Metadata

Australian Faunal Directory

SUPPORTED BY

General information

name of the dataset:

full name of the dataset: *Australian Faunal Directory*

dataset short name: *AFD*

type of dataset (more information**):** *species/taxa database (e.g. red list database)*

specify: *Country taxalist for Australia*

data type: *descriptive data*

short description of the dataset/summary:

Taxalist available at:

http://www.environment.gov.au/biodiversity/abrs/online-resources/fauna/index.html

Groups covered include: PORIFERA Sponges, CNIDARIA Corals, Jellyfish, Sea Anemonies, CTENOPHORA Comb Jellies, MESOZOA Mesozoans, PLATYHELMINTHES Flatworms, NEMERTEA Ribbon Worms, GNATHOSTOMULIDA Gnathostomulids, GASTROTRICHA Gastrotrichs, ROTIFERA, CHAETOGNATHA, KINORHYNCHA Kinorhyncha, LORICIFERA Loriciferans, ACANTHOCEPHALA Thorny-headed Worms, NEMATODA, NEMATOMORPHA Gordian Worms, Horse-hair Worms, BRYOZOA, PHORONIDA Tube Worms, BRACHIOPODA, MOLLUSCA Molluscs, PRIAPULIDA Priapulids, SIPUNCULA, ECHIURA, KAMPTOZOA, ANNELIDA Segmented Worms, TARDIGRADA Water Bears, ONYCHOPHORA Velvet Worms, ARTHROPODA Arthropods, ECHINODERMATA Brittle Stars, Echinoderms, Feather Stars, Sand Dollars, Sea Cucumbers, Sea Lilies, Sea Urchins, Starfish, Trepang, HEMICHORDATA Hemichordates, CHORDATA Chordates, PROTISTA Protists

keywords according to GCMD**:**

topic: *Biosphere, Biological Classification*

ISO topic category according to ISO 19115**:**

Biota

INSPIRE keywords according to GEMET**:**

own science keywords: *Country taxon list, Australia, taxonomy, species, nomenclature, Australian fauna, synonymy, synonyms, type species, type data*

Technical and administrative specifications

data format:	*Oracle*
others/details:	*Java API, underlying Oracle database, with a web services layer and a web application presenting the data.*
operating system:	*all operating systems*
others/details:	*AFD is a web application which can be accessed from any platform with a web browser.*
data language:	*English*
specify:	*incl. refs to*
current access level:	*web (public)*
web address:	*http://www.environment.gov.au/biodiversity/abrs/online-resources/fauna/index.html*
currently available through GBIF:	*yes*
exchange planned:	
Do you plan to publish the data on the Freshwater Biodiversity Data Portal:	
update level:	*continuously updated*
documentation:	
type:	*internal description, others/specify*
others/details:	*XML Schema, RDFS*
language:	*English*

contact details:

metadata contact person:	
first, last name:	*Christy Geromboux*
email:	*Christy.Geromboux@environment.gov.au*
institution:	*Australian Biological Resources Study*
province, state:	*ACT*
country	*Australia*
web address:	*http://www.environment.gov.au/biodiversity/abrs/index.html*
technical contact person:	
email:	*australianfaunaldirectory@environment.gov.au*
scientific contact person:	
email:	*australianfaunaldirectory@environment.gov.au*

Intellectual property rights and citation

(if the dataset is already published):

dataset creator (data compiler):

contact name: *Australian Biological Resources Study*

contact email: *http://www.environment.gov.au/biodiversity/abrs/index.html*

data contributors to/owners of this dataset:

single

criteria for using the data in a publication/scientific analysis:

The dataset is publicly available (data portal, data archive) and can be used without restrictions, but must be acknowledged and cited correctly.

citation of this dataset:

author(s): *ABRS*

title and journal (name, number, pages):

Australian Faunal Directory. Australian Biological Resources Study, Canberra. Viewed <current date> http://www.environment.gov.au/biodiversity/abrs/online-resources/fauna/afd /index.html

citation of the metadata:

General data specifications

regional coverage of the dataset:

spatial extent of the dataset:	*national*
continents:	*Oceania, Antarctica*
countries:	*Oceania: Australia*
comments:	*Occasional distributional information for regions outside of Australia.*

Site specifications

coordinate system/grid data:

Biological data

biological data origin:

specify project: *general compilation,*

specify method:

organism group addressed: *mammals, water birds, reptiles, amphibians, terrestrial invertebrates, fish, macro-invertebrates, zooplankton, other group(s): Protista, Rotifera, Tardigrada, Porifera, Platyhelminthes, etc.*

comments: *We cover the entire Australian fauna and include all groups that occur in freshwater.*

Species related information

<u>mammals:</u>
taxonomic resolution:

    percentage of species level data: *100*

    comments: *We have many higher level taxa ranks accross our database (including kingdom, class, subclass, infraorder, series, cohort, superfamily, tribe, etc.), genera, subgenera, species, and a single infraspecific rank (subspecies).*

taxonomic coding:

    taxalist according to: *AFD*

    coding system: *ICZN, CAVS*

availability of specific ecological/biological information:

    comments: *AFD is primarily a taxonomic database, but we try to include some profile data where it is available and we have the funding and expertise to do so.*

