include expert scientists and naturalists alongside students and other volunteers. The main objectives are to learn more about the species present at a particular location, while also engaging the public with their local biodiversity.

Bioblitz events have been held all over the world since the first one was held in the USA in 1996, including in Australia, New Zealand, Canada, the U.K., Spain, Portugal, Ireland, Germany, Italy, Switzerland, and Taiwan. The event described herein was the twelfth to be held in the Republic of Trinidad and Tobago.

The 9th, 10th and 11th Trinidad & Tobago Bioblitzes were held virtually due to the covid19 pandemic restrictions. Thus, this year was the first in-person event since 2019.

Although a Bioblitz gives a snapshot of the wildlife in an area, it is not designed to yield an exhaustive inventory (Lundmark, 2003). This is because of the limited time during which the sampling takes place and also because it is conducted over a single weekend, meaning that seasonal variation cannot be accounted for; however, the sampling does provide a baseline against which results of future surveys and Bioblitzes can be compared and measured. It can also reveal important insights into the distributions and status of certain species of interest. In the past, T&T Bioblitzes have generated several 'new species records' for the country (e.g. Sewlal 2013) as well as useful information on distributions of certain species (Auguste & Rutherford, 2015; Cock, 2017; Smith et al., 2021; Jowers et al 2021)

Buccoo and the surrounding area in South-West Tobago was chosen this year because it was 8 years since the first and only Tobago-based Bioblitz. The 2015 event was in North-East Tobago with a basecamp in Charlotteville, so we were keen to cover a different part of the island, and especially an area that includes a Marine Protected Area – the Buccoo Reef Marine Park.

While marine habitats were a focus, including seagrass, intertidal and coral reef habitats, the survey area also comprised mangroves, forests, streams and urban and suburban areas. Indeed, much of the terrestrial part of the survey area is heavily developed for residential, commercial and tourism use. Exceptions to this include the forests surrounding the Grafton bird sanctuary to the North, and mangrove forest habitats to the South.

It is notable that at least two locations targeted as part of the surveys are currently carded for significant developments: Kilgwyn Bay and Rocky Point/Back Bay. The more data we have on the biodiversity of these areas, the better placed we are to advocate for their protection and make decisions about their future.

The weather during the 24-hour period was mixed, with periods of heavy showers and sun.

As usual, the event was co-organised between the TTFNC and the Department of Life Sciences, The University of the West Indies, but this year, we forged additional partnerships with SpeSeas, Buccoo Reef Trust (BRT) and the Tobago House of Assembly (THA), given the focus on Tobago and the marine environment.

First Citizens Bank graciously sponsored the event this year, and we are also grateful to the Principal of the Buccoo Government Primary School and the Ministry of Education for allowing us to use the school as an excellent base camp for the weekend. Permits for conducting terrestrial and marine surveys were obtained through the Department of Natural Resources and Forestry, and the Department of Marine Resources and Fisheries, respectively. The latter included permission to enter and survey the Buccoo Reef Marine Park protected area, on the condition that no specimens were extracted.

The organizing committee for this event comprised the following individuals:

Linton Arneaud, UWI-DLS/TTFNC
Renoir J. Auguste UWI-DLS/TTFNC
Laura Baboolal, TTFNC
Nandani Bridglal, UWI-DLS
Amy Deacon, TTFNC/UWI-DLS
Kelly Mannette, BRT
Ryan Mannette, SpeSeas
Ryan S. Mohammed
Stephanie Warren-Gittens, TTFNC
Raquel Wheeler, TTFNC

Methods

The survey area covered a 5km radius, designed to encompass the majority of the South-West peninsula, and including a variety of marine habitats (Figure 1).

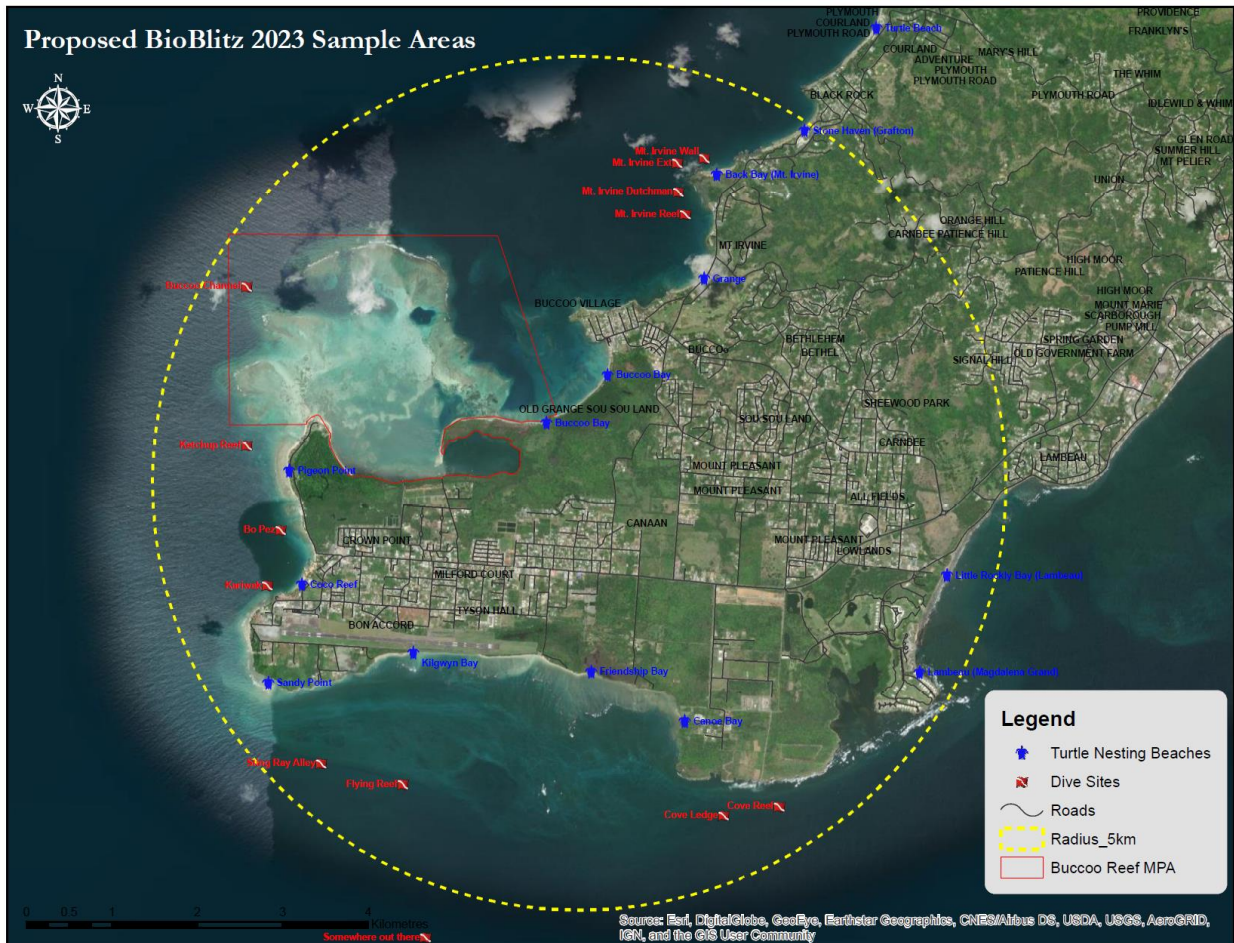


Figure 1. Sampling area (5 km radius) in South-West Tobago.

Experts and volunteers grouped themselves together and most prepared a plan of action before the event began; the volunteers were divided up into several groups that varied in the number of members and the surveying methods to be used. At noon on Saturday, after a brief welcome and introduction from Amy Deacon, the groups headed into the area to start surveying. Some continued late into the night and then started again at daybreak on Sunday before finishing up before noon. Results were announced at 1pm.

Plants

The plant survey was carried out in different ecosystems within South-West Tobago, with specific collections made at four general locations containing different habitat types. Sites comprising young/secondary forests were led by Mike and Doreen Oatham in and around the Mt Irvine environs. Mangrove and other wetland ecosystems were led by Shane Ballah within the vicinity of No Man's Land and Bon Accord. Sarah Evelyn led the group surveying disturbed areas such as Caledonia Estate/Grafton Hotel/Crown Point and the periphery of Basecamp, whereas Linton

Arneaud focused on freshwater, marine and coastal plants throughout several locations, including Buccoo Bay, Petit Trou Lagoon and Kilgwyn Bay.

At these sites, all plants encountered were recorded and where necessary samples were collected for later identification. All plants collected were divided into woody plants, vines, and herbs. Opportunistic sightings of vascular plants along access roads and trails were also recorded. Specimens were collected by hand and field notes were taken which aided with identifications.

Birds

The Bird Group was formed of more than twenty highly motivated participants plus a few intrepid Bioblitzers from other groups.

Surveying was done via several established methods, including, field surveys with a combination of driving and walking throughout the accessible areas of the survey radius where applicable, and bird-banding surveys. Also, mounted audio recorders were used to capture bird calls for identification later on, especially for nocturnal birds. Two main groups were tasked with covering as much of the Bioblitz area as possible, noting limitations with vehicle access to some interior forest dirt roads, as well as some limited habitat availability where focus was mainly on forest and some scrubland vegetation, with some river and stream habitats.

In addition two mist net stations were established at Bon Accord (sewage ponds) and Grafton Bird Sanctuary. Here birds were captured, some banded, and all released.

Mammals

No camera traps were used this year; instead the mammal group relied upon incidental sightings from all other specialist groups. During the day the team explored an abandoned hotel in the Grafton area where a hand net was used to capture the bats in order to get a closer look and identify the species. Also, acoustic sampling for bats was conducted at the abandoned hotel.

Two survey stations and teams were established, one behind Buccoo Bay and the other at Grafton for mist netting bats at night.

Reptiles and Amphibians

TTFNC Herpetology Group was organized by Renoir Auguste and field surveys were led by Renoir and Saifudeen Muhammad. Forest trails within the 5 km radius were walked day and night to observe amphibians and reptiles. At night, flashlights were used to aid in finding frogs, lizards, caiman, and snakes. All frogs heard calling but not seen were identified and documented by Renoir. In addition, beaches were patrolled to look for nesting female sea turtles with the aid of red lights.

Aquatic - Freshwater

This year, sampling involved using three methods: seining, cast netting and fish traps. The main methods used were seining and cast netting used at all aquatic sampling sites, whereas fish traps were used at five sites. As many available streams within the 5 km were sampled as possible.

Aquatic - Marine

The Marine Group conducted SCUBA diving daytime surveys, led by Ryan Mannette, at Mt Irvine Reef, Kariwak Reef, and Bo Pez Reef, as well as a night SCUBA survey at Kariwak Reef. A glass bottom boat launched from the Buccoo jetty transported snorkelers, led by Stephanie Warren-Gittens, to the Buccoo Reef to conduct snorkelling surveys. Participants also conducted snorkelling and intertidal surveys at Swallows, Mt. Irvine, Pigeon Point, Stone Haven and the Bon Accord Lagoon.

Lists were compiled from visual observations and field guides. Where photos were available, observations were uploaded to iNaturalist for species identification and verification.

Marine intertidal mollusc surveys and subsequent identifications were conducted by Ivan Hinkson.

The freshwater group assisted the Marine Surveys by conducting a beach seine at Buccoo Bay.

Terrestrial Invertebrates

Terrestrial Invertebrates occupy a diverse array of habitats and are active at both day and night, with many species displaying cryptic behaviour that makes them very difficult to locate and document in the field without the use of special survey equipment and techniques. To be able to collect and record as many species as possible in the diverse array habitats that were found in Buccoo, the invertebrate group therefore utilised a variety of survey techniques that were conducted both in the day and at night. For daytime surveys the group members actively sampled various microhabitats ranging from lush vegetation along forest trails, to the edges of streams and ponds with use of both sweep nets and aerial sloop nets. The sweep nets were used to sample various invertebrates that were within understory vegetation by brushing the vegetation with a heavy canvas net that served to dislodge any species, both diurnal and nocturnal that are on, or making their retreats in the vegetation. The aerial sweep nets on the other hand were used to sample 'in flight' invertebrates such as butterflies, dragonflies and damselflies. In addition to the use of these nets, group members also utilised visual encounter surveys that entailed walking through various habitats of the survey sites and observing and recording all insects that could be seen with the naked eye. Any specimens that were difficult to identify in the field were collected by use of insect vials and brought back to basecamp for further identification by the experts and with the use of identification guides. The recording of species was supplemented by observations and photos taken by members of other specialist groups where photos were taken by the use of smartphones and uploaded to iNaturalist. A comprehensive species list of invertebrate observations was then made by combining all species that were observed and recorded.

For the night-time surveys, the invertebrate group assembled at basecamp for 7:45 pm where their numbers quickly doubled from 10 members to approximately 20, as individuals from other daytime survey teams joined in. Rakesh Bhukal led the group searching for scorpions and other nocturnal invertebrates that were active at night. Surveys for this group was conducted between the hours of 8 pm and 1 am on Saturday night and commenced with a safety briefing on the handling and collecting of these specimens in the field as there is a highly venomous species, *Tityus trinitatis*, among the scorpion fauna of Tobago. The surveys entailed walking through various habitat types and actively searching various microhabitats from the ground level straight up to the canopies of trees with the use of hand held ultra- violet flashlights of wavelength 395 nm. This wavelength of light was chosen because scorpions fluoresce or "glow" brightly when they are irradiated. Specimens that were difficult to identify in the field were collected by gently clasping their tail with large forceps and safely and securely placing them in collecting vials to be taken back to basecamp for identification with the use of a dissecting microscope.

Throughout the Bioblitz, participants encountered a variety of invertebrates throughout the area. These specimens included many different insects, arachnids, crustaceans, myriapods, and worms. Various field guides were used to aid in identification of species, including Michalski (2015) and Barcant (1970) which gave details on the Odonata and butterflies of Trinidad and Tobago respectively. As for moths, these were identified with the help of various on-line resources and by sharing photos with Lepidoptera expert Dr. Matthew J. W. Cock.

Fungi

The Fungi group focused on the three main trails within the Grafton Estate on Saturday afternoon, followed by Friendship estate, Canoe Bay and Golden Grove Road. Bon Accord Lagoon and Buccoo Bay were also surveyed on Saturday evening. On Sunday, group leader Jeffrey Wong Sang covered Buccoo Point, Golden Grove Road, Canaan, Kilgwyn Swamp and the boardwalk by Petit Trou Lagoon in Magdalena.

Specimens were collected and preserved as well as photographs were taken. These were then collated and identified to morphospecies during the Bioblitz with further identification carried out after the event. Other participants also contributed photographs of fungi.

The Fungi group were extremely active with outreach too, exhibiting specimens and interacting with school children on Friday afternoon as well as on Sunday.

iNaturalist

All participants and members of the public were encouraged to use iNaturalist to upload observations throughout the weekend, so that they could be identified by scientists from around the world. This was especially well-used for invertebrates, where we lack the specific expertise for certain groups. This can still be viewed at: <https://www.inaturalist.org/projects/buccoo-bioblitz-2023>

Results

Plants

The final plant group total was 246 species. These included many exotic species such as the Narrow Century Plant (*Agave angustifolia*), Blue Trumpet Vine (*Thunbergia grandiflora*) Devil's Backbone (*Euphorbia tithymaloides*) and Coral Plant (*Jatropha multiflora*). Unfortunately, the plant group was unable to identify any endemic or rare plant species recorded for the area such as *Securidaca lophosoma*, *Aegiphila obovata*, *Guapira pacurero* and *Eugenia procera*. We were however able to find Pigeonberry (*Rivina humilis*), a new (native) record for Tobago which was observed in numerous locations.



The Plant Group (left) and Pigeonberry (right) [Photos by Amy Deacon and Everette Ramdeo]

Birds

A total of 78 species of birds were seen, heard or captured and released during the Bioblitz, within the 5km radius. This represents just under 30% of the 272 different species known from Tobago (Kenefick et al. 2011). Notable sightings included a female lesser scaup still hanging around at the ponds in lowlands; this species is a winter migratory and seemed to have overstayed or overwintered. Next was a blue wing teal in the same ponds in lowlands, same overwintering as it is also migratory. These two sightings highlight the importance of these ponds in Tobago for wintering, migratory waterbirds. Next was the gray and cocoi herons at the Buccoo sewage ponds, the former is a rare but almost annual visitor to T&T's freshwater marshes, and the latter was a nice find as whilst it does migrate at times to Trinidad it is quite rare for Tobago. Some nice shorebirds were also spotted, including white-rumped sandpiper, collared plover, black-bellied plover and semipalmated plover. At night the common potoo was heard, and possible gray throated leaftosser was recorded on Grafton trail.



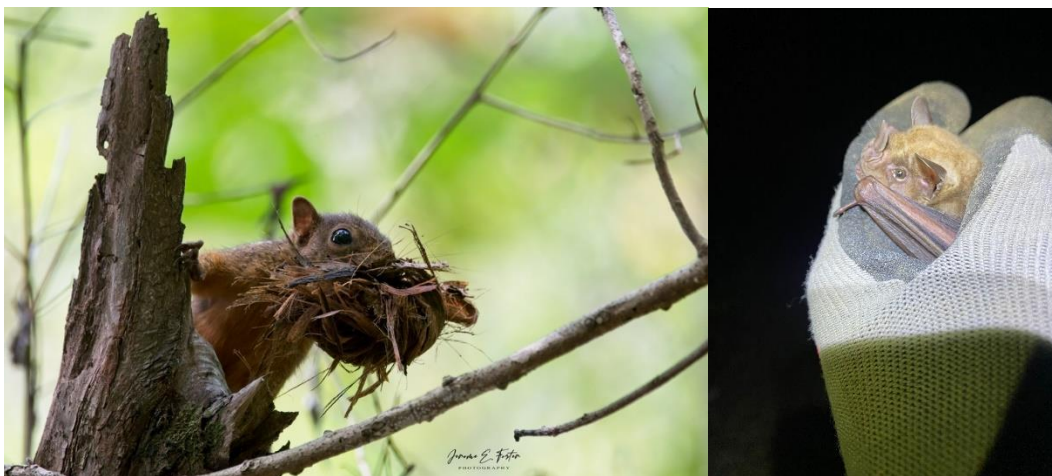
Bird Group members Mark Hulme and Nadia Ward band birds (left) and Green-rumped Parakeet (right). [Photos by Giselle Ragoonanan and Jerome Foster]

Mammals

The mammals were dominated by bats, with an impressive 10 bat species recorded out of 70 bat species known for the country. The acoustic sampling detected two bat species at the abandoned hotel which were narrowed down to *Myotis* sp. and *Phyllostomus* sp.

