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The Atlas of Living Australia

www.ala.org.au

CSIRO Scientists in Schools
Canberra, 16 November 2011



The Atlas is funded by the Australian Government under the National Collaborative Research Infrastructure Strategy and further supported by the Super Science Initiative of the Education Investment Fund

The Atlas of Living Australia Offers



- A huge array of information on Australian species, freely accessible through a single website.
- All species, all data, online. Work in progress.
- Tools to set up online observation and survey forms, with the ability to upload photos.
- Mission
 - To develop an authoritative, freely accessible, distributed and federated biodiversity data management system.

Data, Information and Tools

- 170,000 species pages
- Species biology, ecology, status
- 25 million+ distribution records
- Mapping tools
- Photos and images
- Names and classification
- Identification tools
- Heritage literature
- Data on biological collections
- Citizen science and education – add sightings & data
- Volunteer involvement.

Atlas Site Homepage



The Atlas is a work in progress. This website is a window into what we are doing. We are busy integrating many more data sets and solving issues around combining data from different sources. We welcome your [contributions](#). [Learn more.](#)

Get Started

with examples, forums, videos and frequently asked questions



Explore

information on species, maps, collections and regions



Share

sightings, photos and information



feedback

New & Noteworthy



Natural History Collections



Explore Your Area



ABOLH
Australian Barcode of Life



About Identify Life



GBIF



Wattles



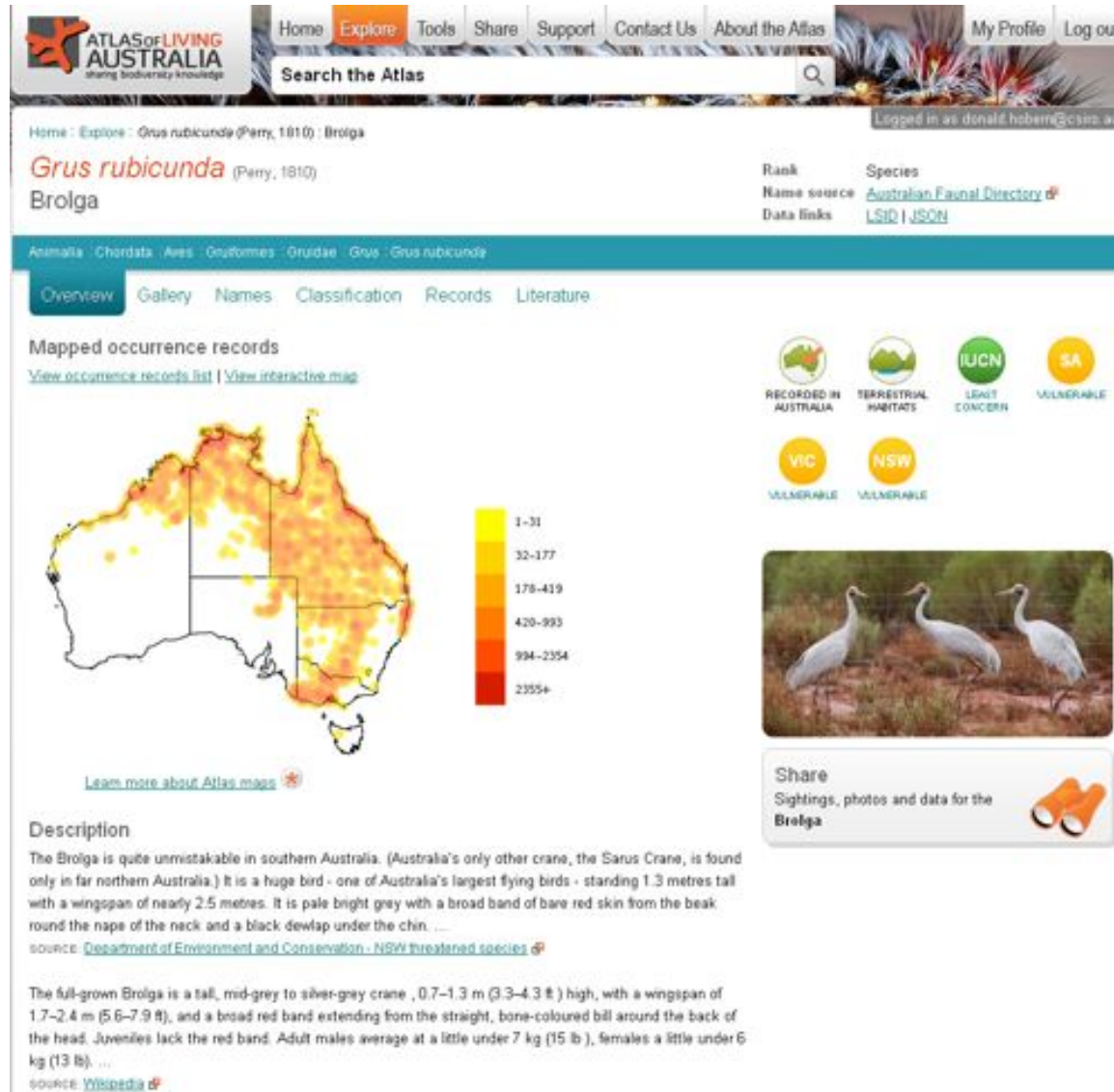
Atlas updates

[More updates](#)

27 SEPTEMBER, 2011
[BioLink Moves to Version 3.0](#)

23 SEPTEMBER, 2011
[Fish Barcoding](#)

170,000+ Species Pages