<u>water birds:</u>
taxonomic resolution:

    percentage of species level data: *100*

    comments: *We have many higher level taxa ranks accross our database (including kingdom, class, subclass, infraorder, series, cohort, superfamily, tribe, etc.), genera, subgenera, species, and a single infraspecific rank (subspecies).*

taxonomic coding:

    taxalist according to: *AFD*

    coding system: *ICZN, CAVS*

availability of specific ecological/biological information:

    comments: *AFD is primarily a taxonomic database, but we try to include some profile data where it is available and we have the funding and expertise to do so.*

<u>reptiles:</u>
taxonomic resolution:

    percentage of species level data: *100*

    comments: *We have many higher level taxa ranks accross our database (including kingdom, class, subclass, infraorder, series, cohort, superfamily, tribe, etc.), genera, subgenera, species, and a single infraspecific rank (subspecies).*

taxonomic coding:

    taxalist according to: *AFD*

    coding system: *ICZN, CAVS*

availability of specific ecological/biological information:

    comments: *AFD is primarily a taxonomic database, but we try to include some profile data where it is available and we have the funding and expertise to do so.*

<u>amphibians:</u>
taxonomic resolution:

    percentage of species level data: *100*

    comments: *We have many higher level taxa ranks accross our database (including kingdom, class, subclass, infraorder, series, cohort, superfamily, tribe, etc.), genera, subgenera, species, and a single infraspecific rank (subspecies).*

taxonomic coding:

taxalist according to:	*AFD*
coding system:	*ICZN, CAVS*

availability of specific ecological/biological information:

comments: *AFD is primarily a taxonomic database, but we try to include some profile data where it is available and we have the funding and expertise to do so.*

terrestrial invertebrates:
taxonomic resolution:

percentage of species level data: *80*

comments: *We have many higher level taxa ranks accross our database (including kingdom, class, subclass, infraorder, series, cohort, superfamily, tribe, etc.), genera, subgenera, species, and a single infraspecific rank (subspecies).*

We are currently adding missing groups and sections of groups that are not yet complete.

taxonomic coding:

taxalist according to:	*AFD*
coding system:	*ICZN*

availability of specific ecological/biological information:

comments: *AFD is primarily a taxonomic database, but we try to include some profile data where it is available and we have the funding and expertise to do so.*

fish:
taxonomic resolution:

percentage of species level data: *100*

comments: *We have many higher level taxa ranks accross our database (including kingdom, class, subclass, infraorder, series, cohort, superfamily, tribe, etc.), genera, subgenera, species, and a single infraspecific rank (subspecies).*

taxonomic coding:

taxalist according to:	*AFD*
coding system:	*ICZN, CAAB*

availability of specific ecological/biological information:

comments: *AFD is primarily a taxonomic database, but we try to include some profile data where it is available and we have the funding and expertise to do so.*

macro-invertebrates:
taxonomic resolution:

percentage of species level data: *90*

comments: *We have many higher level taxa ranks accross our database (including kingdom, class, subclass, infraorder, series, cohort, superfamily, tribe, etc.), genera, subgenera, species, and a single infraspecific rank (subspecies).*

We are currently adding missing groups and sections of groups that are not yet complete.

taxonomic coding:

taxalist according to:	*AFD*
coding system:	*ICZN*

availability of specific ecological/biological information:

comments:	*AFD is primarily a taxonomic database, but we try to include some profile data where it is available and we have the funding and expertise to do so.*

zooplankton:
taxonomic resolution:

percentage of species level data: *60*

comments: *We have many higher level taxa ranks accross our database (including kingdom, class, subclass, infraorder, series, cohort, superfamily, tribe, etc.), genera, subgenera, species, and a single infraspecific rank (subspecies).*

We are currently adding missing groups and sections of groups that are not yet complete.

taxonomic coding:

taxalist according to: *AFD*

coding system: *ICZN*

availability of specific ecological/biological information:

comments: *AFD is primarily a taxonomic database, but we try to include some profile data where it is available and we have the funding and expertise to do so.*

other group(s):
taxonomic resolution:

percentage of species level data: *75*

comments: *We have many higher level taxa ranks accross our database (including kingdom, class, subclass, infraorder, series, cohort, superfamily, tribe, etc.), genera, subgenera, species, and a single infraspecific rank (subspecies).*

We are currently adding missing groups and sections of groups that are not yet complete.

taxonomic coding:

taxalist according to: *AFD*

coding system: *ICZN*

availability of specific ecological/biological information:

comments: *AFD is primarily a taxonomic database, but we try to include some profile data where it is available and we have the funding and expertise to do so.*

Other specifications

GIS layers, shape files related to the dataset:

	species distribution
others/details:	*IBRA and IMCRA layers as well as our older drainage basin maps.*

availability of photos: *yes*

availability of maps: *yes*

quality control procedures:

Were any quality control procedures applied to your dataset?

yes

quality control protocols and comments:

AFD is a rigorous taxonomic database. Information is compiled and updated by experts.

related information: *Not all taxa include images, maps or other profile data.*

comments: *The depth of information available for each taxa varies greatly from group to group. AFD is primarily a taxonomic database, but we try to include some profile data where it is available and we have the funding and expertise to do so.*