At both Buccoo Bay and Grafton we identified Seba's short-tailed bat and Jamaican fruit-eating bat. At the Buccoo site four additional species were identified with one species in particular being an exciting one to see, the Greater fishing bat. The other species observed included Great fruit-eating bat, Little yellow-shouldered bat and Greater white-lined bat. At the Grafton site, two species were found, Little big-eared bat and Gervais's fruit-eating bat.

The other mammal species observed included Red-rumped agouti and Red-tailed squirrel. Of course the usual domestic species were seen around the area. The total for wild mammals therefore came to 12, and the total including cats, dogs, sheep, cattle and horses came to 17.



Red-tailed Squirrel (left) and a bat (right) [Photos by Jerome Foster and Giselle Ragoonanan]

Reptiles and Amphibians

Thirty-three reptile and amphibian species were recorded. These comprised 10 species of snakes, 12 species of lizards, 2 species of sea turtle, a crocodylian and 8 species of frog. The most significant finding from this year's Bioblitz was a frog (*Adenomera* sp.) that has yet to be formally reported for Tobago. Tobago's endemic gecko, *Gonatodes ocellatus*, was also recorded within the area (see below).



Milky Tree Frog, Grenada Tree Anole and Ocellated Gecko. [Photos by Rainer Deo, Jerome Foster and Saifudeen Muhammad]

Freshwater

Species recorded by the freshwater group included native guppies, zangee, swamp guppies, and introduced tilapia, alongside several freshwater prawns and gastropods. The group also added several species to the marine fishes, molluscs and crustaceans, by sampling brackish and nearshore areas.



Blue crab and Crayfish (Photos by Jerome Foster and Julian Moulton)

Marine

226 species were recorded by the Marine Group from a variety of taxa. They included fishes, crustaceans, molluscs, marine plants and algae and other invertebrates. Notable sightings included a shortnose batfish, a hawksbill turtle, a spotted eagle ray, some unidentified seahorses, an Atlantic white-spotted octopus and a toadfish.

Between the Freshwater & Aquatic groups, 119 fishes, 23 crustaceans, 38 molluscs, 4 alga and 67 aquatic invertebrates were recorded.



Atlantic White-spotted Octopus, the snorkelling team, a Shortnose Batfish and a Lionfish [Underwater photos by Ryan Mannette; Group shot by Stephanie Warren-Gittens]

Terrestrial Invertebrates

At least 192 insects were recorded over the event, including stick insects, praying mantises, butterflies, dragonflies and, excitingly, seven species of moth that had never been recorded in Tobago before: *Macaria carpo*, *Moca aphrodora*, *Melitta cyaneifera*, *Hypena glumalis*, *Coenipeta bibitrix*, *Eulepidotis ezra* and *Goniapteryx servia*. These were photographed by Rainer Deo and Bryan Ramdeen, and identification confirmed by Matthew Cock. The team also found 45 different arachnids, including three scorpions, one of which is endemic to Tobago. Alongside 3 millipedes and 2 isopods, the terrestrial invertebrate total stands at 242 species. The final list was a composite of records kept during the event alongside iNaturalist observations uploaded by various bioblitzers.



A new moth record for Tobago, Liam Wheeler with a Frangipani caterpillar and a Thick-tailed Scorpion (Photos by Rainer Deo, Jeffrey Wong Sang and Bryan Ramdeen)

Fungi

After a dry few months, the fungi group benefited from some welcome rains in the days leading up to the event. Thirty-five fungi species were recorded; the final list is still being analyzed.



Pleated Inkcap (*Parasola plicatilis*), *Marasmius* sp. and *Trametes* sp. [Photos by Jeffrey Wong Sang]

iNaturalist

38 volunteers uploaded 1611 observations to the Buccoo Bioblitz 2023 iNaturalist project. Just under half of these reached a Research Grade identification by September 2023 and together they represented 638 species. See **Appendix 1** for more details.

Public participation

Around 150 volunteers took part in the surveys, including scientists, students, naturalists and interested members of the public. A further 50+ people of all ages visited the base camp on Sunday and they had a variety of activities to enjoy, overseen by Raquel Wheeler, Amy Deacon and Nandani Bridglal with the assistance of Aliya Hosein and Dan Jaggernauth. These included colouring, games and worksheets for children, with stickers and laminated guides as prizes. Various groups and invited organizations had displays on offer, including SpeSeas, First Citizens, ERIC, BirdsCaribbean, TTFNC including Ivan Hinkson's mollusc display, Mushrooms of T&T, Corbin's Local Wildlife, BESnet and Buccoo Reef Trust. ERIC set up in a classroom offering presentations and short films on demand, Corbin's Local Wildlife brought live aquatic displays including terrapins, and SpeSeas brought their popular virtual reality coral reef dive goggles, allowing visitors the chance to take a virtual tour of Tobago's reefs based on photos from their Maritime Ocean Collection.



Various outreach activities over the weekend, including a photo of the organizing committee & group leaders (top right) and a 'survivors photo' of participants on Sunday afternoon (bottom right)

Media coverage

We managed to secure good media coverage before and after the event, thanks to Stephanie Warren-Gittens in Trinidad and Barry Lovelace in Tobago.

TV appearances:

- Stephanie Warren Gittens appeared on TTT's Now Morning Show the week before the event.
- Kelly Mannelle and Barry Lovelace promoted the event on Tobago TV in advance of the event.
- Amy Deacon & Ryan Mannelle appeared on Tobago TV on Monday the 5th to announce the results.

Print and online news outlets:

- Pre-event mention in Caribbean Beat
- Pre-event article in LoopTT: <https://tt.loopnews.com/content/bioblitz-resumes-buccoo-tobago>
- Post-event article in the Express: https://trinidadexpress.com/features/local/bioblitz-is-back/article_5caa3024-2503-11ee-8a43-6feed57bc874.html

Conclusion

The total number of species recorded at the Bioblitz was 899 species. These comprised 246 plants, 17 mammals, 8 amphibians, 25 reptiles, 78 birds, 192 insects, 45 arachnids, 3 millipedes, 2 isopods, 119 fishes, 38 molluscs, 23 crustaceans, 67 other marine invertebrates, 4 algal species and 35 fungi.

The full list can be found in **Appendix 2** of this report.

South-West Tobago proved to be a remarkably fruitful location. While originally chosen for its marine environment and potential outreach opportunities given the high density of people, most teams were pleasantly surprised to record high numbers of species and to end up with totals that compare well with other events conducted in more varied and less disturbed areas.

iNaturalist was used to great effect this year, partly thanks to the virtual bioblitzes between 2020-2022 which meant that many participants now have their own iNaturalist account. This especially made a difference to the number of terrestrial invertebrates, and also helped greatly with the identification of marine invertebrates.

Habitats in South-West Tobago are frequently faced with proposed developments, and there is the tendency to assume that because much of the region is already developed, there is little of value remaining in terms of biodiversity. The 2023 T&T Bioblitz surveys have shown that this is far from true, and while the further development of this region in some form may be inevitable, it is vital that it is done with consideration and full awareness of what is still there and what could potentially be lost.

For more details and photographs of the event see the TTFNC magazine The Field Naturalist Quarterly Bulletin 2023/4: TBA

Acknowledgements

Plant Group

Coordinator: Linton Arneaud

Members: Doreen Jodhan, Mike Oatham, Nandani Bridglal, Dan Jaggernaut, Natalie Boodram, Darren Henry, Shane Ballah, Aidan Farrell, Shivanie Phillip, Sarah Arneaud, Selena Evelyn, Sachin Maraj, Melissa Boodoo and Linarah Arneaud.

Bird Group

Coordinators: Elizabeth Seebaran, Jerome Foster,

Members: Darshan Narang, Alex Sansom, Aliya Hosein, Giselle Ragoonanan, Che Ragoonanan, Kelly Fitzjames, Omega Cassar, Yvonne Maraj, Leanna Hill, Carl Fitzjames, Nadia Ward, Ian Wright, Luanne, Devan Mulchansingh, Shivane Loach, Everette Ramdeo, Nigel Yusuf, Chrisalene Dedier, David Huggins.

Mammal Group

Coordinator: Laura Baboolal.

Members: Darshan Narang, Giselle Ragoonanan, Che Ragoonanan, Nadia Ward, Yvonne Maraj, Jo-Marie Westmaas, Nicholas Mohammed, Marie-Elise Maingot, Anesty Tudor, Richard Smith, Shivam Mahadeo, Simone Ganpat, Nigel Robinson.

Reptile & Amphibian Group

Coordinators: Renoir Auguste & Saifudeen Muhammad

Members: Sana Muhammad, Anees Muhammad, Aaron Wheeler, Liam Wheeler, Marie-Elise Maingot, Sachin Maraj, Rainer Deo, Vaughn-Xavier Jameer, Nicole Auguste.

Aquatic - Freshwater Group

Coordinator: Ryan S. Mohammed.

Members: Vaughn-Xavier Jameer, Sachin Maraj, Ada Eslava, Jacqueline Forbes, Deven Rampersad, Chiang L. Jacob, Matthew De Souza, Julian Molton, Danielle Angulo.

Aquatic - Marine Group:

Coordinators: Ryan Mannette* and Stephanie Warren-Gittens

Members: Sweelan Renaud, Mark Hulme, Michelle Cazabon-Mannette, Kelly Mannette-Camejo, Ava Camejo, Jo-Marie Westmaas, Kelly Kingon, Zayla Kingon, Vaughn Xavier-Jameer, Melissa Boodoo, Lindsay Bell, Kori Puckerin, Zaakirah Britto*, Ivan Hinkson*, Kenrick James*, Nived Sahadeo, Marie Elise Maingot, Susan Sempr, Duane Kenny, Christopher Naranjit*, Susan Suchit*

**Participated in the SCUBA diving*

Invertebrate Group

Coordinators: Rakesh Bhukal & Virmal Arjoonsingh

Members: Allana Singh, Andrew Clarke, Vanessa Nichols, Aaron Wheeler, Rainer Deo, Asa Eslava, Dillon Suepaul, Camille Ramrekha, Bryan Ramdeen, M Chin Sue Min, Gabrielle Fernandes.

Fungi Group

Coordinator: Jeffrey Wong Sang;

Members: Raquel Wheeler, Liam Wheeler, Aaron Wheeler, Leslie K, John Luke Jagessar, Sapphire Ramsomair

The committee would like to thank the following for contributing to the success of this year's event:

- First Citizens Ltd for generously sponsoring the event this year, and additionally for providing T-shirts for our volunteers.
- The Department of Life Sciences at UWI St Augustine for providing vehicles and survey equipment, and the staff and students for participating.
- The TTFNC for providing display posters and poster stands. Special thanks to TTFNC Treasurer Mr Selwyn Gomes for coordinating and keeping track of the finances, and to TTFNC Committee Member Dan Jaggernaut for his invaluable help setting up and looking after basecamp throughout the weekend.
- The various Group Leaders for their help in their efforts in coordinating teams and reporting their results.
- Buccoo Government Primary School staff, especially the principal, for granting permission, the vice principal for attending on Sunday, and the security and cleaning teams during and after the weekend.
- Barry Lovelace and Darren Henry of the Tobago House of Assembly, Ministry of Agriculture, Land Use and Fisheries, for facilitating permits for marine and terrestrial surveys respectively. Special thanks to Barry and his team for helping facilitate and partially fund the boat hire for Saturday's snorkeling surveys.
- The UWI Credit Union for a donation of \$1000 towards the hire of the boat used for snorkelling surveys.
- The Magdalena Grand Beach and Golf Resort and Golden Grove Plantations for giving us special permission to access habitats over the weekend, free of charge.
- The experts on iNaturalist who assisted with IDs virtually. Special mention to the top ten identifiers: amydeacott, farahnissa, akilahstewart, uconnbirdfish, erictobago, matthewcock, la_mrmd, markhulme, ryanmannette, michellecazabonmannette.
- Exhibitors on the Sunday, for coming along to interact with the public. Especially ERIC Tobago, SpeSeas, Corbin's Local Wildlife, BESnet, Mushrooms of T&T, Dan Jaggernaut, Ivan Hinckson and First Citizens.

References

- Auguste, R. & Rutherford, M.G. (2015). Range Expansion of *Scarthyla vigilans* (Anura: Hylidae) in Trinidad, West Indies. *Living World, Journal of The Trinidad and Tobago Field Naturalists' Club*, 43-43.
- Barcant, M. (1970). *Butterflies of Trinidad and Tobago*. Collins, London. 314p.
- Cock, M. (2017) A Preliminary Catalogue of the Moths of Tobago, West Indies. *Insecta Mundi*. (0585), 1-58.
- Jowers, M. et al. (2021) Ecology, conservation status, and phylogenetic placement of endemic *Pristimantis* frogs in Trinidad and Tobago and genetic affinities to northern Venezuela. *Population Ecology*. 64(2), 136-149.
- Kenefick, M., Restal, R., Hayes, F. (2011). *Birds of Trinidad and Tobago*. Second Edition. Helm field guides. 272 pp.
- Lundmark, C. (2003). Bioblitz: Getting into backyard biodiversity. *Bioscience* 53(4):329.
- Michalski, J. (2015). *The dragonflies and damselfies of Trinidad and Tobago*. Kanduanum books. 258 pp.
- Sewlal, J. (2013). First record of the spider *Neotama mexicana* from Trinidad and Tobago. *Living World, Journal of The Trinidad and Tobago Field Naturalists' Club*.
- Smith et al. (2021) The distribution and conservation status of the Dwarf Marsupial Frog (*Flectonotus fitzgeraldi*) in Trinidad, Tobago, and Venezuela. *Amphibian & Reptile Conservation*. 15(1).

Appendix 1: iNaturalist Statistics

These statistics were extracted as screen shots on the 18th September 2023 from <https://www.inaturalist.org/projects/buccoo-bioblitz-2023>

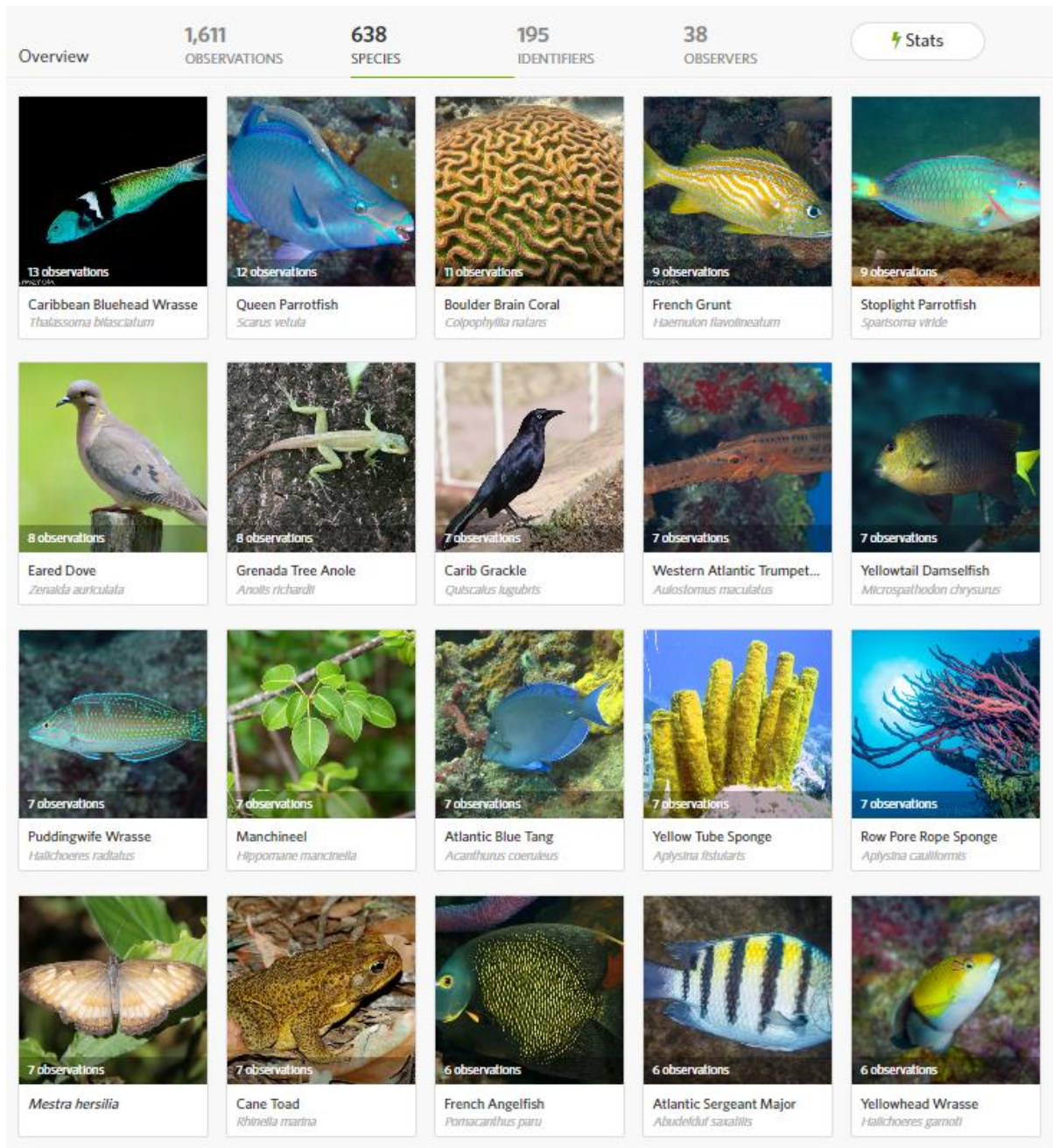


Figure A1a – Top twenty species uploaded to iNaturalist from the Bioblitz weekend, ranked from most often observed.

