

generated January 2026

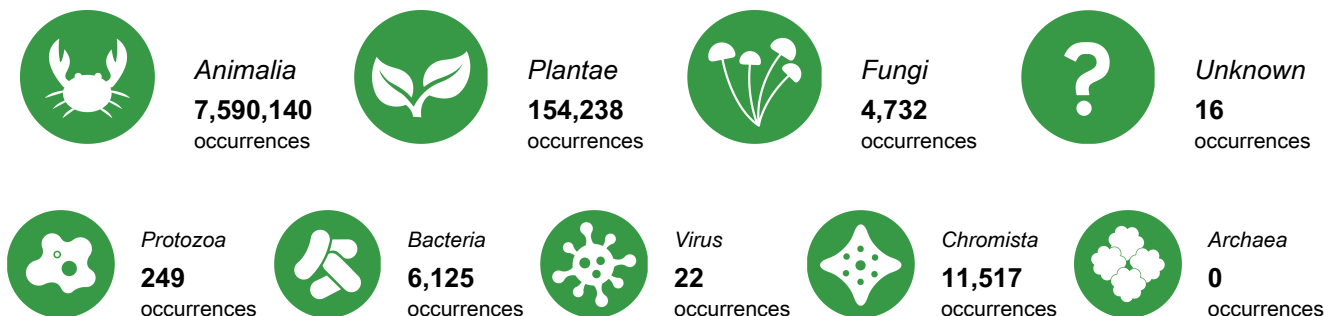
Belize

This report provides a series of summary charts, statistics and other details about the mobilization and use of open-access species data through the GBIF network, relating to users and participating institutions in Belize. These metrics show status at the time of report generation, unless otherwise noted. Taken together, the elements of this report can help guide and measure progress toward the information needs for biodiversity research, as well as for national commitments on biodiversity and sustainable development.

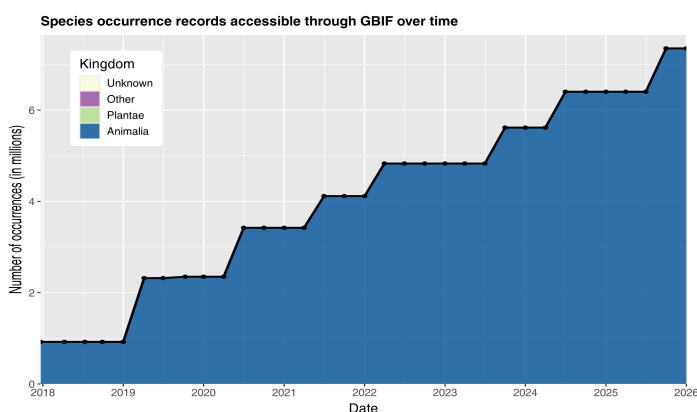
► Access and usage



► Data availability in Belize



► Data mobilization

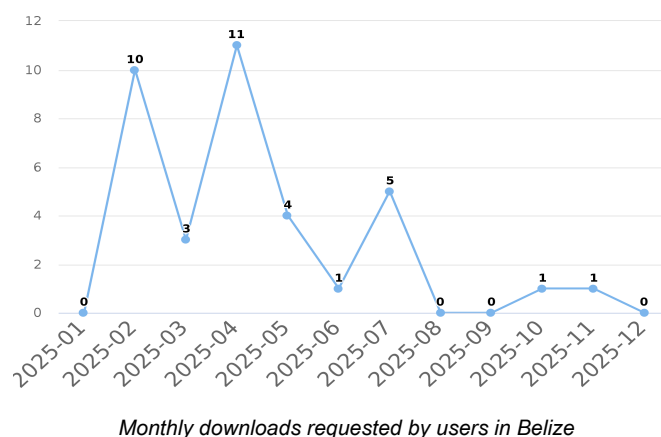
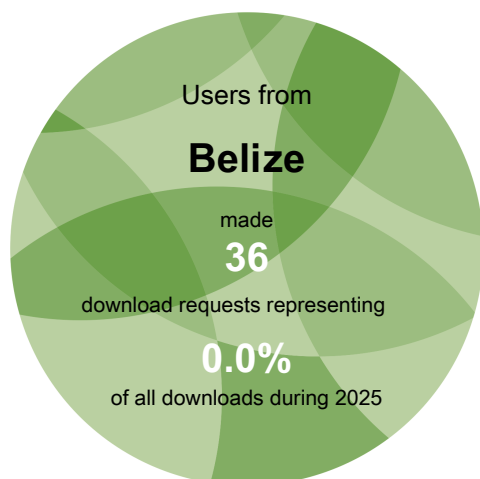