The screenshot shows the species page for *Grus rubicunda* (Brolga) on the Atlas of Living Australia website. The page includes a navigation bar with links like Home, Explore, Tools, Share, Support, Contact Us, and About the Atlas. A search bar is present, and the user is logged in as 'donald.hoborn@csiro.au'. The species name and rank are displayed, along with the name source (Australian Faunal Directory) and data links (LSID | JSON). A breadcrumb trail shows the taxonomic path: Animals > Chordata > Aves > Gruiformes > Gruidae > Grus > Grus rubicunda. Navigation tabs for Overview, Gallery, Names, Classification, Records, and Literature are visible. The 'Mapped occurrence records' section features a heatmap of Australia with a color scale from 1-31 (yellow) to 23554 (red), indicating the density of records. To the right of the map are icons for 'RECORDED IN AUSTRALIA', 'TERRESTRIAL HABITATS', 'IUCN LEAST CONCERN', 'SA VULNERABLE', 'VIC VULNERABLE', and 'NSW VULNERABLE'. A photograph of three Brolgas is shown below these icons. A 'Share' button is located at the bottom right of the map area. The 'Description' section provides details about the bird's appearance and habitat, with a source link to the Department of Environment and Conservation. A second paragraph describes the full-grown Brolga's size and features, with a source link to Wikipedia.

170,000+ Species Pages

[Home](#) [About](#) [Biological Diversity Facts](#) [Biodiversity Indicators](#)

Eremophila altemifolia R. Br.

Narrow-leaf fuchsia bush

Rank: **Species**
Name source: [Australian Plant Names Index](#)
Data links: [LSD](#) | [JISC](#)

[Flora](#) [Map of Australia](#) [Map of Western Australia](#) [Map of South Australia](#) [Map of Queensland](#) [Map of New South Wales](#) [Map of Victoria](#)

[Overview](#) [Gallery](#) [Names](#) [Classification](#) [Records](#)

Mapped occurrence records

[View occurrence records list](#) | [View interactive map](#)

[Learn more about this map](#)

Description

Eremophila is a large genus of 214 species, all endemic to Australia. They are generally plants of inland and arid areas and are popular with Australian plant enthusiasts.