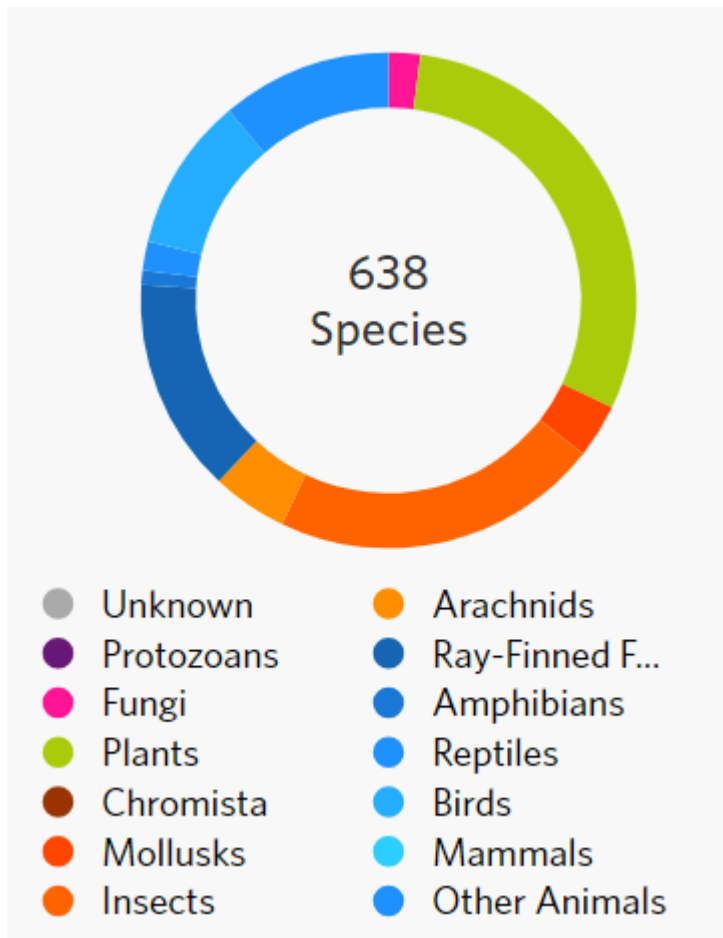


Figure A1b – Distribution of iNaturalist observations among various taxa. Plants dominated, followed by insects and fishes.

Appendix 2: Full species list

899 species were recorded in total.

Species Lists

GROUP	Common Name	Scientific name	Taxa
Bird	Copper-rumped Hummingbird	<i>Amazilia tobaci</i>	Bird
Bird	Anhinga	<i>Anhinga anhinga</i>	Bird
Bird	Black-throated Mango	<i>Anthracothorax nigricollis</i>	Bird
Bird	Great Egret	<i>Ardea alba</i>	Bird
Bird	Cattle Egret	<i>Bubulcus ibis</i>	Bird
Bird	Short-tailed Swift	<i>Chaetura brachyura</i>	Bird
Bird	Bananaquit	<i>Coereba flaveola</i>	Bird
Bird	Ruddy Ground Dove	<i>Columbina talpacoti</i>	Bird
Bird	Smooth-billed Ani	<i>Crotophaga ani</i>	Bird
Bird	Yellow-bellied Elaenia	<i>Elaenia flavogaster</i>	Bird
Bird	White-necked Jacobin	<i>Florisuga mellivora</i>	Bird
Bird	Green-rumped Parrotlet	<i>Forpus passerinus</i>	Bird
Bird	Magnificent Frigatebird	<i>Fregata magnificens</i>	Bird
Bird	Rufous-tailed Jacamar	<i>Galbula ruficauda</i>	Bird
Bird	Rufous-breasted Hermit	<i>Glaucis hirsutus</i>	Bird
Bird	White-tailed Nightjar	<i>Hydropsalis cayennensis</i>	Bird
Bird	Wattled Jacana	<i>Jacana jacana</i>	Bird
Bird	White-tipped Dove	<i>Leptotila verreauxi</i>	Bird
Bird	Yellow-headed Caracara	<i>Milvago chimachima</i>	Bird
Bird	Tropical Mockingbird	<i>Mimus gilvus</i>	Bird
Bird	Shiny Cowbird	<i>Molothrus bonariensis</i>	Bird
Bird	Pale-vented Pigeon	<i>Patagioenas cayennensis</i>	Bird
Bird	Purple Gallinule	<i>Porphyrio martinicus</i>	Bird
Bird	Carib Grackle	<i>Quiscalus lugubris</i>	Bird
Bird	White-winged Swallow	<i>Tachycineta albiventer</i>	Bird
Bird	Barred Antshrike	<i>Thamnophilus doliatus</i>	Bird
Bird	Blue-gray Tanager	<i>Thraupis episcopus</i>	Bird
Bird	Palm Tanager	<i>Thraupis palmarum</i>	Bird
Bird	House Wren	<i>Troglodytes aedon</i>	Bird
Bird	Spectacled Thrush	<i>Turdus nudigenis</i>	Bird
Bird	Tropical Kingbird	<i>Tyrannus melancholicus</i>	Bird
Bird	Blue-black Grassquit	<i>Volatinia jacarina</i>	Bird
Bird	Black Skimmer		Bird
Bird	Black-bellied Plover		Bird
Bird	Black-bellied Whistling Duck		Bird
Bird	Black-crowned Night-Heron		Bird
Bird	Black-faced Grassquit		Bird
Bird	Blue-winged Teal		Bird
Bird	Brown Bobby		Bird

Bird	Brown Pelican		Bird
Bird	Brown-crested Flycatcher		Bird
Bird	Caribbean Martin		Bird
Bird	Chivi Vireo		Bird
Bird	Cocoa Woodcreeper		Bird
Bird	Cocoi Heron		Bird
Bird	Collared Plover		Bird
Bird	Common Gallinule		Bird
Bird	Common Potoo		Bird
Bird	Eared Dove		Bird
Bird	Fuscous Flycatcher		Bird
Bird	Gray Heron		Bird
Bird	Grey Kingbird		Bird
Bird	Gray-throated Leaf-tosser		Bird
Bird	Green Heron		Bird
Bird	Laughing Gull		Bird
Bird	Least Grebe		Bird
Bird	Lesser Scaup		Bird
Bird	Little Blue Heron		Bird
Bird	Mangrove Cuckoo		Bird
Bird	Ochre-ored Flycatcher		Bird
Bird	Osprey		Bird
Bird	Red-crowned Woodpecker		Bird
Bird	Red-legged Honeycreeper		Bird
Bird	Roseate Tern		Bird
Bird	Royal Tern		Bird
Bird	Ruby-topaz Hummingbird		Bird
Bird	Rufous-vented Chachalaca		Bird
Bird	Scrub Greenlet		Bird
Bird	Semipalmated Plover		Bird
Bird	Snowy Egret		Bird
Bird	Southern Lapwing		Bird
Bird	Tricolored Heron		Bird
Bird	Trinidad Motmot		Bird
Bird	White-cheeked Pintail		Bird
Bird	White-fringed Antwren		Bird
Bird	White-lined Tanager		Bird
Bird	White-rumped Sandpiper		Bird
Bird	Yellow-crowned Night-Heron		Bird
Freshwater	mangrove crab	<i>Aratus pisonii</i>	Crustacean
Freshwater		<i>Atya scabra</i>	Crustacean
Freshwater		<i>Macrobrachium carcinus</i>	Crustacean
Freshwater		<i>Macrobrachium crenulatum</i>	Crustacean
Freshwater	Ghost Crab (marine)	<i>Ocypode quadrata</i>	Crustacean
Freshwater		<i>Potimiron potimiron</i>	Crustacean

Freshwater		<i>Anablepsoides hartii</i>	Fish
Freshwater	(marine)	<i>Fistularia tabacaria</i>	Fish
Freshwater		<i>Gobimorous dormitor</i>	Fish
Freshwater		<i>Micropoecilia picta</i>	Fish
Freshwater		<i>Mugil sp.</i>	Fish
Freshwater	(marine)	<i>Oligoplites saurus</i>	Fish
Freshwater		<i>Oreochromis niloticus</i>	Fish
Freshwater		<i>Poecilia reticulata</i>	Fish
Freshwater		<i>Synbranchus marmoratus</i>	Fish
Freshwater		<i>Marissa cornuarietis</i>	Mollusc
Freshwater		<i>Neritina clenchi</i>	Mollusc
Freshwater		<i>Pomacea urceus</i>	Mollusc
Freshwater		<i>Pomaceus canaliculata</i>	Mollusc
Freshwater		<i>Tarebia granifera</i>	Mollusc
Fungi	Wood ear fungi	<i>Auricularia</i>	Fungi
Fungi	Coprinopsis sect. Coprinopsis	<i>Coprinopsis</i>	Fungi
Fungi		<i>Cymatoderma</i>	Fungi
Fungi		<i>Hexagonia</i>	Fungi
Fungi		<i>Hydropus</i>	Fungi
Fungi		<i>Leucocoprinus</i>	Fungi
Fungi	pinwheels and parachute mushrooms	<i>Marasmius</i>	Fungi
Fungi	Aldercaps	<i>Naucoria</i>	Fungi
Fungi	pleated inkcap	<i>Parasola plicatilis</i>	Fungi
Fungi	splitgill mushroom	<i>Schizophyllum commune</i>	Fungi
Fungi		<i>sp 1</i>	Fungi
Fungi		<i>sp 10</i>	Fungi
Fungi		<i>sp 11</i>	Fungi
Fungi		<i>sp 12</i>	Fungi
Fungi		<i>sp 13</i>	Fungi
Fungi		<i>sp 14</i>	Fungi
Fungi		<i>sp 15</i>	Fungi
Fungi		<i>sp 16</i>	Fungi
Fungi		<i>sp 17</i>	Fungi
Fungi		<i>sp 18</i>	Fungi
Fungi		<i>sp 19</i>	Fungi
Fungi		<i>sp 2</i>	Fungi
Fungi		<i>sp 20</i>	Fungi
Fungi		<i>sp 21</i>	Fungi
Fungi		<i>sp 22</i>	Fungi
Fungi		<i>sp 23</i>	Fungi
Fungi		<i>sp 24</i>	Fungi
Fungi		<i>sp 25</i>	Fungi
Fungi		<i>sp 3</i>	Fungi
Fungi		<i>sp 4</i>	Fungi
Fungi		<i>sp 5</i>	Fungi

Fungi		<i>sp 6</i>	Fungi
Fungi		<i>sp 7</i>	Fungi
Fungi		<i>sp 8</i>	Fungi
Fungi		<i>sp 9</i>	Fungi
Herpetology	dark-spotted thin-toed frog	<i>Adenomera sp</i>	Amphibian
Herpetology	emerald-eyed tree frog	<i>Boana platanera</i>	Amphibian
Herpetology	tungara frog	<i>Engystomops pustulosus</i>	Amphibian
Herpetology	whistling frog	<i>Leptodactylus fuscus</i>	Amphibian
Herpetology	ditch frog	<i>Leptodactylus validus</i>	Amphibian
Herpetology	marine toad	<i>Rhinella marina</i>	Amphibian
Herpetology	bathroom frog	<i>Scinax ruber</i>	Amphibian
Herpetology	milky tree frog	<i>Trachycephalus typhonius</i>	Amphibian
Herpetology	zandolie	<i>Ameiva atrigularis</i>	Reptile
Herpetology	bronze anole	<i>Anolis aeneus</i>	Reptile
Herpetology	tree anole	<i>Anolis richardii</i>	Reptile
Herpetology	hex-scaled lizard	<i>Bachia trinitatis</i>	Reptile
Herpetology	macajuel	<i>Boa constrictor</i>	Reptile
Herpetology	spectacled caiman	<i>Caiman crocodilus</i>	Reptile
Herpetology	beachrunner	<i>Cnemidophorus lemniscatus</i>	Reptile
Herpetology	tree boa	<i>Corallus ruschenbergerii</i>	Reptile
Herpetology	leatherback turtle	<i>Dermochelys coriacea</i>	Reptile
Herpetology	rainbow boa	<i>Epicrates maurus</i>	Reptile
Herpetology	hawksbill turtle	<i>Eremochelys imbricata</i>	Reptile
Herpetology	doctor snake	<i>Erythrolamprus melanotus nesos</i>	Reptile
Herpetology	ocellated gecko	<i>Gonatodes ocellatus</i>	Reptile
Herpetology	streak gecko	<i>Gonatodes vittatus</i>	Reptile
Herpetology	shiny lizard	<i>Gymnophthalmus underwoodi</i>	Reptile
Herpetology	African Woodslave	<i>Hemidactylus mabouia</i>	Reptile
Herpetology	iguana	<i>Iguana iguana</i>	Reptile
Herpetology	blunt-headed snake	<i>Imantodes cenchoa</i>	Reptile
Herpetology	parrot snake	<i>Leptophis coeruleodorsus</i>	Reptile
Herpetology	tobago racer	<i>Mastigodryas dunni</i>	Reptile
Herpetology	horsewhip	<i>Oxybelis rutherfordii</i>	Reptile
Herpetology	multi-coloured lizard	<i>Polychrus audoboni</i>	Reptile
Herpetology	ratonel	<i>Pseudoboa newwiedii</i>	Reptile
Herpetology	slug-eating snake	<i>Sibon nebulatus</i>	Reptile
Herpetology	matte	<i>Tupinambis cryptus</i>	Reptile
Mammal	Gervais's fruit-eating bat	<i>Artibeus cinereus</i>	Mammal
Mammal	Jamaican fruit-eating bat	<i>Artibeus jamaicensis</i>	Mammal
Mammal	Great fruit-eating bat	<i>Artibeus lituratus</i>	Mammal
Mammal	Seba's short-tailed bat	<i>Carollia perspicillata</i>	Mammal
Mammal	Red-rumped agouti	<i>Dasyprocta leporina</i>	Mammal
Mammal	Little big-eared bat	<i>Microycteris megalotis</i>	Mammal
Mammal	Bat	<i>Myotis sp.</i>	Mammal

Mammal	Greater fishing bat	<i>Noctilio leporinus</i>	Mammal
Mammal	Bat	<i>Phyllostomus sp.</i>	Mammal
Mammal	Greater white-lined bat	<i>Saccopteryx bilineata</i>	Mammal
Mammal	Red-tailed squirrel	<i>Sciurus granatensis</i>	Mammal
Mammal	Little yellow-shouldered bat	<i>Stunira lilium</i>	Mammal
Mammal	Domestic cattle		Mammal
Mammal	Domestic horse		Mammal
Mammal	Domestic cat		Mammal
Mammal	Domestic dog		Mammal
Mammal	Domestic sheep		Mammal
Marine	Green Feather Alga	<i>Caulerpa sertularioides</i>	Algae
Marine	Red Corals, Sponges and Other	<i>Phylum Rhodophyta</i>	Algae
Marine	Broad-leaved Gulfweed	<i>Sargassum fluitans</i>	Algae
Marine	Sailor's eyeball alga	<i>Valonia ventricosa</i>	Algae
Marine	Elkorn coral	<i>Acropora palmata</i>	Corals, Sponges and Other
Marine	Lettuce coral	<i>Agaricia agaricites</i>	Corals, Sponges and Other
Marine	Branching tube sponge	<i>Aiolochoia crassa</i>	Corals, Sponges and Other
Marine	Row Pore Rope Sponge	<i>Aplysina cauliformis</i>	Corals, Sponges and Other
Marine	Yellow Tube Sponge	<i>Aplysina fistularis</i>	Corals, Sponges and Other
Marine	Scattered Pore Rope Sponge	<i>Aplysina fulva</i>	Corals, Sponges and Other
Marine	Corky Sea Finger	<i>Briareum asbestinum</i>	Corals, Sponges and Other
Marine	Seagrape	<i>Coccoloba uvifera</i>	Corals, Sponges and Other
Marine	Boulder brain coral	<i>Colpophyllia natans</i>	Corals, Sponges and Other
Marine	Grooved brain coral	<i>Diploria labyrinthiformis</i>	Corals, Sponges and Other
Marine	Bent Sea Rod	<i>Eunicea flexuosa</i>	Corals, Sponges and Other
Marine	Green Corals, Sponges and Other	<i>Family Halimedaceae</i>	Corals, Sponges and Other
Marine	Golf ball coral	<i>Favia fragum</i>	Corals, Sponges and Other
Marine	Red Corals, Sponges and Other	<i>Genus Acanthophora</i>	Corals, Sponges and Other
Marine	Coralline Corals, Sponges and Other	<i>Genus Amphiroa</i>	Corals, Sponges and Other
Marine	Genus Aplysina	<i>Genus Aplysina</i>	Corals, Sponges and Other
Marine	Green Corals, Sponges and Other	<i>Genus Halimeda</i>	Corals, Sponges and Other
Marine	Pennaria (Hyrdoids)	<i>Genus Pennaria</i>	Corals, Sponges and Other
Marine	Gorgonian type octocoral	<i>Genus Pseudoplexaura</i>	Corals, Sponges and Other
Marine	Stony coral	<i>Genus Tubastraea</i>	Corals, Sponges and Other
Marine	Atlantic sea plumes	<i>Genus Antillogorgia</i>	Corals, Sponges and Other

Marine	Atlantic Sea Plumes	<i>Genus Antilloorgia</i>	Corals, Sponges and Other
Marine	Knobby Sea rods	<i>Genus Eunicea</i>	Corals, Sponges and Other
Marine	Fire Corals	<i>Genus Millepora</i>	Corals, Sponges and Other
Marine	Venus Fan	<i>Gorgonia flabellum</i>	Corals, Sponges and Other
Marine	Purple Sea Fan	<i>Gorgonia ventalina</i>	Corals, Sponges and Other
Marine	Yellow Pencil Coral	<i>Madracis auretenra</i>	Corals, Sponges and Other
Marine	Branching Fire Coral	<i>Millepora alcicornis</i>	Corals, Sponges and Other
Marine	Blade Fire Coral	<i>Millepora complanata</i>	Corals, Sponges and Other
Marine	Greater Star Coral	<i>Montastraea cavernosa</i>	Corals, Sponges and Other
Marine	Lobed Star Coral	<i>Orbicella annularis</i>	Corals, Sponges and Other
Marine	Mountainous Star Coral	<i>Orbicella faveolata</i>	Corals, Sponges and Other
Marine	Order Malacalcyonacea	<i>Order Malacalcyonacea</i>	Corals, Sponges and Other
Marine	Caribbean Sea Mat	<i>Palythoa caribaeorum</i>	Corals, Sponges and Other
Marine	Sea anemone	<i>Phylum Cnidaria</i>	Corals, Sponges and Other
Marine	Mustard Hill Coral	<i>Porites astreoides</i>	Corals, Sponges and Other
Marine	Finger Coral	<i>Porites porites</i>	Corals, Sponges and Other
Marine	Knobby Brain coral	<i>Pseudodiploria clivosa</i>	Corals, Sponges and Other
Marine	Symmetrical Brain Coral	<i>Pseudodiploria strigosa</i>	Corals, Sponges and Other
Marine	Porous Sea Rod	<i>Pseudoplexaura flagellosa</i>	Corals, Sponges and Other
Marine	Lesser Starlet Coral	<i>Siderastrea radians</i>	Corals, Sponges and Other
Marine	Massive starlet coral	<i>Siderastrea siderea</i>	Corals, Sponges and Other
Marine	Blushng star coral	<i>Stephanocoenia intersepta</i>	Corals, Sponges and Other
Marine	Sea Fan	<i>Subclass Octocorallia</i>	Corals, Sponges and Other
Marine	Pitted sponge	<i>Verongula rigida</i>	Corals, Sponges and Other
Marine	Giant Barrel Sponge	<i>Xestospongia muta</i>	Corals, Sponges and Other
Marine	Zoanthus		Corals, Sponges and Other
Marine	Cnidarians		Corals, Sponges and Other
Marine	Cyanobacteria (Fuzz ball Corals, Sponges and Other)		Corals, Sponges and Other
Marine	Speckled Swimming Crab	<i>Arenaeus cribrarius</i>	Crustacean
Marine	Caribbean Land Hermit Crab	<i>Coenobita clypeatus</i>	Crustacean
Marine	Redfinger Rubble Crab	<i>Eriphia gonagra</i>	Crustacean