Number of records published by institutions in Belize,
categorized by kingdom



Access and usage

Data downloads on GBIF.org from users in Belize



Recent peer-reviewed articles using GBIF-mediated data by co-authors based in Belize

The GBIF Secretariat maintains and reports on an ongoing literature tracking programme, giving priority to substantive uses of GBIF-mediated data in peer-reviewed literature while identifying the countries or areas of the authors' institutional affiliations. The citations below represent the five most recent journal articles with at least one co-author from Belize.

Those interested in assisting the Secretariat in identifying additional peer-reviewed uses of GBIF-mediated data may forward relevant citations to comms@gbif.org.

Munscher, Pop, Pearson *et al.* (2022) First verified observation of the Narrow-bridged Musk Turtle, *Claudius angustatus* Cope, 1865 from the Toledo District of southern Belize. *Herpetology Notes*.

Elías, Fuentes-Montejo, Quintana *et al.* (2022) □ Non-native freshwater fishes in Guatemala, northern Central America: introduction sources, distribution, history, and conservation consequences. *Neotropical Biology and Conservation*.
<https://doi.org/10.3897/neotropical.17.e80062>

Thornton, Reyna, Perera-Romero *et al.* (2020) Precipitous decline of white-lipped peccary populations in Mesoamerica. *Biological Conservation*.
<https://doi.org/10.1016/j.biocon.2020.108410>

van Kleunen, Dawson, Essl *et al.* (2015) Global exchange and accumulation of non-native plants. *Nature*.
<https://doi.org/10.1038/nature14910>

See all research from this country or area
gbif.org/country/BZ/publications/from



Data availability

Total data available for selected taxonomic groups in Belize



Mammals
11,756
occurrences



Birds
7,401,592
occurrences



Bony fish
51,401
occurrences



Amphibians
4,007
occurrences



Insects
38,854
occurrences



Reptiles
11,771
occurrences



Molluscs
11,164
occurrences



Arachnids
2,396
occurrences



Flowering plants
127,849
occurrences



Ferns
8,384
occurrences



Gymnosperms
757
occurrences



Mosses
3,889
occurrences



Sac fungi
2,161
occurrences



Basidiomycota
2,390
occurrences

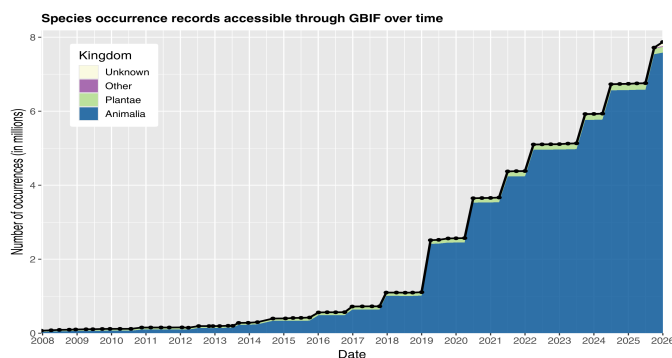
Mammals = Class *Mammalia*
Birds = Class *Aves*
Bony fish = Superclass
Osteichthyes p.p.
Amphibians = Class *Amphibia*

