



Department of **Biodiversity,
Conservation and Attractions**



**Biodiversity and
Conservation Science**

Metadata Statement

Threatened and Priority Fauna Data

Boranga Fauna Layer

Custodian

Species and Communities Program
Department of Biodiversity, Conservation and Attractions

Description

Abstract: The Department of Biodiversity, Conservation and Attractions (DBCA) maintains a list of animal species which are threatened with extinction (Threatened Fauna), specially protected (migratory, special conservation interest or otherwise in need of specific protection), or extinct, as well as species that may be rare or threatened but for which there are insufficient survey data to accurately determine their status, or are regarded as rare but are not currently Threatened (Priority Fauna).

Contact Information

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Data

The information provided in the data search results is extracted from the following databases:

1. **Boranga** - Consists of validated occurrences of threatened, specially protected and priority listed fauna. Information consists of species name, conservation status, point coordinates, observation date, identification certainty, and other observations fields. Records are validated as much as practicable prior to entry into the database.
2. **NatureMap Legacy Datasets** - Datasets originating from the now-decommissioned NatureMap system. The verification processes applied to these datasets are unknown, and validation may vary.
3. **WA Museum Collection Datasets** - Consist of specimen records from the WA Museum's Arachnid, Bird, Fish, Mammal, Reptile and Amphibian Collections. Location data may be generalised prior to being provided to DBCA.

Geographic Extent

Western Australia

Currency and Status

Beginning date: Historical records from early 1800's

End date: Present day

Maintenance and frequency: Continual, quarterly

Metadata date: July 2026

Access

Stored data format: GIS shapefile

Coordinate System: GDA_2020

Access constraints: This data is sensitive. Access to this dataset is regulated by the DBCA Species and Communities Program.

Data Quality

Lineage: Records may be from surveys, monitoring programs, translocations, opportunistic sightings, evidence/secondary signs, museum specimens or historical documents.

Positional Accuracy: Varies with each record. The spatial data structure is based on point coordinates.

Attribute Accuracy: The attributes are generally accurate. Variability may result from observer differences, or the level of verification given to data sources utilised from outside the Program.

Logical Consistency: Consistency of the Data varies between original data sources. Records from Boranga will be consistent. Other data sources may not be verified to the same level.

Completeness: The completeness of records varies by species depending on the remoteness of their distribution and the survey effort within that area.

Attribute List

Attribute name	Field Type	Values	Field Description
OCC_NUM	Text (string)		Occurrence Number Unique identifying number of the Occurrence (OCC)
OCC_NAME	Text (string)		Occurrence Name Name of the Occurrence
WLD_STATUS	Text (string)	Fauna Translocation, Fauna nest/mound/cave/burrow Gone	Wild Status Status of the occurrence
SPECIE_NUM	Text (string)		Species number Boranga unique species number

SPECIES	Text (string)		Species Name
COMMON_NAM	Text (string)		Common Name
FA_GROUP		Mammal, Bird, Fish, Reptile, Amphibian, Invertebrate	Fauna Group
FA_SUB_GRP			Fauna Subgroup
GEO_MODIFY	Text (string)		Updated Geometry Date Date geometry was last modified
GEOM_ID	Integer (64 bit)		Geometry ID
WA_LEG_CS	Text (string)	BCA	Western Australian Legislative List
WACONSCODE	Text (string)	CR, EN, VU, EX, EW, CD, MI, OS, P1, P2, P3, P4	Western Australian conservation status code
COMWLTH_CS	Text (string)	CR, EN, VU, CD, EX, EW, MI	Commonwealth conservation status code
OBS_DATE	Date		Observation Date The date the observation of this OCC occurred
LOC_DESC	Text (string)		Location Description Detailed description of the OCC's location
LOCALITY	Text (string)		Locality Locality of the location of the ORF (or the nearest locality)
LAT	Decimal		Latitude Latitude coordinate in GDA2020
LONG	Decimal		Longitude Longitude coordinate in GDA2020
BOUND_DESC	Text (string)		Boundary Description Detailed description of the OCC's boundary and how it was created
COORD_SRC	Text (string)	GPS, GIS Data, Derived from Map, Differential GPS, Aerial Imagery, Specimen Record, Threatened and Priority Report Form, Other (specify in comments)	Coordinate Source How the location was determined