Marine	Spider Crabs and Decorator Crabs	<i>Family Mithracidae</i>	Crustacean
Marine	Spider Crabs and Decorator Crabs	<i>Genus Pelia</i>	Crustacean
Marine	Mudflat Fiddler Crab	<i>Minuca rapax</i>	Crustacean
Marine	Green Clinging Crab	<i>Mithraculus sculptus</i>	Crustacean
Marine	Mantis shrimp	<i>Order Stomatopoda</i>	Crustacean
Marine	Red Reef Hermit	<i>Paguristes cadenati</i>	Crustacean
Marine	Caribbean Spiny lobster	<i>Panulirus argus</i>	Crustacean
Marine	Spotted Spiny Lobster	<i>Panulirus guttatus</i>	Crustacean
Marine	Nodose Rubble Crab	<i>Paractaea rufopunctata</i>	Crustacean
Marine	Nimble Spray Crab	<i>Percnon gibbesi</i>	Crustacean
Marine	Sargassum Swimming Crab	<i>Portunus sayi</i>	Crustacean
Marine	Banded coral shrimp	<i>Stenopus hispidus</i>	Crustacean
Marine	Yellowline arrow crab	<i>Stenorhynchus seticornis</i>	Crustacean
Marine	White claw crab (red and black)		Crustacean
Marine	Atlantic sergeant major	<i>Abudefduf saxatilis</i>	Fish
Marine	Night sergeant	<i>Abudefduf taurus</i>	Fish
Marine	Honeycomb Cowfish	<i>Acanthostracion polygonium</i>	Fish
Marine	Atlantic Blue Tang	<i>Acanthurus coeruleus</i>	Fish
Marine	Caribbean Ocean Surgeonfish	<i>Acanthurus tractus</i>	Fish
Marine	Spotted Eagle Ray	<i>Aetobatus narinari</i>	Fish
Marine	Scrawled Filefish	<i>Aluterus scriptus</i>	Fish
Marine	Porkfish	<i>Anisotremus virginicus</i>	Fish
Marine	Western Atlantic Trumpetfish (blue and yellow versions)	<i>Aulostomus maculatus</i>	Fish
Marine	Creole wrasse	<i>Bodianus parrae</i>	Fish
Marine	Spanish Hogfish	<i>Bodianus rufus</i>	Fish
Marine	Smallmouth grunt	<i>Brachygenys chrysargyrea</i>	Fish
Marine	White spotted file fish	<i>Cantherhines macrocerus</i>	Fish
Marine	Orangespotted filefish	<i>Cantherhines pullus</i>	Fish
Marine	Caribbean sharpnose puffer	<i>Canthigaster rostrata</i>	Fish
Marine	Yellow Jack	<i>Caranx bartholomaei</i>	Fish
Marine	Crevalle Jack	<i>Caranx hippos</i>	Fish
Marine	Bar jack	<i>Caranx ruber</i>	Fish
Marine	Black Snook	<i>Centropomus nigrescens</i>	Fish
Marine	Common Snook	<i>Centropomus undecimalis</i>	Fish
Marine	Graysby	<i>Cephalopholis cruentata</i>	Fish
Marine	Coney	<i>Cephalopholis fulva</i>	Fish
Marine	Four eyed butterflyfish	<i>Chaetodon capistratus</i>	Fish
Marine	Spotfin Butterflyfish	<i>Chaetodon ocellatus</i>	Fish
Marine	Banded butterflyfish	<i>Chaetodon striatus</i>	Fish
Marine	Blue Chromis	<i>Chromis cyanea</i>	Fish
Marine	Sunshinefish	<i>Chromis insolata</i>	Fish
Marine	Brown Chromis	<i>Chromis multilineata</i>	Fish
Marine	Bridled goby	<i>Coryphopterus claucofraenum</i>	Fish
Marine	Spotted Porcupinefish	<i>Diodon hystrix</i>	Fish

Marine	Chain Moray	<i>Echidna catenata</i>	Fish
Marine	Sharknose Goby	<i>Elactinus evelynae</i>	Fish
Marine	Ladyfish	<i>Elops saurus</i>	Fish
Marine	Rock Hind	<i>Epinephelus adscensionis</i>	Fish
Marine	Spotted drum	<i>Eques punctatus</i>	Fish
Marine	Spotfin Mojarra	<i>Eucinostomus argenteus</i>	Fish
Marine	Genus <i>Bathygobius</i>	<i>Genus Bathygobius</i>	Fish
Marine	Round herring	<i>Genus Jenkinsia</i>	Fish
Marine	seahorses (KK)	<i>Genus Hippocampus</i>	Fish
Marine	Green Moray	<i>Gymnothorax funebris</i>	Fish
Marine	Spotted Moray	<i>Gymnothorax moringa</i>	Fish
Marine	Caesar Grunt	<i>Haemulon carbonarium</i>	Fish
Marine	French Grunt	<i>Haemulon flavolineatum</i>	Fish
Marine	Spanish Grunt	<i>Haemulon macrostoma</i>	Fish
Marine	Cottonwick	<i>Haemulon melanurum</i>	Fish
Marine	Sailor's Choice	<i>Haemulon parra</i>	Fish
Marine	White Grunt	<i>Haemulon plumierii</i>	Fish
Marine	Bluestriped Grunt	<i>Haemulon sciurus</i>	Fish
Marine	Striped Grunt	<i>Haemulon striatum</i>	Fish
Marine	Boga	<i>Haemulon vittatum</i>	Fish
Marine	Slippery Dick	<i>Halichoeres bivittatus</i>	Fish
Marine	Yellowhead Wrasse	<i>Halichoeres garnoti</i>	Fish
Marine	Clown Wrasse	<i>Halichoeres maculipinna</i>	Fish
Marine	Puddingwife Wrasse	<i>Halichoeres radiatus</i>	Fish
Marine	Queen Angelfish	<i>Holacanthus ciliaris</i>	Fish
Marine	Rock beauty	<i>Holacanthus tricolor</i>	Fish
Marine	Squirrelfish	<i>Holocentrus adscensionis</i>	Fish
Marine	Longspine Squirrelfish	<i>Holocentrus rufus</i>	Fish
Marine	Southern stingray	<i>Hypanus americanus</i>	Fish
Marine	Yellowbelly Hamlet	<i>Hypoplectrus aberranas</i>	Fish
Marine	Golden hamlet	<i>Hypoplectrus gummigutta</i>	Fish
Marine	Barred Hamlet	<i>Hypoplectrus puella</i>	Fish
Marine	Brassy Drummer	<i>Kyphosus vaigiensis</i>	Fish
Marine	Hairy Blenny	<i>Labrisomus nuchipinnis</i>	Fish
Marine	Smooth Trunkfish	<i>Lactophrys triqueter</i>	Fish
Marine	Schoolmaster Snapper	<i>Lutjanus apodus</i>	Fish
Marine	Mahogany Snapper	<i>Lutjanus mahogoni</i>	Fish
Marine	Lane Snapper	<i>Lutjanus synagris</i>	Fish
Marine	Atlantic Tarpon	<i>Megalops atlanticus</i>	Fish
Marine	Yellowtail Damselfish	<i>Microspathodon chrysurus</i>	Fish
Marine	Mullet	<i>Mugil cephalus</i>	Fish
Marine	Yellow Goatfish	<i>Mulloidichthys martinicus</i>	Fish
Marine	Sharptail Eel	<i>Myrichthys breviceps</i>	Fish
Marine	Blackbar Soldierfish	<i>Myripristis jacobus</i>	Fish
Marine	Yellowtail snapper	<i>Ocyurus chrysurus</i>	Fish

Marine	Short-nose Batfish	<i>Ogcocephalus nasutus</i>	Fish
Marine	Atlantic Leatherjack	<i>Oligoplites saurus saurus</i>	Fish
Marine	Caribbean Redlip Blenny	<i>Ophioblennius macclurei</i>	Fish
Marine	Glassy Sweeper	<i>Pempheris schomburgkii</i>	Fish
Marine	Cardinal Soldierfish	<i>Plectrypops retrospinis</i>	Fish
Marine	Barbu Threadfin	<i>Polydactylus virginicus</i>	Fish
Marine	Grey Angelfish	<i>Pomacanthus arcuatus</i>	Fish
Marine	French Angelfish	<i>Pomacanthus paru</i>	Fish
Marine	Atlantic Bigeye	<i>Priacanthus arenatus</i>	Fish
Marine	Spotted Goatfish	<i>Pseudupeneus maculatus</i>	Fish
Marine	Common Lionfish	<i>Pterois volitans</i>	Fish
Marine	Striped parrotfish	<i>Scarus iseri</i>	Fish
Marine	Princess parrotfish	<i>Scarus taeniopterus</i>	Fish
Marine	Queen parrotfish	<i>Scarus vetula</i>	Fish
Marine	spotted scorpionfish	<i>Scorpaena plumieri</i>	Fish
Marine	Highfin amberjack	<i>Seriola rivoliana</i>	Fish
Marine	Tobaccofish	<i>Serranus tabacarius</i>	Fish
Marine	Harlequin bass	<i>Serranus tigrinus</i>	Fish
Marine	Redband parrotfish	<i>Sparisoma aurofrenatum</i>	Fish
Marine	Yellow tail parrotfish	<i>Sparisoma rubripinn</i>	Fish
Marine	Stoplight parrotfish	<i>Sparisoma viride</i>	Fish
Marine	Bandtail Puffer	<i>Sphoeroides spengleri</i>	Fish
Marine	Barracuda	<i>Sphyræna barracuda</i>	Fish
Marine	Dusky damselfish	<i>Stegastes adustus</i>	Fish
Marine	Beaugregory	<i>Stegastes leucostictus</i>	Fish
Marine	Bicolor damselfish	<i>Stegastes partitus</i>	Fish
Marine	Threespot damselfish	<i>Stegastes planifrons</i>	Fish
Marine	Caribbean Cocoa Damselfish	<i>Stegastes xanthurus</i>	Fish
Marine	Longfin damselfish	<i>Stgastes dienciaeus</i>	Fish
Marine	Sand diver	<i>Synodus intermedius</i>	Fish
Marine	Caribbean bluehead wrasse	<i>Thalassoma bifasciatum</i>	Fish
Marine	Toadfish	<i>Thalassophryne nattereri</i>	Fish
Marine	Florida pompano	<i>Trachinotus carolinus</i>	Fish
Marine	Palometa pompano	<i>Trachinotus goodei</i>	Fish
Marine	Sand drum	<i>Umbrina coroides</i>	Fish
Marine	Split-crown feather duster	<i>Anamobaea orstedii</i>	Invertebrates
Marine	Southern moon jelly	<i>Aurelia marginalis</i>	Invertebrates
Marine	Social Feather duster worm	<i>Bispira brunnea</i>	Invertebrates
Marine	Polychaete worm	<i>Class Polychaeta</i>	Invertebrates
Marine	Atlantic Long-spine Urchin	<i>Diadema antillarum</i>	Invertebrates
Marine	Atlantic Rock-boring Urchin	<i>Echinometra lucunter</i>	Invertebrates
Marine	Sea cucumber (dark reddish colour)	<i>Genus Holothuria</i>	Invertebrates
Marine	Bearded Fireworm	<i>Hermodice carunculata</i>	Invertebrates
Marine	Donkey Dung Sea Cucumber	<i>Holothuria mexicana</i>	Invertebrates
Marine	Chocolate chip sea cucumber	<i>Isostichopus badionotus</i>	Invertebrates

Marine	Hidden Anemone	<i>Lebrunia coralligens</i>	Invertebrates
Marine	Guilding's Sea Star	<i>Linckia guildingi</i>	Invertebrates
Marine	Blunt-spined Brittle Star	<i>Ophiocoma echinata</i>	Invertebrates
Marine	Red Cushion Sea Star	<i>Oreaster reticulatus</i>	Invertebrates
Marine	Magnificent Feather Duster Worm	<i>Sabellastarte magnifica</i>	Invertebrates
Marine	Caribbean christmas tree worm	<i>Spirobranchus giganteus</i>	Invertebrates
Marine	Worms (no further description)		Invertebrates
Marine	Brittle star (light green)		Invertebrates
Marine	West Indian Fuzzy Chiton	<i>Acanthopleura granulata</i>	Molluscs
Marine	Queen Conch	<i>Aliger gigas</i>	Molluscs
Marine	Atlantic strawberry cockle	<i>Americardia media</i>	Molluscs
Marine	Atlantic Triton Snail	<i>Charonia variegata</i>	Molluscs
Marine	West indian murex	<i>Chicoreus brevifrons</i>	Molluscs
Marine	West indian top shell	<i>Cittarium pica</i>	Molluscs
Marine	Bivalves	<i>Class Bivalvia</i>	Molluscs
Marine	Tiger lucine	<i>Codakia orbicularis</i>	Molluscs
Marine	Rough file clams	<i>Ctenoides scaber</i>	Molluscs
Marine	Flamingo tongue snail	<i>Cyphoma gibbosum</i>	Molluscs
Marine	reticulated cowry helmet	<i>Cypraeassis testiculus</i>	Molluscs
Marine	Wedge shell	<i>Donax sp. denticulatus</i>	Molluscs
Marine	Lettuce Sea Slug	<i>Elysia crispata</i>	Molluscs
Marine	Sea Hares	<i>Family Aplysiidae</i>	Molluscs
Marine	Cockles	<i>Family Cardiidae</i>	Molluscs
Marine	Keyhole Limpets	<i>Family Fissurellidae</i>	Molluscs
Marine	Knobbed Keyhole Limpet	<i>Fissurella nodosa</i>	Molluscs
Marine	Periwinkle snails	<i>Genus Echinolittorina</i>	Molluscs
Marine	Carved star shell	<i>Lithopoma caelatum</i>	Molluscs
Marine	West Indian Starsnail	<i>Lithopoma tectum</i>	Molluscs
Marine	hawkwing conch	<i>Lobatus raninus</i>	Molluscs
Marine	Checkered Nerite	<i>Nerita tessellata</i>	Molluscs
Marine	Caribbean Reef Octopus	<i>Octopus briareus</i>	Molluscs
Marine	Oysters and Allies	<i>Order Ostreida</i>	Molluscs
Marine	Venus clam	<i>Periglypta listeri</i>	Molluscs
Marine	Amber Pen Shell	<i>Pinna carnea</i>	Molluscs
Marine	caribbean reef squid (mh)	<i>Sepioteuthis sepioidea</i>	Molluscs
Marine	Atlantic Thorny Oyster	<i>Spondylus americanus</i>	Molluscs
Marine	venus shell	<i>Tivela mactroides</i>	Molluscs
Marine	Music volute	<i>Voluta musica</i>	Molluscs
Marine	Bivalves/Oysters and Allies?		Molluscs
Marine	Black Mangrove	<i>Avicennia germinans</i>	Plants
Marine	Sea Grapes	<i>Caulerpa racemosa</i>	Plants
Marine	Turtle Grass	<i>Thalassia testudinum</i>	Plants
Plants		<i>Asystasia gangetica</i>	Acanthaceae
Plants		<i>Avicennia germinans</i>	Acanthaceae
Plants		<i>Avicennia schaueriana</i>	Acanthaceae

Plants		<i>Blechum pyramidatum</i>	Acanthaceae
Plants		<i>Pseuderanthemum carruthersii</i>	Acanthaceae
Plants		<i>Ruellia tuberosa</i>	Acanthaceae
Plants		<i>Thunbergia grandiflora</i>	Acanthaceae
Plants		<i>phlogacanthus turgidus</i>	Acanthaceae
Plants		<i>Sesuvium portulacastrum</i>	Aizoaceae
Plants		<i>Aloe vera</i>	Aloaceae
Plants		<i>Achyranthes aspera</i>	Amaranthaceae
Plants		<i>Amaranthus spinosus</i>	Amaranthaceae
Plants		<i>Blutaparon vermiculare</i>	Amaranthaceae
Plants		<i>Gomphrena</i>	Amaranthaceae
Plants		<i>Amaranthus viridis</i>	Amaranthaceae
Plants		<i>Allium sp.</i>	Amaryllidaceae
Plants		<i>Hymenocallis tubiflora</i>	Amaryllidaceae
Plants		<i>Mangifera indica</i>	Anacardiaceae
Plants		<i>Spondias mombin</i>	Anacardiaceae
Plants		<i>Spondias purpurea</i>	Anacardiaceae
Plants		<i>Annona muricata</i>	Annonaceae
Plants		<i>Allamanda cathartica</i>	Apocynaceae
Plants		<i>Calotropis gigantea</i>	Apocynaceae
Plants		<i>Catharanthus sp. (aff. roseus)</i>	Apocynaceae
Plants		<i>Marsdenia macrophylla</i>	Apocynaceae
Plants		<i>Plumeria pudica</i>	Apocynaceae
Plants		<i>Plumeria rubra</i>	Apocynaceae
Plants		<i>Diffenbachia sp.</i>	Araceae
Plants		<i>Epipremnum aureum</i>	Araceae
Plants		<i>Monstera obliqua</i>	Araceae
Plants		<i>Montrichardia arborescens</i>	Araceae
Plants		<i>Philodendron sp.</i>	Araceae
Plants		<i>Unidentified 1</i>	Araceae
Plants		<i>Unidentified 2</i>	Araceae
Plants		<i>Zamioculcassp.</i>	Araceae
Plants		<i>Schefflera elegantissima</i>	Araliaceae
Plants		<i>Schefflera heptaphylla</i>	Araliaceae
Plants		<i>Acrocomia aculeata</i>	Arecaceae
Plants		<i>Adonidia merrillii</i>	Arecaceae
Plants		<i>Bactris gasipaes</i>	Arecaceae
Plants		<i>Bismarckia nobilis</i>	Arecaceae
Plants		<i>Caryota mitis</i>	Arecaceae
Plants		<i>Cocos nucifera</i>	Arecaceae
Plants		<i>Dyopsis lutescens</i>	Arecaceae
Plants		<i>Euterpe sp.</i>	Arecaceae
Plants		<i>Livistona chinensis</i>	Arecaceae
Plants		<i>Roystonea oleracea</i>	Arecaceae