Insects = Class *Insecta*
Reptiles = Class *Testudines*,
Sphenodontia, *Squamata* &
Crocodylia
Molluscs = Phylum *Mollusca*

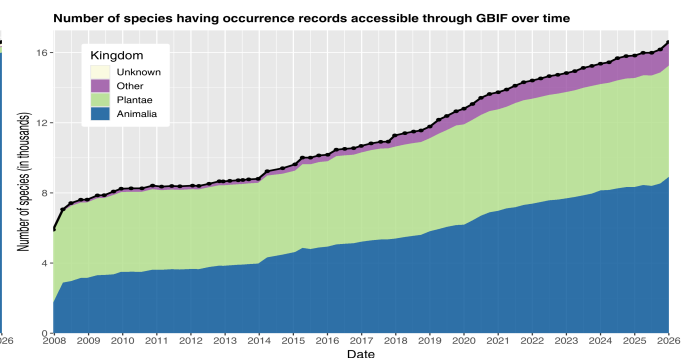
Arachnids = Class *Arachnida*
Flowering plants = Phylum
Magnoliophyta
Gymnosperms = Superclass
Gymnospermae

Ferns = Phylum *Pteridophyta*
Mosses = Phylum *Bryophyta*
Sac fungi = Phylum *Ascomycota*
Basidiomycota = Phylum
Basidiomycota

Change over time in records about biodiversity in Belize



Occurrence records available about species occurring in Belize



Species for which at least one occurrence record is available in Belize

WHY MIGHT THE AMOUNT OF MOBILIZED DATA DECREASE?

Datasets are sometimes removed by publishers, but more often decreases in the number of records are due to the removal of duplicate records and datasets.

SPECIES COUNTS represent the number of binomial scientific names for which GBIF has received data records, organized as far as possible using synonyms recorded in key databases like the Catalogue of Life



Most recent datasets from publishers in Belize

Point Count Data for TIDE's Private Land (Starcher), Belize 2009-2012. *Published by University of Belize Environmental Research Institute*
<https://doi.org/10.15468/qfzmqx>

Point Count Data for TIDE's Private Land (Block 127), Belize 2009-2013. *Published by University of Belize Environmental Research Institute*
<https://doi.org/10.15468/xxs6mb>

Point Count Data for Chaa Creek Lodge, Belize 1997-2001. *Published by University of Belize Environmental Research Institute*
<https://doi.org/10.15468/tixaov>

Point Count Data for Payne's Creek National Park, Belize 2008-2013. *Published by University of Belize Environmental Research Institute*
<https://doi.org/10.15468/nspvwq>

Point Count Data for the Maya Golden Landscape, Belize 2010-2016. *Published by University of Belize Environmental Research Institute*
<https://doi.org/10.15468/h1pmff>

Point Count Data for TIDE's Private Land (Kern), Belize 2009-2013. *Published by University of Belize Environmental Research Institute*
<https://doi.org/10.15468/obxmoa>

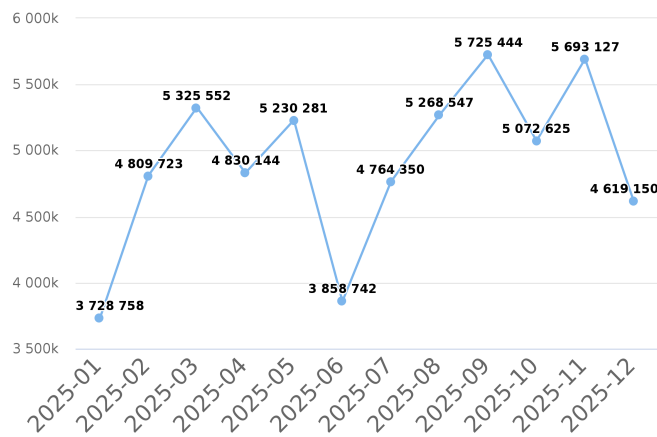
See all datasets from this country or area: gbif.org/dataset/search?publishing_country=BZ