LOC_ACC	Text (string)	~5 - 10m, ~30 - 50m, ~300m, ~500m, ~1km, ~2km, ~10km, ~20km, ~50km, ~100km, Unable to determine, Not Assessed	Location Accuracy How accurate the location is
AREA_ASSES	Text (string)	Edge Survey, Full Survey, Partial Survey	Area Assessment Extent of survey
SURVEY_SQM	Text (string)		Area Surveyed The total area that was surveyed for this record (m ²)
AN_ALIVE	Integer (64 bit)		Animals Alive Calculated total of alive animals, including adult, juvenile, age unknown for both male, female and sex unknown (see migration notes for more information)
AN_DEAD	Integer (64 bit)		Animals Dead Calculated total of dead animals, including adult, juvenile, age unknown for both male, female and sex unknown (see migration notes for more information)
SIMP_ALIVE	Integer (64 bit)		Simple Count of Animals Alive Simple recorded number of alive animals (see migration notes for more information)
SIMP_DEAD	Integer (64 bit)		Simple Count of Animals Dead Simple recorded number of dead animals (see migration notes for more information)
AN_BEHAV	Text (string)	Breeding, Foraging, Roosting, Other (specify in comments)	Animal Behaviour
OBS_METHOD	Text (string)	Opportunistic, Translocation, Historical (written), Historical (oral), Survey (specify type in comments), Monitoring (specify type in comments), Collection, Translocation monitoring, Other (specify in comments)	Observation Method Method in which this occurrence was observed

DET_METHOD	Text (string)	Sighting, Heard, Dawn sighting, Day sighting, Dusk sighting, Night sighting, Dead, Caught/trapped, Spotlighting, Remote camera, Remote sensing, Acoustic recorder, Subfossil/fossil, Taken into care, Released, Secondary Sign, Marine entanglement, Specimen, Other (specify in comments)	Primary Detection Method
SEC_SIGN	Text (string)	Heard/Call, Scats, Tracks, Diggings, Nest, Inactive Nest/Mound, Hollow, Artificial hollow, Feathers, Burrow, Bones, Eggs/eggshells, Shell, Feeding residue, Fauna run, Mound, Hair/Fur, Skin, Spider web, Other (specify in comments)	Secondary Signs
BREEDING	Text (string)	Non-breeding, Mating, Breeding colours, Breeding/mating call, Pregnant, Lactating, Young in pouch, Young at heel, Nesting, Eggs, Young in nest, Fledgling/hatchling emergence, Unknown, Inactive Nest/Mound, Artificial Hollow/Nest box, Natural Hollow, Modified Natural Hollow, Courtship behaviour, Mound building, No signs of breeding, Other (specify in comments)	Reproductive State
IDENT_CRTY	Text (string)	Very High, High, Medium, Low, Unassessed	Identification Certainty How certain is the identification of this species (see Interpretation notes for definitions of these values)
OCC_SOURCE	Text (string)		Occurrence Source If this OCC is sourced from Boranga or an external dataset
OCC_STATUS	Text (string)	Active, Draft, Historical	Occurrence Status Status of the OCC

OCC_MOD_DA	Text (string)		Occurrence Modified Date Date of the last time this OCC was modified
REGION	Text (string)	Goldfields, Kimberley, Midwest, Pilbara, South Coast, South West, Swan, Territories, Unknown, Warren, Wheatbelt	Region DBCA Region in which this OCC location occurs
DISTRICT	Text (string)	Goldfields Region, East Kimberly, West Kimberley, Gascoyne, Murchison, Turquoise Coast, Exmouth, Pilbara Region, Albany, Esperance, Blackwood, Wellington, Perth Hills, Swan Coastal, Donnelly, Frankland, Unknown	District DBCA District in which this OCC location occurs.
COMP_DEGRD	Decimal (double)		Completely Degraded Percentage of the area of the Occurrence that is in 'Completely Degraded' condition according to the Keighery Scale. Values in Pristine, Excellent, Very Good, Good, Degraded and Completely Degraded must total 100 or 0.
DEGRADED	Decimal (double)		Degraded Percentage of the area of the Occurrence that is in 'Degraded' condition according to the Keighery Scale. Values in Pristine, Excellent, Very Good, Good, Degraded and Completely Degraded must total 100 or 0.
GOOD	Decimal (double)		Good Percentage of the area of the Occurrence that is in 'Good' condition according to the Keighery Scale. Values in Pristine, Excellent, Very Good, Good, Degraded and Completely Degraded must total 100 or 0.
VERY_GOOD	Decimal (double)		Very Good Percentage of the area of the Occurrence that is in 'Very Good' condition according to the Keighery Scale. Values in Pristine, Excellent, Very Good, Good, Degraded and Completely Degraded must total 100 or 0.