Plants		<i>Roystonea regia</i>	Arecaceae
Plants		<i>Sabal sp.</i>	Arecaceae
Plants		<i>Thrinax radiata</i>	Arecaceae
Plants		<i>Agave angustifolia</i>	Asparagaceae
Plants		<i>Agave beauleriana</i>	Asparagaceae
Plants		<i>Sansevieria hyacinthoides</i>	Asparagaceae
Plants		<i>Acanthospermum hispidum</i>	Asteraceae
Plants		<i>Bidens pilosa</i>	Asteraceae
Plants		<i>Chromolaena odorata</i>	Asteraceae
Plants		<i>Cyanthillium cinereum</i>	Asteraceae
Plants		<i>Cyrtocymura scorpioides</i>	Asteraceae
Plants		<i>Lactuca sativa</i>	Asteraceae
Plants		<i>Pluchea carolinensis</i>	Asteraceae
Plants		<i>Sphagneticola trilobata</i>	Asteraceae
Plants		<i>Synedrella nodiflora</i>	Asteraceae
Plants		<i>Tagetes erecta</i>	Asteraceae
Plants		<i>Wedelia trilobata</i>	Asteraceae
Plants		<i>Wulffia baccata</i>	Asteraceae
Plants		<i>Crescentia cujete</i>	Bignoniaceae
Plants		<i>Macfadyena unguis-cati</i>	Bignoniaceae
Plants		<i>Tabebuia chrysantha</i>	Bignoniaceae
Plants		<i>Cordia collococca</i>	Boraginaceae
Plants		<i>Cordia curassavica</i>	Boraginaceae
Plants		<i>Cordia dichotoma</i>	Boraginaceae
Plants		<i>Tournefortia hirsutissima</i>	Boraginaceae
Plants		<i>Brassica oleracea</i>	Brassicaceae
Plants		<i>Aechmea aquilega var. aquilega</i>	Bromeliaceae
Plants		<i>Guzmania lingulata</i>	Bromeliaceae
Plants		<i>Tillandsia flexuosa</i>	Bromeliaceae
Plants		<i>Bursera simaruba</i>	Burseraceae
Plants		<i>Acanthocereus tetragonus</i>	Cactaceae
Plants		<i>Hylocereus lemairei</i>	Cactaceae
Plants		<i>Opuntia cochenillifera</i>	Cactaceae
Plants		<i>Rhipsalis baccifera</i>	Cactaceae
Plants		<i>Trema micrantha</i>	Cannabaceae
Plants		<i>Capparis flexuosa</i>	Capparaceae
Plants		<i>Cynophalla verrucosa</i>	Capparaceae
Plants		<i>Carica papaya</i>	Caricaceae
Plants		<i>Caulerpa sp.</i>	Caulerpaceae
Plants		<i>Cladophora sp.</i>	Cladophoraceae
Plants		<i>Combretum indicum</i>	Combretaceae
Plants	button wood	<i>Conocarpus erectus</i>	Combretaceae
Plants	White Mangrove	<i>Laguncularia racemosa</i>	Combretaceae
Plants		<i>Terminalia amazonia</i>	Combretaceae
Plants		<i>Terminalia catappa</i>	Combretaceae

Plants		<i>Commelina erecta</i>	Commelinaceae
Plants		<i>Commelina sp.</i>	Commelinaceae
Plants		<i>Dichorisandra hexandra</i>	Commelinaceae
Plants		<i>Tradescantia pallida</i>	Commelinaceae
Plants		<i>Tradescantia sp.</i>	Commelinaceae
Plants		<i>Tradescantia spathaceae</i>	Commelinaceae
Plants		<i>Tradescantia zanonina</i>	Commelinaceae
Plants		<i>Kalanchoe pinnata</i>	Crassulaceae
Plants		<i>Citrullus lanatus</i>	Cucurbitaceae
Plants		<i>Coccinia grandis</i>	Cucurbitaceae
Plants		<i>Momordica charantia</i>	Cucurbitaceae
Plants		<i>Psiguria umbrosa</i>	Cucurbitaceae
Plants		<i>Cyperus ligularis</i>	Cyperaceae
Plants		<i>Rhynchospora nervosa</i>	Cyperaceae
Plants		<i>Scleria melaleuca</i>	Cyperaceae
Plants		<i>Dictyota sp.</i>	Dictyotaceae
Plants		<i>Padina sp.</i>	Dictyotaceae
Plants		<i>Diospyros inconstans</i>	Ebenaceae
Plants		<i>Cnidocolus urens</i>	Euphorbiaceae
Plants		<i>Euphorbia heterophylla</i>	Euphorbiaceae
Plants		<i>Euphorbia hypericifolia</i>	Euphorbiaceae
Plants		<i>Euphorbia milii</i>	Euphorbiaceae
Plants		<i>Euphorbia tithymaloides</i>	Euphorbiaceae
Plants		<i>Hippomane mancinella</i>	Euphorbiaceae
Plants		<i>Jatropha gossypifolia</i>	Euphorbiaceae
Plants		<i>Jatropha integerrima</i>	Euphorbiaceae
Plants		<i>Jatropha multifida</i>	Euphorbiaceae
Plants		<i>Pedilanthus tithymaloides</i>	Euphorbiaceae
Plants		<i>Sapium glandulosum</i>	Euphorbiaceae
Plants		<i>Tragia volubilis</i>	Euphorbiaceae
Plants		<i>Abrus precatorius</i>	Fabaceae
Plants		<i>Albizia niopoides var. niopoides</i>	Fabaceae
Plants		<i>Andira inermis ssp. inermis</i>	Fabaceae
Plants		<i>Caesalpinia Pulcherrima</i>	Fabaceae
Plants		<i>Canavalia rosea</i>	Fabaceae
Plants		<i>Delonix regia</i>	Fabaceae
Plants		<i>Desmodium incanum</i>	Fabaceae
Plants		<i>Desmodium sp. 2</i>	Fabaceae
Plants		<i>Entada polystachya</i>	Fabaceae
Plants		<i>Erythrina pallida</i>	Fabaceae
Plants		<i>Flemingia strobilifera</i>	Fabaceae
Plants		<i>Gliricidia sepium</i>	Fabaceae
Plants		<i>Leucaena leucocephala</i>	Fabaceae
Plants		<i>Mimosa pudica</i>	Fabaceae
Plants		<i>Piscidia carthagenensis</i>	Fabaceae

Plants		<i>Pithecellobium unguis-cati</i>	Fabaceae
Plants		<i>Samanea saman</i>	Fabaceae
Plants		<i>Senna bacillaris</i>	Fabaceae
Plants		<i>Sesbania sericea</i>	Fabaceae
Plants		<i>unidentified 1</i>	Fabaceae
Plants		<i>unidentified 2</i>	Fabaceae
Plants		<i>unidentified 3</i>	Fabaceae
Plants		<i>Vachellia farnesiana</i>	Fabaceae
Plants		<i>Halimeda sp.</i>	Halimedaceae
Plants		<i>Heliconia bihai</i>	Heliconiaceae
Plants		<i>Heliconia sp.</i>	Heliconiaceae
Plants		<i>Hypoxis decumbens</i>	Hypoxidaceae
Plants		<i>Cuphea hyssopifolia</i>	Lythraceae
Plants		<i>Ceiba pentandra</i>	Malvaceae
Plants		<i>Gossypium cultivars</i>	Malvaceae
Plants		<i>Guazuma ulmifolia</i>	Malvaceae
Plants		<i>Malachra fasciata</i>	Malvaceae
Plants		<i>Melochia nodiflora</i>	Malvaceae
Plants		<i>Sida acuta</i>	Malvaceae
Plants		<i>Sida glomerata</i>	Malvaceae
Plants		<i>Thespesia populnea</i>	Malvaceae
Plants		<i>Cedrela odorata</i>	Meliaceae
Plants		<i>Swietenia macrophylla</i>	Meliaceae
Plants		<i>Swietenia mahogani</i>	Meliaceae
Plants		<i>Cissampelos pareira</i>	Menispermaceae
Plants		<i>Neptunia sp.</i>	Mimosoideae
Plants		<i>Artocarpus attilis</i>	Moraceae
Plants		<i>Castilla elastica sp. elastica</i>	Moraceae
Plants		<i>Ficus sp.</i>	Moraceae
Plants		<i>Maclura tinctoria</i>	Moraceae
Plants		<i>Musa accuminata</i>	Musaceae
Plants		<i>Musa laterita</i>	Musaceae
Plants		<i>Musa ornata</i>	Musaceae
Plants		<i>Melaleuca sp.</i>	Myrtaceae
Plants		<i>Pimenta racemosa</i>	Myrtaceae
Plants		<i>Psidium guajava</i>	Myrtaceae
Plants		<i>Bougainvillea spectabilis</i>	Nyctaginaceae
Plants		<i>Nymphaea nouchali</i>	Nymphaeaceae
Plants		<i>Nymphaeasp.</i>	Nymphaeaceae
Plants		<i>Ludwigia octovalvis</i>	Onagraceae
Plants		<i>Eulophia maculata</i>	Orchidaceae
Plants		<i>Averrhoa carambola</i>	Oxalidaceae
Plants		<i>Oxalis corniculata</i>	Oxalidaceae
Plants		<i>Pandanus sp.</i>	Pandanaceae
Plants		<i>Zea mays</i>	Panicoideae

Plants		<i>Passiflora sp.</i>	Passifloraceae
Plants		<i>Rivinia humilis</i>	Petiveriaceae
Plants		<i>Phyllanthus urinaria</i>	Phyllanthaceae
Plants		<i>Trichostigma octandrum</i>	Phytolaccaceae
Plants		<i>Pepperomia pellucida</i>	Piperaceae
Plants		<i>Piper peltatum</i>	Piperaceae
Plants		<i>Piper sp.</i>	Piperaceae
Plants		<i>Capraria biflora</i>	Plantaginaceae
Plants		<i>Russelia equisetiformis</i>	Plantaginaceae
Plants		<i>Plumbago scandens</i>	Plumbaginaceae
Plants		<i>Axonopus compressus</i>	Poaceae
Plants		<i>Bambusa vulgaris</i>	Poaceae
Plants		<i>Chloris barbata</i>	Poaceae
Plants		<i>Cynodon dactylon</i>	Poaceae
Plants		<i>Eleusine indica</i>	Poaceae
Plants		<i>Lasiacis ligulata</i>	Poaceae
Plants		<i>Megathyrsus maximus</i>	Poaceae
Plants		<i>Paspalum distichum</i>	Poaceae
Plants		<i>Saccharum officinarum</i>	Poaceae
Plants		<i>Sorghum halepense</i>	Poaceae
Plants		Unidentified 1	Poaceae
Plants		Unidentified 2	Poaceae
Plants		Unidentified 3	Poaceae
Plants		Unidentified 4	Poaceae
Plants		Unidentified 5	Poaceae
Plants		<i>Vetiveria zizanioides</i>	Poaceae
Plants		<i>Acrostichum aureum</i>	Pteridaceae
Plants		<i>Clematis</i>	Ranunculaceae
Plants		<i>Ziziphus mauritiana</i>	Rhamnaceae
Plants	red mangrove	<i>Rhizophora mangle</i>	Rhizophoraceae
Plants		<i>Eumachia microdon</i>	Rubiaceae
Plants		<i>Genipa americana</i>	Rubiaceae
Plants		<i>Morinda citrifolia</i>	Rubiaceae
Plants		<i>Randia aculeata</i>	Rubiaceae
Plants		<i>Citrus deliciosa</i>	Rutaceae
Plants		<i>Majidea zanguebarica</i>	Sapindaceae
Plants		<i>Melicoccus bijugatus</i>	Sapindaceae
Plants		<i>Paullinia fuscescens</i>	Sapindaceae
Plants		<i>Sargassum sp.</i>	Sargassaceae
Plants		<i>Sargassum polyceratium ovatum</i>	Sargassaceae
Plants		<i>Leucophyllum</i>	Scrophulariaceae
Plants		<i>Sebdenia sp.</i>	Sebdeniaceae
Plants		<i>Smilax cumanensis</i>	Smilacaceae
Plants		<i>Capsicum sp.</i>	Solanaceae
Plants		<i>Solanum torvum</i>	Solanaceae

Plants		<i>Spyridia sp.</i>	Spyridiaceae
Plants		<i>Trentepohlia sp.</i>	Trentepohliaceae
Plants		<i>Ulva sp. (aff. Lactuca)</i>	Ulvaceae
Plants		<i>Cecropia peltata</i>	Urticaceae
Plants		<i>Citharexylum spinosum</i>	Verbenaceae
Plants		<i>Lantana camara</i>	Verbenaceae
Plants		<i>Lantana involucrata</i>	Verbenaceae
Plants		<i>Priva lappulacea</i>	Verbenaceae
Plants		<i>Stachytarpheta jamaicensis</i>	Verbenaceae
Plants		<i>Cissus verticillata</i>	Vitaceae
Plants		Unidentified 1	Zosteraceae
Plants		<i>Spirogyra sp.</i>	Zygnemataceae
Plants		<i>Kallstroemia pubescens</i>	Zygophyllaceae
Terrestrial Invertebrates		<i>Acacesia sp</i>	Arachnida
Terrestrial Invertebrates		<i>Acanthoctenus</i>	Arachnida
Terrestrial Invertebrates	scorpion	<i>Ananteris cussinii</i>	Arachnida
Terrestrial Invertebrates		<i>Ancylometes bogotensis</i>	Arachnida
Terrestrial Invertebrates	Ghost Spiders	<i>Anyphaenidae</i>	Arachnida
Terrestrial Invertebrates	Typical Orbweavers	<i>Araneinae</i>	Arachnida
Terrestrial Invertebrates	scorpion	<i>Broteochactas sp Loiei</i>	Arachnida
Terrestrial Invertebrates	Ground and Ant-mimic Sac Spiders	<i>Corinnidae</i>	Arachnida
Terrestrial Invertebrates	jumping spider	<i>Corythalia sp</i>	Arachnida
Terrestrial Invertebrates	trashline orbweaver	<i>Cyclosa sp</i>	Arachnida
Terrestrial Invertebrates	Trinidad Dwarf Tiger Tarantula	<i>Cyriocosmus elegans</i>	Arachnida
Terrestrial Invertebrates	Meshweaver spider	<i>Dictynidae sp</i>	Arachnida
Terrestrial Invertebrates	Orbweaver	<i>Eustala sp</i>	Arachnida
Terrestrial Invertebrates	Spinybacked Orbweaver	<i>Gasteracantha cancriformis</i>	Arachnida
Terrestrial Invertebrates		<i>Gelanor</i>	Arachnida
Terrestrial Invertebrates	Trinidad Pink Tarantula	<i>Holothele longipes</i>	Arachnida
Terrestrial Invertebrates		<i>Ischnothele caudata</i>	Arachnida
Terrestrial Invertebrates	Grass Orb-web Spiders	<i>Larinia</i>	Arachnida
Terrestrial Invertebrates	Orchard Spiders and Allies	<i>Leucauge</i>	Arachnida
Terrestrial Invertebrates	orchard spider	<i>Leucauge orgyra</i>	Arachnida
Terrestrial Invertebrates	MabelOrchard spider	<i>Leucauge orgyrobanta</i>	Arachnida
Terrestrial Invertebrates	wolf spider	<i>Lycosidae sp 1</i>	Arachnida
Terrestrial Invertebrates	wolf spider	<i>Lycosidae sp 2</i>	Arachnida
Terrestrial Invertebrates		<i>Lycosinae</i>	Arachnida
Terrestrial Invertebrates	Wolf Spiders and Allies	<i>Lycosoidea</i>	Arachnida
Terrestrial Invertebrates		<i>Mangora</i>	Arachnida
Terrestrial Invertebrates	Orbweaver	<i>Mangora spp</i>	Arachnida
Terrestrial Invertebrates	Gray Wall Jumping Spider	<i>Menemerus bivittatus</i>	Arachnida
Terrestrial Invertebrates	Huntsman spider (Sparassidae)	<i>Meri sp.</i>	Arachnida
Terrestrial Invertebrates		<i>Metazygia</i>	Arachnida
Terrestrial Invertebrates	orb weaver spider	<i>Metepeira sp</i>	Arachnida