Newest publishers from Belize

University of Belize Environmental Research Institute

See all publishers from this country or area
gbif.org/publisher/search?country=BZ

Occurrence records downloaded from GBIF.org, published by institutions in Belize

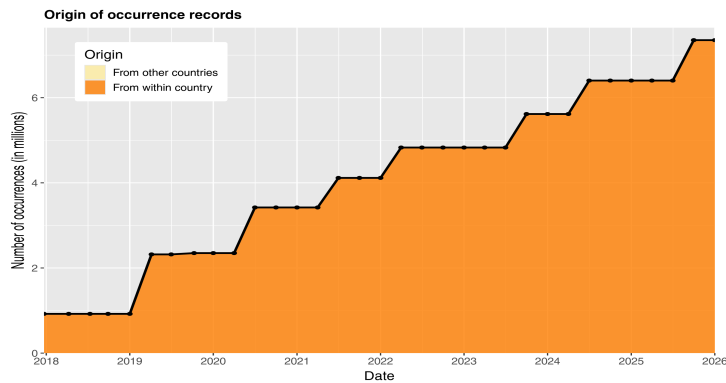


Number of occurrence records downloaded via GBIF.org published by institutions in Belize

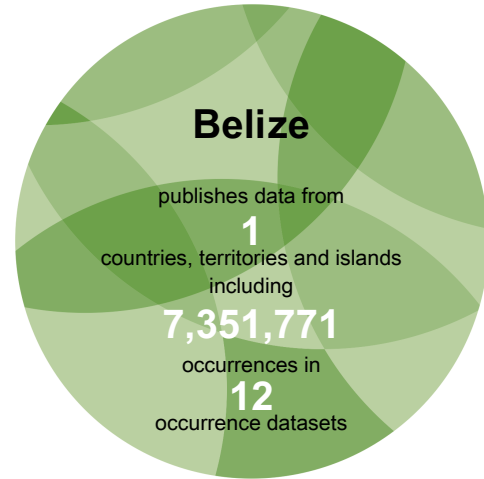


Data mobilization

Data sharing with country or area of origin by national institutions in Belize



Data sharing with country or area of origin



The chart above shows the number of records shared over time by publishers within Belize, with separate colours for records about species occurring within undefined and those occurring elsewhere.

Top data contributors about biodiversity in Belize

Rank	Country or area	No. of occurrences
1	Belize	7,351,771
2	United States of America	270,034
3	Belgium	148,876
4	United Kingdom	44,311
5	Mexico	15,928
6	Canada	11,220
7	International organization or unknown country	8,381
8	Venezuela	5,692
9	Sweden	3,633
10	Netherlands	3,400

Table 1. Ranking of countries or areas contributing data about Belize

Top datasets contributing data about Belize

EOD – eBird Observation Dataset. 7,320,247 occurrences in Belize. (Last updated 29 Oct 2025)

UNESCO eDNA expedition in Belize Barrier Reef Reserve System (Belize): April 2023. 147,989 occurrences in Belize. (Last updated 29 Oct 2025)

iNaturalist Research-grade Observations. 80,102 occurrences in Belize. (Last updated 31 Dec 2025)

NMNH Extant Specimen Records (USNM, US). 51,121 occurrences in Belize. (Last updated 2 Jan 2026)

Tropicos MO Specimen Data. 36,343 occurrences in Belize. (Last updated 31 Dec 2025)

See all contributing countries and areas or datasets: gbif.org/country/BZ/about



Belize participates in the following projects coordinated by GBIF

Improving natural resources management in Belize by mobilizing biodiversity data

BID: Biodiversity Information for Development, 2017–2018

This project will seek to compile and analyze several large, uncompiled datasets on birds in Belize and publicly disseminate the results through eBird and the GBIF network.

<https://www.gbif.org/project/83247>

See all GBIF projects

[gbif.org/resource/search?contentType=project](https://www.gbif.org/resource/search?contentType=project)