EXCELLENT	Decimal (double)		Excellent Percentage of the area of the Occurrence that is in 'Excellent' condition according to the Keighery Scale. Values in Pristine, Excellent, Very Good, Good, Degraded and Completely Degraded must total 100 or 0.
PRISTINE	Decimal (double)		Pristine Percentage of the area of the Occurrence that is in 'Pristine' condition according to the Keighery Scale. Values in Pristine, Excellent, Very Good, Good, Degraded and Completely Degraded must total 100 or 0.
G_DATATYPE	Text (string)		Content Type Where the geometry is sourced from
GROUP_TYPE	Text (string)	fauna	Group Type Which group (flora, fauna or communities) this occurrence belongs to

Data Interpretation

Identification certainty: Very High: Identification confirmed via an expert for the species, and/or clear photo of an easily distinguishable species, and/or a confirmed specimen.

High: Identification from a clear photo of species and/or knowledgeable observer, and/or detailed description of features/behaviour typical for species

Medium: Identification from a basic description of animal features or behaviour typical for the species but room for ambiguity, and/or photo but low quality

Low: no photo, ambiguous description of animal features/behaviour, not knowledgeable observer

Unassessed: Identification has not been assessed.

Migration Notes: For migrated data from previous TFAUNA database "Certainty" was mapped to Boranga "Identification Certainty" for the following values:

- "Very Certain" and "WAM Vouchered" to "Very High",
- "Certain" to "High",
- "Moderately Certain" to "Medium",
- "Not Sure" to "Low", and
- "Not Defined" to "Unassessed"

AN_ALIVE, AN_DEAD, SIMP_ALIVE and SIMP_DEAD correspond to the alive and dead count of the animal observed. Due to migrated data containing both detailed counts of animals and simple counts which may not have equivalent values, please use SIMP_ALIVE and SIMP_DEAD in the first instance. For data migrated in which it was not indicated that the animal was dead it was assumed to be an alive count, except in the case of Western Australian Museum specimen data, which was assumed to be dead.

Animal Behavior is a new field and will be consistently applied to particular species where this field is available and has been reviewed, at this stage this field will be applied to the three species of threatened Black Cockatoos in WA.

Data Limitations

The results of the Species and Communities Program database searches do not represent a comprehensive list of the Threatened and Priority fauna within the locality in question. The comprehensiveness of the search is dependent on the amount of survey carried out within that locality, and relevant surveys or specimens being forwarded to the department. The database search results should only form part of a desktop study. A search which results in no records in a locality does not necessarily mean that there are no Threatened or Priority fauna in that locality. It may mean that no surveys have been undertaken in that locality, that surveys were not undertaken appropriately, that survey results were not reported to the Department or that the data has yet to be incorporated into the relevant database. There may be many reasons for a null database search result.

Further information

- DBCA website for threatened species and ecological communities
<https://www.dbca.wa.gov.au/management/threatened-species-and-communities>
- Flora, Fauna and Ecological Community Data Searches:
<https://www.dbca.wa.gov.au/media/7002/download>
- Threatened and Priority Fauna Report Form: <https://www.dbca.wa.gov.au/media/1771/download>
- Protocols for monitoring threatened animals: <https://www.dbca.wa.gov.au/media/1773/download>
- Conservation Codes Definitions for Western Australian Flora and Fauna:
<https://www.dbca.wa.gov.au/media/792/download>
- Dandjoo: <https://bio.wa.gov.au/dandjoo>
- Index of Biodiversity Surveys for Assessments (IBSA):
<https://biocollect.ala.org.au/ibsa#max%3D30%26sort%3DdateCreatedSort>
- EPBC Act 1999 Protected Matters Search Tool:
<https://www.dcceew.gov.au/environment/epbc/protected-matters-search-tool>
- EPBC Act List of Threatened Fauna: <https://environment.gov.au/cgi-bin/sprat/public/publicthreatenedlist.pl?wanted=fauna>
- EPBC Migratory List: <https://www.environment.gov.au/cgi-bin/sprat/public/publicshowmigratory.pl>