Terrestrial Invertebrates		<i>Neoctenus</i>	Arachnida
Terrestrial Invertebrates	jumping spider	<i>Salticidae sp 1</i>	Arachnida
Terrestrial Invertebrates		<i>Scopocirini</i>	Arachnida
Terrestrial Invertebrates	Spitting Spiders	<i>Scytodidae</i>	Arachnida
Terrestrial Invertebrates	Bark hunters	<i>Senoculus</i>	Arachnida
Terrestrial Invertebrates	Huntsman Spiders	<i>Sparassidae</i>	Arachnida
Terrestrial Invertebrates		<i>Thaumasia</i>	Arachnida
Terrestrial Invertebrates	Buthidae scorpion	<i>Tityus stigmurus</i>	Arachnida
Terrestrial Invertebrates	Thick-tailed scorpions	<i>Tityus trinitatis</i>	Arachnida
Terrestrial Invertebrates	Octopus Spiders	<i>Tmarus</i>	Arachnida
Terrestrial Invertebrates	Golden Silk Spider	<i>Trichonephila clavipes</i>	Arachnida
Terrestrial Invertebrates	Hackled Orbweavers	<i>Uloboridae</i>	Arachnida
Terrestrial Invertebrates	spider	<i>Uloborus sp</i>	Arachnida
Terrestrial Invertebrates		<i>Wagneriana</i>	Arachnida
Terrestrial Invertebrates		<i>Abracrini</i>	Insecta
Terrestrial Invertebrates	Short-horned Grasshoppers	<i>Acrididae</i>	Insecta
Terrestrial Invertebrates	Grass Tubeworm Moths	<i>Acrolophus</i>	Insecta
Terrestrial Invertebrates		<i>Adesmus</i>	Insecta
Terrestrial Invertebrates		<i>Aedes</i>	Insecta
Terrestrial Invertebrates	Flea Beetles	<i>Alticini</i>	Insecta
Terrestrial Invertebrates	Broad-headed Bugs	<i>Alydidae</i>	Insecta
Terrestrial Invertebrates	Red Peacock	<i>Anartia amathea</i>	Insecta
Terrestrial Invertebrates		<i>Ancylostomia stercorea</i>	Insecta
Terrestrial Invertebrates		<i>Andrenosomatini</i>	Insecta
Terrestrial Invertebrates	Dragonflies	<i>Anisoptera</i>	Insecta
Terrestrial Invertebrates	Narrow-waisted Wasps, Ants, and Bees	<i>Apocrita</i>	Insecta
Terrestrial Invertebrates		<i>Arachnocephalina</i>	Insecta
Terrestrial Invertebrates	dancer damselfly	<i>Argia sp 1</i>	Insecta
Terrestrial Invertebrates	dancer damselfly	<i>Argia sp 2</i>	Insecta
Terrestrial Invertebrates	Black Witch	<i>Ascalapha odorata</i>	Insecta
Terrestrial Invertebrates		<i>Ataenius</i>	Insecta
Terrestrial Invertebrates		<i>Atomosia</i>	Insecta
Terrestrial Invertebrates		<i>Azeta melanea</i>	Insecta
Terrestrial Invertebrates	Polydamas Swallowtail	<i>Battus polydamas</i>	Insecta
Terrestrial Invertebrates	Giant and Wood Cockroaches	<i>Blaberoidea</i>	Insecta
Terrestrial Invertebrates	cockroach	<i>Blaberus sp</i>	Insecta
Terrestrial Invertebrates		<i>Bladina</i>	Insecta
Terrestrial Invertebrates	Household Cockroaches	<i>Blattidae</i>	Insecta
Terrestrial Invertebrates	Bent-winged Owlet	<i>Bleptina caradrinalis</i>	Insecta
Terrestrial Invertebrates	Tawny Pennant	<i>Brachymesia herbida</i>	Insecta
Terrestrial Invertebrates		<i>Brachyomus</i>	Insecta
Terrestrial Invertebrates		<i>Brentinae</i>	Insecta
Terrestrial Invertebrates	long snouted weevil	<i>Brentus sp</i>	Insecta
Terrestrial Invertebrates		<i>Brontostoma</i>	Insecta
Terrestrial Invertebrates	Orcus Checkered-Skipper	<i>Burnsius orcus</i>	Insecta

Terrestrial Invertebrates		<i>Calephelis laverna</i>	Insecta
Terrestrial Invertebrates	Juventus Skipper	<i>Callimormus juvenus</i>	Insecta
Terrestrial Invertebrates	Saturnus Skipper	<i>Callimormus saturnus</i>	Insecta
Terrestrial Invertebrates		<i>Calycopidina</i>	Insecta
Terrestrial Invertebrates		<i>Calycopis origo</i>	Insecta
Terrestrial Invertebrates	Calyprate Flies	<i>Calypratae</i>	Insecta
Terrestrial Invertebrates	Carpenter Ants, Typical Sugar Ants and Allies	<i>Camponotus</i>	Insecta
Terrestrial Invertebrates	Six-spotted Carpenter Ant	<i>Camponotus sexguttatus</i>	Insecta
Terrestrial Invertebrates		<i>Catorhintha</i>	Insecta
Terrestrial Invertebrates	Typical Longhorn Beetles	<i>Cerambycinae</i>	Insecta
Terrestrial Invertebrates	Jewel Bug	<i>Cetoniinae sp.</i>	Insecta
Terrestrial Invertebrates	Chalcidoid Wasps	<i>Chalcidoidea</i>	Insecta
Terrestrial Invertebrates		<i>Chalepus</i>	Insecta
Terrestrial Invertebrates		<i>Chromatonotus</i>	Insecta
Terrestrial Invertebrates	Leaf Beetles	<i>Chrysomelidae</i>	Insecta
Terrestrial Invertebrates	Typical Leafhoppers	<i>Cicadellidae</i>	Insecta
Terrestrial Invertebrates	two-pupil satyr	<i>Cissia themis</i>	Insecta
Terrestrial Invertebrates		<i>Coenobela paucula</i>	Insecta
Terrestrial Invertebrates		<i>Compsolechia</i>	Insecta
Terrestrial Invertebrates	Lesser Meadow Katydids	<i>Conocephalus</i>	Insecta
Terrestrial Invertebrates	Coneheads	<i>Copiphorini</i>	Insecta
Terrestrial Invertebrates		<i>Cosmosoma remota</i>	Insecta
Terrestrial Invertebrates	Grass-veneers and Allies	<i>Crambinae</i>	Insecta
Terrestrial Invertebrates		<i>Creoxylus spinosus</i>	Insecta
Terrestrial Invertebrates	Mosquitoes	<i>Culicidae</i>	Insecta
Terrestrial Invertebrates	Snout and Bark Beetles	<i>Curculionoidea</i>	Insecta
Terrestrial Invertebrates	milkweed butterfly	<i>Danaus plexippus</i>	Insecta
Terrestrial Invertebrates	Hanging-thieves	<i>Diogmites</i>	Insecta
Terrestrial Invertebrates	Gulf Fritillary	<i>Dione vanillae</i>	Insecta
Terrestrial Invertebrates	stick insects	<i>Diopheromerinae spp</i>	Insecta
Terrestrial Invertebrates	White Sailor	<i>Dynamine theseus</i>	Insecta
Terrestrial Invertebrates	Cotton Stainer Bugs	<i>Dysdercus</i>	Insecta
Terrestrial Invertebrates		<i>Elaphria agrotina</i>	Insecta
Terrestrial Invertebrates	Click Beetles	<i>Elateridae</i>	Insecta
Terrestrial Invertebrates	Click, Firefly, and Soldier Beetles	<i>Elateroidea</i>	Insecta
Terrestrial Invertebrates	Broad-nosed Weevils	<i>Entiminae</i>	Insecta
Terrestrial Invertebrates	Alope sphinx	<i>Erinnyis alope alope</i>	Insecta
Terrestrial Invertebrates	pleasing fungus beetle	<i>Erotylinea sp</i>	Insecta
Terrestrial Invertebrates	Pin-tailed Pondhawk	<i>Erythemis plebeja</i>	Insecta
Terrestrial Invertebrates	Band-winged dragonlet	<i>Erythrodiplox umbrata</i>	Insecta
Terrestrial Invertebrates	Red-faced Dragonlet	<i>Erythrodiplox fusca</i>	Insecta
Terrestrial Invertebrates	Band-winged Dragonlet	<i>Erythrodiplox umbrata</i>	Insecta
Terrestrial Invertebrates		<i>Eucereon maia</i>	Insecta
Terrestrial Invertebrates	isabella heliconian	<i>Eueides isabella</i>	Insecta
Terrestrial Invertebrates		<i>Eumolpinae</i>	Insecta

Terrestrial Invertebrates	Zebra Cockroach	<i>Eurycotis decipiens</i>	Insecta
Terrestrial Invertebrates	Formicine Ants	<i>Formicinae</i>	Insecta
Terrestrial Invertebrates	Fritillaries and Longwings	<i>Heliconiinae</i>	Insecta
Terrestrial Invertebrates	Red Postman	<i>Heliconius erato</i>	Insecta
Terrestrial Invertebrates	Postman	<i>Heliconius melpomene</i>	Insecta
Terrestrial Invertebrates	Black Soldier Fly	<i>Hermetia illucens</i>	Insecta
Terrestrial Invertebrates	Dusky Herpetogramma Moth	<i>Herpetogramma phaeopteralis</i>	Insecta
Terrestrial Invertebrates		<i>Heza</i>	Insecta
Terrestrial Invertebrates		<i>Hippopsis</i>	Insecta
Terrestrial Invertebrates		<i>Hoplitimyia</i>	Insecta
Terrestrial Invertebrates	Spotted Beet Webworm Moth	<i>Hymenia perspectalis</i>	Insecta
Terrestrial Invertebrates		<i>Hypselonotus interruptus</i>	Insecta
Terrestrial Invertebrates		<i>Idaea cellifimbria</i>	Insecta
Terrestrial Invertebrates		<i>Idaea rufarenaria</i>	Insecta
Terrestrial Invertebrates		<i>Idaea triangulata</i>	Insecta
Terrestrial Invertebrates	Insects	<i>Insecta</i>	Insecta
Terrestrial Invertebrates	Forktails	<i>Ischnura</i>	Insecta
Terrestrial Invertebrates		<i>Jadera</i>	Insecta
Terrestrial Invertebrates	west indian buckeye	<i>Junonia evarete</i>	Insecta
Terrestrial Invertebrates		<i>Junonia genoveva</i>	Insecta
Terrestrial Invertebrates	Drywood Termites	<i>Kalotermitidae</i>	Insecta
Terrestrial Invertebrates	Fireflies	<i>Lampyridea sp.</i>	Insecta
Terrestrial Invertebrates	typical fireflies	<i>Lampyrinae</i>	Insecta
Terrestrial Invertebrates	Lauxaniid Flies	<i>Lauxaniidae</i>	Insecta
Terrestrial Invertebrates	Cassius Blue	<i>Leptotes cassius</i>	Insecta
Terrestrial Invertebrates	Skimmers	<i>Libellulidae</i>	Insecta
Terrestrial Invertebrates		<i>Lochmaeocles zonatus</i>	Insecta
Terrestrial Invertebrates	powderpost beetle	<i>Lyctinae sp</i>	Insecta
Terrestrial Invertebrates		<i>Macaria carpo</i>	Insecta
Terrestrial Invertebrates	Geometer moth	<i>Macariini spp</i>	Insecta
Terrestrial Invertebrates	Blue-gray Satyr	<i>Magneuptychia libye</i>	Insecta
Terrestrial Invertebrates	common meastra	<i>Meastra hersilia</i>	Insecta
Terrestrial Invertebrates	Orange-barred Pixie	<i>Melanis electron</i>	Insecta
Terrestrial Invertebrates	stingless bee	<i>Meliponini sp</i>	Insecta
Terrestrial Invertebrates	Fasciolated Graphic	<i>Melipotis fasciolaris</i>	Insecta
Terrestrial Invertebrates	June Beetles	<i>Melolonthinae</i>	Insecta
Terrestrial Invertebrates	June Beetles	<i>Melolonthinae</i>	Insecta
Terrestrial Invertebrates	flower beetle	<i>Melyridae sp</i>	Insecta
Terrestrial Invertebrates		<i>Mestra hersilia</i>	Insecta
Terrestrial Invertebrates	Dasher dragonfly	<i>Micrathya sp.</i>	Insecta
Terrestrial Invertebrates		<i>Miogryllus</i>	Insecta
Terrestrial Invertebrates		<i>Moca aphrodora</i>	Insecta
Terrestrial Invertebrates	Common House Fly	<i>Musca domestica</i>	Insecta
Terrestrial Invertebrates		<i>Myrapetra</i>	Insecta
Terrestrial Invertebrates		<i>Myrmobrachys</i>	Insecta

Terrestrial Invertebrates		<i>Nasutitermes</i>	Insecta
Terrestrial Invertebrates		<i>Nemoria pacificaria</i>	Insecta
Terrestrial Invertebrates		<i>Neomegalotomus</i>	Insecta
Terrestrial Invertebrates		<i>Neopamera</i>	Insecta
Terrestrial Invertebrates	Milky Backswimmers	<i>Notonecta</i>	Insecta
Terrestrial Invertebrates	Brush-footed Butterflies	<i>Nymphalidae</i>	Insecta
Terrestrial Invertebrates	Dragonflies and Damselflies	<i>Odonata</i>	Insecta
Terrestrial Invertebrates	Wine-tinted Oenobotys Moth	<i>Oenobotys vinotinctalis</i>	Insecta
Terrestrial Invertebrates	Bagworm	<i>Oiketicus kirbyi</i>	Insecta
Terrestrial Invertebrates		<i>Orphulellini</i>	Insecta
Terrestrial Invertebrates	Tropical King Skimmers	<i>Orthemis</i>	Insecta
Terrestrial Invertebrates	wandering glider	<i>Pantala flavescens</i>	Insecta
Terrestrial Invertebrates		<i>Paragrallomyia</i>	Insecta
Terrestrial Invertebrates	praying mantis	<i>Parastagmatoptera unipunctata</i>	Insecta
Terrestrial Invertebrates	Longhorn Crazy Ant	<i>Paratrechina longicornis</i>	Insecta
Terrestrial Invertebrates	White Satyr	<i>Pareuptychia ocirrhoe</i>	Insecta
Terrestrial Invertebrates	Bess Beetles	<i>Passalidae</i>	Insecta
Terrestrial Invertebrates		<i>Pedinini</i>	Insecta
Terrestrial Invertebrates	Stink Bugs	<i>Pentatomidae</i>	Insecta
Terrestrial Invertebrates	Pentatomomorph Bugs	<i>Pentatomomorpha</i>	Insecta
Terrestrial Invertebrates	Spider Crickets and Allies	<i>Phalangopsidae</i>	Insecta
Terrestrial Invertebrates	Leaf Katydids	<i>Phaneropterinae</i>	Insecta
Terrestrial Invertebrates		<i>Phanocles mutica</i>	Insecta
Terrestrial Invertebrates	Household Casebearer	<i>Phereoeca uterella</i>	Insecta
Terrestrial Invertebrates		<i>Phidotricha erigens</i>	Insecta
Terrestrial Invertebrates	Cloudless Sulphur	<i>Phoebis sennae</i>	Insecta
Terrestrial Invertebrates	Knot-horn Moths	<i>Phycitinae</i>	Insecta
Terrestrial Invertebrates		<i>Physula migralis</i>	Insecta
Terrestrial Invertebrates		<i>Pleminiiti</i>	Insecta
Terrestrial Invertebrates	Whirlabout	<i>Polites vibex</i>	Insecta
Terrestrial Invertebrates		<i>Polites vibex praeceps</i>	Insecta
Terrestrial Invertebrates	Long-waisted Honey Wasps	<i>Polybia</i>	Insecta
Terrestrial Invertebrates	Yellow-banded Polybia Wasp	<i>Polybia occidentalis</i>	Insecta
Terrestrial Invertebrates	Marsyas Hairstreak	<i>Pseudolycaena marsyas</i>	Insecta
Terrestrial Invertebrates	stick insects	<i>Pseudophasma sp</i>	Insecta
Terrestrial Invertebrates	Tetrio Sphinx	<i>Pseudosphinx tetrio</i>	Insecta
Terrestrial Invertebrates		<i>Ptichodis</i>	Insecta
Terrestrial Invertebrates	Toe-winged beetle	<i>Ptilodactyla sp.</i>	Insecta
Terrestrial Invertebrates	moth	<i>Purium pilumnia</i>	Insecta
Terrestrial Invertebrates	Pale Yellow	<i>Pyrisitia venusta</i>	Insecta
Terrestrial Invertebrates	Gold-bordered Hairstreak	<i>Rekoa palegon</i>	Insecta
Terrestrial Invertebrates		<i>Renia clavalis</i>	Insecta
Terrestrial Invertebrates		<i>Renodes liturata</i>	Insecta
Terrestrial Invertebrates		<i>Rhizotrogini</i>	Insecta
Terrestrial Invertebrates	moth	<i>Rivula pusilla</i>	Insecta

Terrestrial Invertebrates	Stained-glass Moth	<i>Samea castellalis</i>	Insecta
Terrestrial Invertebrates		<i>Sargus</i>	Insecta
Terrestrial Invertebrates	Scarabs	<i>Scarabaeidae</i>	Insecta
Terrestrial Invertebrates	dung beetle	<i>Scarabaeinae sp 1</i>	Insecta
Terrestrial Invertebrates		<i>Scaritini</i>	Insecta
Terrestrial Invertebrates	moth	<i>Scopula sp</i>	Insecta
Terrestrial Invertebrates	Hübner's Olive	<i>Sphacelodes vulneraria</i>	Insecta
Terrestrial Invertebrates	Sweet Potato Armyworm Moth	<i>Spodoptera dolichos</i>	Insecta
Terrestrial Invertebrates		<i>Stagmatoptera cerdai</i>	Insecta
Terrestrial Invertebrates		<i>Steniodes declivalis</i>	Insecta
Terrestrial Invertebrates	moth	<i>Sterrhinæ sp</i>	Insecta
Terrestrial Invertebrates	Cramer's Scrub-Hairstreak	<i>Strymon bubastus</i>	Insecta
Terrestrial Invertebrates		<i>Syllectra erycata</i>	Insecta
Terrestrial Invertebrates		<i>Synapte malitiosa pericles</i>	Insecta
Terrestrial Invertebrates	False Nymphidium	<i>Synargis calyce</i>	Insecta
Terrestrial Invertebrates	Hover Flies	<i>Syrphidae</i>	Insecta
Terrestrial Invertebrates	True Horse Flies	<i>Tabanus</i>	Insecta
Terrestrial Invertebrates	red rim/red spotted hairstreak	<i>Tmolus echion</i>	Insecta
Terrestrial Invertebrates	Bush cricket	<i>Trigonidiini</i>	Insecta
Terrestrial Invertebrates	swallow tailed moth	<i>Urania leilus</i>	Insecta
Terrestrial Invertebrates	plain longtail skipper	<i>Urbanus simplicius</i>	Insecta
Terrestrial Invertebrates	Ornate Bella Moth	<i>Utetheisa ornatrix</i>	Insecta
Terrestrial Invertebrates	Litana Skipper	<i>Vacerra litana</i>	Insecta
Terrestrial Invertebrates	Two-pupil Satyr	<i>Vareuptychia themis</i>	Insecta
Terrestrial Invertebrates	Longhorn beetle	<i>Xylotribus sp</i>	Insecta
Terrestrial Invertebrates	Erebid moth	<i>Zale strigimacula</i>	Insecta
Terrestrial Invertebrates	woodlouse	<i>Oniscidea sp 1</i>	isopoda
Terrestrial Invertebrates	woodlouse	<i>Oniscidea sp 2</i>	isopoda
Terrestrial Invertebrates	Giant South American Snail	<i>Megalobulimus oblongus</i>	Mollusca
Terrestrial Invertebrates	Golden Mystery Snail	<i>Pomacea bridgesii</i>	Mollusca
Terrestrial Invertebrates	Round backed millipedes	<i>Juliformia</i>	Myriapoda
Terrestrial Invertebrates	Round backed millipedes	<i>Orthoporus sp</i>	Myriapoda
Terrestrial Invertebrates	Flat-backed millipedes	<i>Paradoxosomatinae</i>	Myriapoda

Appendix 3: Group Lists that contained additional information

Mammal list including method/location information. Compiled by Laura Baboolal.

Common Name	Scientific Name	Family	Method/Location
Seba's Short-tailed Bat	<i>Carollia perspicillata</i>	Phyllostomidae	Mist Net/Knolly's Tunnel, Motta
Common long-tongued bat	<i>Glossophaga soricina</i>	Phyllostomidae	Mist Net/Knolly's Tunnel
Gervais's Fruit-eating Bat	<i>Artibeus cinereus</i>	Phyllostomidae	Mist Net/ Knolly's Tunnel, Motta
Jamaican Fruit-eating Bat	<i>Artibeus jamaicensis</i>	Phyllostomidae	Mist Net/ Knolly's Tunnel, Motta
Thomas's yellow bat	<i>Rhogeessa io</i>	Vespertilionidae	Mist Net/Motta
Common tent-making Bat	<i>Uroderma bilobatum</i>	Phyllostomidae	Mist Net/Motta
Common moustached bat	<i>Pteronotus parnellii</i>	Mormoopidae	Mist Net/Motta
Red Howler Monkey	<i>Alouatta macconnelli</i>	Atelidae	Observation
Common opossum	<i>Didelphis marsupialis</i>	Didelphidae	Observation
Tayra	<i>Eira barbara</i>	Mustelidae	Observation
Red-rumped agouti	<i>Dasyprocta leporina</i>	Dasyproctidae	Camera Trap
Ocelot	<i>Leopardus pardalis</i>	Felidae	Camera Trap

Herpetology List including additional information. Compiled by Renoir Auguste.

Taxon	common name	scientific name	date	location(s)	notes
turtles	leatherback turtle	<i>Dermochelys coriacea</i>	06/03/2023	iNat withheld location	track
	hawksbill turtle	<i>Eremochelys imbricata</i>		Kariwak Reef	Scuba divers
frogs	marine toad	<i>Rhinella marina</i>	06/03/2023	Buccoo	seen and heard calling night
	whistling frog	<i>Leptodactylus fuscus</i>	06/03/2023	Buccoo	seen and heard calling night
	ditch frog	<i>Leptodactylus validus</i>	06/03/2023	Friendship	seen and heard calling night
	tungara frog	<i>Engystomops pustulosus</i>	06/03/2023	Friendship	seen and heard calling night

	dark-spotted thin-toed frog	<i>Adenomera</i> sp	06/03/2023	Mt. Irvine	seen at night (new report for Tobago! Submitted for peer review)
	emerald-eyed tree frog	<i>Boana platanera</i>	06/03/2023	Friendship	seen at night
	milky tree frog	<i>Trachycephalus typhonius</i>	06/03/2023	Mt. Irvine	seen at night
	bathroom frog	<i>Scinax ruber</i>	06/03/2023	Friendship	seen and heard calling night
lizards	matte	<i>Tupinambis cryptus</i>	06/03/2023	Mt. Irvine, near Black Rock (Bird Sanctuary)	
	beachrunner	<i>Cnemidophorus lemniscatus</i>	06/03/2023	Buccoo	day
	zandolie	<i>Ameiva atrigularis</i>	06/03/2023	Mt. Irvine, near Black Rock (Bird Sanctuary)	day
	bronze anole	<i>Anolis aeneus</i>	06/03/2023	Crown Point	day
	tree anole	<i>Anolis richardii</i>	06/03/2023	Buccoo	day
	hex-scaled lizard	<i>Bachia trinitatis</i>	06/03/2023	Mt. Irvine, near Black Rock (Bird Sanctuary)	day
	shiny lizard	<i>Gymnophthalmus underwoodi</i>	06/04/2023	Buccoo	day
	multi-coloured lizard	<i>Polychrus audoboni</i>	06/03/2023	Mt. Irvine, near Black Rock (Bird Sanctuary)	sleeping on tree at night
	streak gecko	<i>Gonatodes vittatus</i>	06/03/2023	Buccoo	day
	ocellated gecko	<i>Gonatodes ocellatus</i>	06/03/2023	Mt. Irvine, near Black Rock (Bird Sanctuary)	day
	iguana	<i>Iguana iguana</i>	06/03/2023	Buccoo	
house gecko	<i>Hemidactylus</i> sp	06/03/2023	Buccoo	night	
snakes	tobago racer	<i>Mastigodryas dunni</i>	06/03/2023	Pigeon Point	
	blunt-headed snake	<i>Imantodes cenchoa</i>	06/03/2023	Mt. Irvine, near Black Rock (Bird Sanctuary)	night
	slug-eating snake	<i>Sibon nebulatus</i>	06/03/2023	Mt. Irvine, near Black Rock (Bird Sanctuary)	night

	macajuel	<i>Boa constrictor</i>	06/03/2023	Mt. Irvine, near Black Rock (Bird Sanctuary)	day and night
	tree boa	<i>Corallus ruschenbergerii</i>	06/03/2023	Lowlands, Pigeon Pt, Friendship, Mt. Irvine	day and night
	rainbow boa	<i>Epicrates maurus</i>	06/03/2023	Patience Hill	road kill
	ratonel	<i>Pseudoboa newiedii</i>	06/03/2023	Mt. Irvine, near Black Rock (Bird Sanctuary)	night
	parrot snake	<i>Leptophis coeruleodorsus</i>	06/03/2023	between Carnbee and Lambeau, Hampden Rd	day
	horsewhip	<i>Oxybelis rutherfordii</i>	06/03/2023	between Lowlands and Plantations	day
	doctor snake	<i>Erythrolamprus melanotus nesos</i>	06/03/2023	Mt. Irvine, near Black Rock (Bird Sanctuary)	day
caiman	spectacled caiman	<i>Caiman crocodilus</i>	06/03/2023	Magdalena	day and night

Aquatic, Freshwater and Brackish, list, containing location information.

Compiled by Ryan Mohammed

		Site 1: Orange Hill Road, WASA, Mt Irvin Golf course	Site 2: Tomson River Bridge	Site 3: Lambeau, river mouth downstream Belgoves	Site 4: Cove	Site 5: Friendship Road, stables	Site 6: Bon Accord Spring	Site 7: Buccoo Beach (MARINE)	Site 8: Swallows, Pigeon Point Road
	<i>Gobimorous dormitor</i>								
	<i>Anablepsoides hartii</i>	X	X			X	X		
	<i>Oreochromis niloticus</i>		X		X		X		
	<i>Poecilia reticulata</i>	X	X		X		X		
	<i>Micropoecilia picta</i>		X		X				

	<i>Synbranchus marmoratus</i>					X		
	<i>Centropomus undecimalis*</i>		X					
	<i>Sphyraena barracuda*</i>						X	
	<i>Elops saurus*</i>						X	
	<i>Caranx hippos*</i>						X	
	<i>Oligoplites saurus*</i>						X	
	<i>Trachinotus carolinus*</i>						X	
	<i>Trachinotus goodie*</i>						X	
	<i>Eucinostomus argentenus*</i>						X	
	<i>Polydactylus virginicus*</i>						X	
	<i>Umbrina coroides*</i>						X	
	<i>Fistularia tabacaria</i>						X	
	<i>Haemulon striatum*</i>						X	
	<i>Haemulon sciurus*</i>						X	
	<i>Mugil sp.*</i>		X					
CRUSTACEA N	<i>Macrobrachium crenulatum</i>	X				X		

	<i>Macrobrachium carcinus</i>	X					X		
	<i>Atya scabra</i>	X							
	<i>Potimiron potimiron</i>	X							
	<i>Eriphia gonagra*</i>								X
	<i>Aratus pisonii*</i>		X						
	<i>Ocypode quadrata</i>							X	X
GASTROPOD	<i>Marissa cornuarietis</i>	X			X	X	X		
	<i>Neritina clenchi</i>	X							
	<i>Pomacea urceus</i>					X	X		
	<i>Pomaceus canaliculata</i>				X				
	<i>Tarebia granifera</i>		X		X		X		
	<i>Charonia variegata*</i>								X

*Also recorded in Marine Group surveys.

Bird list with individual sightings information, compiled by Elizabeth Seebaran.

D+A1:H 206gate	Location	Day/Night	Bird Species	# individuals	Heard/Seen	M/F/J	Other observations
03-Jun-23	Buccoo Marsh	Day	Pale-vented Pigeon	1			
03-Jun-23	Buccoo Marsh	Day	White-tipped Dove	4	Heard and Seen		

03-Jun-23	Buccoo Marsh	Day	White-necked Jacobin	1		F	
03-Jun-23	Buccoo Marsh	Day	Copper-rumped Hummingbird	1			
03-Jun-23	Buccoo Marsh	Day	Common Gallinule	2			
03-Jun-23	Buccoo Marsh	Day	Laughing Gull	1			
03-Jun-23	Buccoo Marsh	Day	Snowy Egret	1			
03-Jun-23	Buccoo Marsh	Day	Tricolored Heron	1			
03-Jun-23	Buccoo Marsh	Day	Red-crowned Woodpecker	2			
03-Jun-23	Buccoo Marsh	Day	Green-rumped Parrotlet	1			nesting material in beak
03-Jun-23	Buccoo Marsh	Day	Barred Antshrike	2		M	
03-Jun-23	Buccoo Marsh	Day	White-fringed Antwren	2		M,F	
03-Jun-23	Buccoo Marsh	Day	Cocoa Woodcreeper	3	Heard		
03-Jun-23	Buccoo Marsh	Day	Ochre-ored Flycatcher	4	Heard and Seen		
03-Jun-23	Buccoo Marsh	Day	Fuscous Flycatcher	1			most probably, Jerome photo
03-Jun-23	Buccoo Marsh	Day	Brown-crested Flycatcher	1			
03-Jun-23	Buccoo Marsh	Day	Scrub Greenlet	4	Heard and Seen		
03-Jun-23	Buccoo Marsh	Day	Chivi Vireo	4	Heard		
03-Jun-23	Buccoo Marsh	Day	Caribbean Martin	6			
03-Jun-23	Buccoo Marsh	Day	Tropical Mockingbird	1			
03-Jun-23	Buccoo Marsh	Day	Carib Grackle	4			

03-Jun-23	Buccoo Marsh	Day	White-lined Tanager	1		F	
03-Jun-23	Buccoo Marsh	Day	Palm Tanager	2			
03-Jun-23	Buccoo Marsh	Day	Red-legged Honeycreeper	2		M,F	
03-Jun-23	Buccoo Marsh	Day	Bananaquit	3			
03-Jun-23	Buccoo Marsh	Day	Black-faced Grassquit	2		M	
03-Jun-23	Buccoo Lagoon	Day	Pale-vented Pigeon	1			
03-Jun-23	Buccoo Lagoon	Day	Laughing Gull	34			
03-Jun-23	Buccoo Lagoon	Day	Roseate Tern	2			
03-Jun-23	Buccoo Lagoon	Day	Magnificent Frigatebird	6			
03-Jun-23	Buccoo Lagoon	Day	Anhinga	1			
03-Jun-23	Buccoo Lagoon	Day	Brown Pelican	2			
03-Jun-23	Buccoo Lagoon	Day	Yellow-crowned Night-Heron	1			
03-Jun-23	Buccoo Lagoon	Day	Red-crowned Woodpecker	2			
03-Jun-23	Buccoo Lagoon	Day	Caribbean Martin	3			
03-Jun-23	Buccoo Lagoon	Day	White-winged Swallow	2			
03-Jun-23	Buccoo Lagoon	Day	Tropical Mockingbird	1			
03-Jun-23	Buccoo Lagoon	Day	Carib Grackle	2			
03-Jun-23	Buccoo Lagoon	Day	Blue-gray Tanager	2			
03-Jun-23	Buccoo Lagoon	Day	Palm Tanager	1			
03-Jun-23	Kilgwyn Mangrove and Scrub Forest	Day	Pale-vented Pigeon	6			

03-Jun-23	Kilgwyn Mangrove and Scrub Forest	Day	Ruddy Ground Dove	3			
03-Jun-23	Kilgwyn Mangrove and Scrub Forest	Day	White-tipped Dove	7	Heard & Seen		
03-Jun-23	Kilgwyn Mangrove and Scrub Forest	Day	Smooth-billed Ani	1	Heard		
03-Jun-23	Kilgwyn Mangrove and Scrub Forest	Day	Mangrove Cuckoo	1	Heard		along paved roadway mangrove stretch
03-Jun-23	Kilgwyn Mangrove and Scrub Forest	Day	Copper-rumped Hummingbird	4			along paved roadway mangrove stretch
03-Jun-23	Kilgwyn Mangrove and Scrub Forest	Day	Common Gallinule	3	Heard & Seen		
03-Jun-23	Kilgwyn Mangrove and Scrub Forest	Day	Southern Lapwing	4			
03-Jun-23	Kilgwyn Mangrove and Scrub Forest	Day	Laughing Gull	4			
03-Jun-23	Kilgwyn Mangrove and Scrub Forest	Day	Snowy Egret	1			
03-Jun-23	Kilgwyn Mangrove and Scrub Forest	Day	Tricolored Heron	1			
03-Jun-23	Kilgwyn Mangrove and Scrub Forest	Day	Rufous-tailed Jacamar	3			along paved roadway mangrove stretch
03-Jun-23	Kilgwyn Mangrove and Scrub Forest	Day	Barred Antshrike	3	Heard		
03-Jun-23	Kilgwyn Mangrove and Scrub Forest	Day	White-fringed Antwren	1	Seen		
03-Jun-23	Kilgwyn Mangrove and Scrub Forest	Day	Cocoa Woodcreeper	1			
03-Jun-23	Kilgwyn Mangrove and Scrub Forest	Day	Ochre-lored Flycatcher	3	Heard		
03-Jun-23	Kilgwyn Mangrove and Scrub Forest	Day	Yellow-bellied Elaenia	4	Heard & Seen		
03-Jun-23	Kilgwyn Mangrove and Scrub Forest	Day	Tropical Kingbird	1			
03-Jun-23	Kilgwyn Mangrove and Scrub Forest	Day	Scrub Greenlet	2			

03-Jun-23	Kilgwyn Mangrove and Scrub Forest	Day	Chivi Vireo	3			
03-Jun-23	Kilgwyn Mangrove and Scrub Forest	Day	Caribbean Martin	3			
03-Jun-23	Kilgwyn Mangrove and Scrub Forest	Day	Tropical Mockingbird	5			
03-Jun-23	Kilgwyn Mangrove and Scrub Forest	Day	Carib Grackle	10			
03-Jun-23	Kilgwyn Mangrove and Scrub Forest	Day	Blue-gray Tanager	2			
03-Jun-23	Kilgwyn Mangrove and Scrub Forest	Day	Blue-black Grassquit	3		M, F(1)	
03-Jun-23	Kilgwyn Mangrove and Scrub Forest	Day	Black-faced Grassquit	1			
03-Jun-23	Sandy Point	Day	Eared Dove	1			
03-Jun-23	Sandy Point	Day	Black-bellied Plover	1			Non breeding plumage bird with other shorebirds on the beach (large pale grey plover)
03-Jun-23	Sandy Point	Day	Collared Plover	1			Seen on beach feeding on seaweed incomplete white collar and pale legs slightly longer bill than the Semipalmated Plovers it was with
03-Jun-23	Sandy Point	Day	Semipalmated Plover	3			Three birds together on beach yellowish legs, small bill, black chest bands, complete white collars (seen with collard plover and white rumped sandpiper)
03-Jun-23	Sandy Point	Day	White-rumped Sandpiper	1			In breeding plumage with other shorebirds

							feeding on seaweed. Wings extending beyond tail, white rump visible when it took flight
03-Jun-23	Sandy Point	Day	Laughing Gull	48			Following boat
03-Jun-23	Sandy Point	Day	Roseate Tern	11			
03-Jun-23	Sandy Point	Day	Magnificent Frigatebird	32			
03-Jun-23	Sandy Point	Day	Brown Bobby	1			
03-Jun-23	Sandy Point	Day	Brown Pelican	10			
03-Jun-23	Sandy Point	Day	Yellow-crowned Night-Heron	3			
03-Jun-23	Sandy Point	Day	Yellow-bellied Elaenia	1			
03-Jun-23	Sandy Point	Day	Tropical Kingbird	1			
03-Jun-23	Sandy Point	Day	Caribbean Martin	1			
03-Jun-23	Sandy Point	Day	Tropical Mockingbird	1			
03-Jun-23	Sandy Point	Day	Carib Grackle	3			
03-Jun-23	Sandy Point	Day	Black-faced Grassquit	1			
03-Jun-23	Grafton Caledonia Bird Sanctuary	Day, late evening	Rufous-vented Chachalaca	1			
03-Jun-23	Grafton Caledonia Bird Sanctuary	Day, late evening	Pale-vented Pigeon	2			
03-Jun-23	Grafton Caledonia Bird Sanctuary	Day, late evening	Ruddy Ground Dove	2			
03-Jun-23	Grafton Caledonia Bird Sanctuary	Day, late evening	White-tipped Dove	1			
03-Jun-23	Grafton Caledonia Bird Sanctuary	Day, late evening	White-tailed Nightjar	1			

03-Jun-23	Grafton Caledonia Bird Sanctuary	Day, late evening	Rufous-breasted Hermit	1			
03-Jun-23	Grafton Caledonia Bird Sanctuary	Day, late evening	Magnificent Frigatebird	3			
03-Jun-23	Grafton Caledonia Bird Sanctuary	Day, late evening	Trinidad Motmot	2			
03-Jun-23	Grafton Caledonia Bird Sanctuary	Day, late evening	Rufous-tailed Jacamar	1	Heard		
03-Jun-23	Grafton Caledonia Bird Sanctuary	Day, late evening	Gray-throated Leaftosser	1			Tentative
03-Jun-23	Grafton Caledonia Bird Sanctuary	Day, late evening	Cocoa Woodcreeper	2	Heard		
03-Jun-23	Grafton Caledonia Bird Sanctuary	Day, late evening	Ochre-ored Flycatcher	3	Heard		
03-Jun-23	Grafton Caledonia Bird Sanctuary	Day, late evening	Yellow-bellied Elaenia	1			
03-Jun-23	Grafton Caledonia Bird Sanctuary	Day, late evening	Scrub Greenlet	1	Heard		
03-Jun-23	Grafton Caledonia Bird Sanctuary	Day, late evening	Spectacled Thrush	1			
03-Jun-23	Grafton Caledonia Bird Sanctuary	Day, late evening	Palm Tanager	1			
03-Jun-23	Tobago Plantations	Night	White-tipped Dove	1			
03-Jun-23	Tobago Plantations	Night	Common Potoo	1	Heard		Deep in mangrove scrub thick forest, no access
03-Jun-23	Tobago Plantations	Night	Common Gallinule	1			
03-Jun-23	Tobago Plantations	Night	Southern Lapwing	4			
03-Jun-23	Tobago Plantations	Night	Cattle Egret	13			
03-Jun-23	Tobago Plantations	Night	Green Heron	1			
03-Jun-23	Tobago Plantations	Night	Black-crowned Night-Heron	4			
03-Jun-23	Tobago Plantations	Night	Yellow-crowned Night-Heron	1		J	

03-Jun-23	Along border of Bucco Marshes	Night	White-tailed Nightjar	2			in bushes along dark road, calling
03-Jun-23	Along border of Bucco Marshes	Night	Common Gallinule	1			
03-Jun-23	Along border of Bucco Marshes	Night	Southern Lapwing	1			
03-Jun-23	Along border of Bucco Marshes	Night	Green Heron	4			Hunting in open canals in night
03-Jun-23	Along border of Bucco Marshes	Night	Black-crowned Night-Heron	4			Hunting in open canals in night
04-Jun-23	Post Office Street, Buccoo	Day	Rufous-vented Chachalaca	2			
04-Jun-23	Post Office Street, Buccoo	Day	Pale-vented Pigeon	3			
04-Jun-23	Post Office Street, Buccoo	Day	Eared Dove	1			
04-Jun-23	Post Office Street, Buccoo	Day	Short-tailed Swift	1			
04-Jun-23	Post Office Street, Buccoo	Day	Ruby-topaz Hummingbird	1			
04-Jun-23	Post Office Street, Buccoo	Day	Copper-rumped Hummingbird	1			
04-Jun-23	Post Office Street, Buccoo	Day	Southern Lapwing	3			
04-Jun-23	Post Office Street, Buccoo	Day	Laughing Gull	12			
04-Jun-23	Post Office Street, Buccoo	Day	Roseate Tern	1			
04-Jun-23	Post Office Street, Buccoo	Day	Royal Tern	2			
04-Jun-23	Post Office Street, Buccoo	Day	Magnificent Frigatebird	2			
04-Jun-23	Post Office Street, Buccoo	Day	Brown Pelican	1			
04-Jun-23	Post Office Street, Buccoo	Day	Red-crowned Woodpecker	1			
04-Jun-23	Post Office Street, Buccoo	Day	Yellow-headed Caracara	1			

04-Jun-23	Post Office Street, Buccoo	Day	Barred Antshrike	1			
04-Jun-23	Post Office Street, Buccoo	Day	Yellow-bellied Elaenia	2			
04-Jun-23	Post Office Street, Buccoo	Day	Tropical Kingbird	1			
04-Jun-23	Post Office Street, Buccoo	Day	Scrub Greenlet	1			
04-Jun-23	Post Office Street, Buccoo	Day	Caribbean Martin	5			
04-Jun-23	Post Office Street, Buccoo	Day	Tropical Mockingbird	1			
04-Jun-23	Post Office Street, Buccoo	Day	Carib Grackle	1			
04-Jun-23	Post Office Street, Buccoo	Day	Blue-gray Tanager	1			
04-Jun-23	Post Office Street, Buccoo	Day	Bananaquit	3			
04-Jun-23	Post Office Street, Buccoo	Day	Black-faced Grassquit	5			
04-Jun-23	Bon Accord Sewage Treatment Ponds	Day	White-cheeked Pintail	14			
04-Jun-23	Bon Accord Sewage Treatment Ponds	Day	Rufous-vented Chachalaca	15			
04-Jun-23	Bon Accord Sewage Treatment Ponds	Day	Least Grebe	6			
04-Jun-23	Bon Accord Sewage Treatment Ponds	Day	Pale-vented Pigeon	4			
04-Jun-23	Bon Accord Sewage Treatment Ponds	Day	White-tipped Dove	1			
04-Jun-23	Bon Accord Sewage Treatment Ponds	Day	Eared Dove	6			
04-Jun-23	Bon Accord Sewage Treatment Ponds	Day	Smooth-billed Ani	5			
04-Jun-23	Bon Accord Sewage Treatment Ponds	Day	Common Gallinule	15			
04-Jun-23	Bon Accord Sewage Treatment Ponds	Day	Purple Gallinule	1			
04-Jun-23	Bon Accord Sewage Treatment Ponds	Day	Southern Lapwing	6		J (4)	

04-Jun-23	Bon Accord Sewage Treatment Ponds	Day	Wattled Jacana	1			
04-Jun-23	Bon Accord Sewage Treatment Ponds	Day	Laughing Gull	2			
04-Jun-23	Bon Accord Sewage Treatment Ponds	Day	Black Skimmer	3			
04-Jun-23	Bon Accord Sewage Treatment Ponds	Day	Anhinga	4			
04-Jun-23	Bon Accord Sewage Treatment Ponds	Day	Gray Heron	1			Large heron but has a partial eye mask, some shag on wings but lacks cinnamon patches on wings and knees to be a great blue heron
04-Jun-23	Bon Accord Sewage Treatment Ponds	Day	Cocoi Heron	1			Jerome has photo
04-Jun-23	Bon Accord Sewage Treatment Ponds	Day	Great Egret	6			
04-Jun-23	Bon Accord Sewage Treatment Ponds	Day	Tricolored Heron	2			
04-Jun-23	Bon Accord Sewage Treatment Ponds	Day	Cattle Egret	1			
04-Jun-23	Bon Accord Sewage Treatment Ponds	Day	Green Heron	3			
04-Jun-23	Bon Accord Sewage Treatment Ponds	Day	Black-crowned Night-Heron	35			Multiple birds seen, adults mostly, along edge of ponds
04-Jun-23	Bon Accord Sewage Treatment Ponds	Day	Yellow-crowned Night-Heron	1			
04-Jun-23	Bon Accord Sewage Treatment Ponds	Day	Osprey	2			
04-Jun-23	Bon Accord Sewage Treatment Ponds	Day	Red-crowned Woodpecker	2			
04-Jun-23	Bon Accord Sewage Treatment Ponds	Day	Barred Antshrike	2			
04-Jun-23	Bon Accord Sewage Treatment Ponds	Day	Cocoa Woodcreeper	1			

04-Jun-23	Bon Accord Sewage Treatment Ponds	Day	Ochre-lore'd Flycatcher	1			
04-Jun-23	Bon Accord Sewage Treatment Ponds	Day	Tropical Kingbird	3			
04-Jun-23	Bon Accord Sewage Treatment Ponds	Day	Caribbean Martin	6			
04-Jun-23	Bon Accord Sewage Treatment Ponds	Day	Tropical Mockingbird	3			
04-Jun-23	Bon Accord Sewage Treatment Ponds	Day	Carib Grackle	21			
04-Jun-23	Bon Accord Sewage Treatment Ponds	Day	Palm Tanager	1			
04-Jun-23	Bon Accord Sewage Treatment Ponds	Day	Bananaquit	1			
04-Jun-23	Bon Accord Sewage Treatment Ponds	Day	Black-faced Grassquit	2			
04-Jun-23	Centre Street Ponds	Day	Rufous-vented Chachalaca	2			
04-Jun-23	Centre Street Ponds	Day	Eared Dove	2			
04-Jun-23	Centre Street Ponds	Day	White-tipped Dove	3			
04-Jun-23	Centre Street Ponds	Day	Pale-vented Pigeon	2			
04-Jun-23	Centre Street Ponds	Day	Rudy Ground Dove	4			
04-Jun-23	Centre Street Ponds	Day	Black-faced Grassquit	9			
04-Jun-23	Centre Street Ponds	Day	Tropical Mockingbird	5			
04-Jun-23	Centre Street Ponds	Day	Anhinga	11			
04-Jun-23	Centre Street Ponds	Day	White-cheeked Pintail	24			
04-Jun-23	Centre Street Ponds	Day	Black-bellied Whistling Duck	21			
04-Jun-23	Centre Street Ponds	Day	Blue-winged Teal	1			
04-Jun-23	Centre Street Ponds	Day	Lesser Scaup	1			

04-Jun-23	Centre Street Ponds	Day	Common Gallinule	17			
04-Jun-23	Centre Street Ponds	Day	Least Grebe	44			
04-Jun-23	Centre Street Ponds	Day	Black-crowned Night Heron	20			
04-Jun-23	Centre Street Ponds	Day	Little Blue Heron	12			
04-Jun-23	Centre Street Ponds	Day	Tricolored Heron	18			
04-Jun-23	Centre Street Ponds	Day	Green Heron	15			
04-Jun-23	Centre Street Ponds	Day	Snowy Egrets	20			
04-Jun-23	Centre Street Ponds	Day	Great Egret	3			
04-Jun-23	Centre Street Ponds	Day	Carib Grackle	3			
04-Jun-23	Centre Street Ponds	Day	Smooth-billed Ani	3			
04-Jun-23	Centre Street Ponds	Day	Caribbean Martin	1			
04-Jun-23	Centre Street Ponds	Day	Southern Lapwing	4			
04-Jun-23	Centre Street Ponds	Day	Osprey	1			
04-Jun-23	Grafton Caledonia Bird Sanctuary	Day	Rufous-vented Chachalaca	4			
04-Jun-23	Grafton Caledonia Bird Sanctuary	Day	Pale-vented Pigeon	1			
04-Jun-23	Grafton Caledonia Bird Sanctuary	Day	Ruddy Ground Dove	1			
04-Jun-23	Grafton Caledonia Bird Sanctuary	Day	Eared Dove	30			
04-Jun-23	Grafton Caledonia Bird Sanctuary	Day	Rufous-breasted Hermit	1			
04-Jun-23	Grafton Caledonia Bird Sanctuary	Day	Black-throated Mango	1			
04-Jun-23	Grafton Caledonia Bird Sanctuary	Day	Copper-rumped Hummingbird	1			

04-Jun-23	Grafton Caledonia Bird Sanctuary	Day	Laughing Gull	1			
04-Jun-23	Grafton Caledonia Bird Sanctuary	Day	Magnificent Frigatebird	3			
04-Jun-23	Grafton Caledonia Bird Sanctuary	Day	Trinidad Motmot	8			
04-Jun-23	Grafton Caledonia Bird Sanctuary	Day	Red-crowned Woodpecker	1			
04-Jun-23	Grafton Caledonia Bird Sanctuary	Day	White-fringed Antwren	1		M	
04-Jun-23	Grafton Caledonia Bird Sanctuary	Day	Cocoa Woodcreeper	2			
04-Jun-23	Grafton Caledonia Bird Sanctuary	Day	Ochre-ored Flycatcher	2			
04-Jun-23	Grafton Caledonia Bird Sanctuary	Day	Brown-crested Flycatcher	2			
04-Jun-23	Grafton Caledonia Bird Sanctuary	Day	Scrub Greenlet	1			
04-Jun-23	Grafton Caledonia Bird Sanctuary	Day	Chivi Vireo	2			
04-Jun-23	Grafton Caledonia Bird Sanctuary	Day	Blue-gray Tanager	2			
04-Jun-23	Grafton Caledonia Bird Sanctuary	Day	Palm Tanager	3			
04-Jun-23	Grafton Caledonia Bird Sanctuary	Day	Bananaquit	1			
04-Jun-23	Along Mt. Irvine Bay	Day	Laughing Gull	8			
04-Jun-23	No man's Land Trail, Golden Grove	Day	White-tipped Dove	2	Heard		
04-Jun-23	No man's Land Trail, Golden Grove	Day	Eared Dove	1			
04-Jun-23	No man's Land Trail, Golden Grove	Day	Trinidad Motmot	1			
04-Jun-23	No man's Land Trail, Golden Grove	Day	Rufous-tailed Jacamar	1	Heard		
04-Jun-23	No man's Land Trail, Golden Grove	Day	Red-crowned Woodpecker	4			
04-Jun-23	No man's Land Trail, Golden Grove	Day	Yellow-headed Caracara	1			

04-Jun-23	No man's Land Trail, Golden Grove	Day	Green-rumped Parrotlet	15			
04-Jun-23	No man's Land Trail, Golden Grove	Day	Barred Antshrike	4	Heard & Seen		
04-Jun-23	No man's Land Trail, Golden Grove	Day	Cocoa Woodcreeper	3	Heard & Seen		
04-Jun-23	No man's Land Trail, Golden Grove	Day	Ochre-ored Flycatcher	4	Heard & Seen		
04-Jun-23	No man's Land Trail, Golden Grove	Day	Brown-crested Flycatcher	1			
04-Jun-23	No man's Land Trail, Golden Grove	Day	Scrub Greenlet	4			
04-Jun-23	No man's Land Trail, Golden Grove	Day	Chivi Vireo	3	Heard & Seen		
04-Jun-23	No man's Land Trail, Golden Grove	Day	Tropical Mockingbird	2			
04-Jun-23	No man's Land Trail, Golden Grove	Day	Spectacled Thrush	3			
04-Jun-23	No man's Land Trail, Golden Grove	Day	Carib Grackle	1			
04-Jun-23	No man's Land Trail, Golden Grove	Day	Blue-gray Tanager	1			
04-Jun-23	No man's Land Trail, Golden Grove	Day	Palm Tanager	2			
04-Jun-23	No man's Land Trail, Golden Grove	Day	Bananaquit	4			
04-Jun-23	Tobago Plantations	Day	Black-bellied Whistling-Duck	5			
04-Jun-23	Tobago Plantations	Day	Rufous-vented Chachalaca	4			
04-Jun-23	Tobago Plantations	Day	Smooth-billed Ani	1			
04-Jun-23	Tobago Plantations	Day	Common Gallinule	12			
04-Jun-23	Tobago Plantations	Day	Purple Gallinule	6			
04-Jun-23	Tobago Plantations	Day	Southern Lapwing	4			
04-Jun-23	Tobago Plantations	Day	Wattled Jacana	10			

04-Jun-23	Tobago Plantations	Day	Magnificent Frigate	2			
04-Jun-23	Tobago Plantations	Day	Anhinga	1			
04-Jun-23	Tobago Plantations	Day	Little Blue Heron	2			
04-Jun-23	Tobago Plantations	Day	Cattle Egret	28			
04-Jun-23	Tobago Plantations	Day	Black-crowned Night-Heron	1			
04-Jun-23	Tobago Plantations	Day	Yellow-crowned Night-Heron	1			
04-Jun-23	Tobago Plantations	Day	Red-crowned Woodpecker	5			
04-Jun-23	Tobago Plantations	Day	Barred Antshrike	2			
04-Jun-23	Tobago Plantations	Day	Ochre-ored Flycatcher	1			
04-Jun-23	Tobago Plantations	Day	Brown-crested Flycatcher	1			
04-Jun-23	Tobago Plantations	Day	Scrub Greenlet	2			
04-Jun-23	Tobago Plantations	Day	Chivi Vireo	2			
04-Jun-23	Tobago Plantations	Day	Caribbean Martin	4			
04-Jun-23	Tobago Plantations	Day	Tropical Mockingbird	4			
04-Jun-23	Tobago Plantations	Day	Shiny Cowbird	2			
04-Jun-23	Pigeon Point Road	Day	Laughing Gull	11			sea
04-Jun-23	Pigeon Point Road	Day	Magnificent Frigatebird	1			sea
04-Jun-23	Pigeon Point Road	Day	Brown Pelican	1			sea
04-Jun-23	Pigeon Point Road	Day	Brown-crested Flycatcher	1			bathing in sand on beach
04-Jun-23	Sandy Point	Day	Laughing Gull	9			sea

04-Jun-23	Sandy Point	Day	Roseate Tern	10			sea
04-Jun-23	Sandy Point	Day	Brown Pelican	21			sea
04-Jun-23	Sandy Point	Day	Caribbean Martin	3			
03-Jun-23	Bon Accord Lagoon	PM (afternoon)	Ocre-Lored flycatcher	1			Caught in Mist Net
03-Jun-23	Bon Accord Lagoon	PM (afternoon)	Wattled Jacana	1			Caught in Mist Net
03-Jun-23	Bon Accord Lagoon	PM (afternoon)	Wattled Jacana	1			Caught in Mist Net
03-Jun-23	Bon Accord Lagoon	PM (afternoon)	Grey Kingbird	1			Caught in Mist Net
03-Jun-23	Bon Accord Lagoon	PM (afternoon)	Green Heron	1			Caught in Mist Net
03-Jun-23	Bon Accord Lagoon	PM (afternoon)	Grey Kingbird	1			Caught in Mist Net
03-Jun-23	Bon Accord Lagoon	PM (afternoon)	Green Heron	1			Caught in Mist Net
04-Jun-23	Bon Accord Lagoon	AM (morning)	Bananaquit	1			Caught in Mist Net
04-Jun-23	Bon Accord Lagoon	AM (morning)	Spectacled Thrush	1			Caught in Mist Net
04-Jun-23	Bon Accord Lagoon	AM (morning)	Barred Antshrike	1			Caught in Mist Net
04-Jun-23	Bon Accord Lagoon	AM (morning)	House Wren	1			Caught in Mist Net
04-Jun-23	Bon Accord Lagoon	AM (morning)	Fuscous Flycatcher	1			Caught in Mist Net
04-Jun-23	Bon Accord Lagoon	AM (morning)	Barred Antshrike	1			Caught in Mist Net
04-Jun-23	Bon Accord Lagoon	AM (morning)	Blue Grey Tanager	1			Caught in Mist Net