Eremophila altemifolia is a small to medium shrub which may reach 2 metres in height. The leaves are 10-50 mm long, usually linear and often sticky to the touch.

source: [Australian Native Plants Society \(Australia\)](#)

[Photo ID: 1480, 81](#)
source: [Australian Plant Image Index](#)

25 Million+ Occurrence Records

Home : Explore : *Callocephalon fimbriatum* (Gang-gang Cockatoo)

Callocephalon fimbriatum (J. Grant, 1803) Gang-gang Cockatoo

Rank Species
Name source [Australian Faunal Directory](#) 
Data links [LSID](#) | [JSON](#)

Animals : Chordata : Aves : Psittaciformes : Cacatuidae : *Callocephalon* : *Callocephalon fimbriatum*

[Overview](#) [Gallery](#) [Names](#) [Classification](#) **[Records](#)** [Literature](#)

Occurrence Records

[View list of all 10,665 occurrence records for this taxon](#)

By Dataset

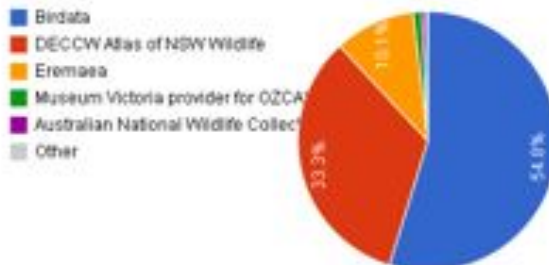
- Birdata: [5,842 records](#)
- DECCW Atlas of NSW Wildlife: [3,653 records](#)
- Eremaea: [1,074 records](#)
- Museum Victoria provider for OZCAM: [112 records](#)
- Australian National Wildlife Collection provider for OZCAM: [60 records](#)
- South Australia Fauna Observations: [11 records](#)
- Australian Museum provider for OZCAM: [4 records](#)
- Tasmanian Museum and Art Gallery provider for OZCAM: [4 records](#)
- Barcode of Life: [2 records](#)
- EOL Flickr Group: [1 records](#)
- Individual Sightings: [1 records](#)
- Western Australia Museum provider for OZCAM: [1 records](#)

Share

Sightings, photos and data for the
Gang-gang Cockatoo



Map of Occurrence Records



25 Million+ Occurrence Records

Home : Explore : Occurrence Records

Occurrence Records

[View as Map](#) [Download](#)

Refine results

10,665 results returned for species: *Callocephalon fimbriatum* : Gang-gang Cockatoo

Record Type

Results per page

Sort by Sort order

[Observation](#) (10,481)
[Specimen](#) (183)
[Unknown](#) (1)

Record: [180739974](#) — Species: *Callocephalon fimbriatum* | Gang-gang Cockatoo
Dataset: Western Australia Museum Provider For OZCAM Record Type: Specimen State: NSW

Specimen Type

[Not A Type](#) (58)
[Not Applicable](#) (1)

Record: [182931675](#) — Species: *Callocephalon fimbriatum* | Gang-gang Cockatoo
Dataset: Eremaea Record Type: Observation Record Date: 1997-01-26 State: VIC

Dataset

[Biodata](#) (5,842)
[DECW Atlas Of NSW Wildlife](#)
(3,553)
[Eremaea](#) (1,074)
[Museum Victoria Provider For OZCAM](#) (112)
[+ Show More](#)

Record: [182931676](#) — Species: *Callocephalon fimbriatum* | Gang-gang Cockatoo
Dataset: Eremaea Record Type: Observation Record Date: 2001-04-29

Record: [182931677](#) — Species: *Callocephalon fimbriatum* | Gang-gang Cockatoo
Dataset: Eremaea Record Type: Observation Record Date: 2004-01-13 State: NSW

Record: [182931678](#) — Species: *Callocephalon fimbriatum* | Gang-gang Cockatoo
Dataset: Eremaea Record Type: Observation Record Date: 2003-09-22 State: VIC

State/Territory

[New South Wales](#) (5,260)
[Victoria](#) (4,853)
[Australian Capital Territory](#) (341)
[South Australia](#) (13)
[+ Show More](#)

Record: [182931679](#) — Species: *Callocephalon fimbriatum* | Gang-gang Cockatoo
Dataset: Eremaea Record Type: Observation Record Date: 1997-04-15 State: ACT

Record: [182931680](#) — Species: *Callocephalon fimbriatum* | Gang-gang Cockatoo
Dataset: Eremaea Record Type: Observation Record Date: 2002-01-05 State: VIC

Record: [182931681](#) — Species: *Callocephalon fimbriatum* | Gang-gang Cockatoo
Dataset: Eremaea Record Type: Observation Record Date: 2001-12-27 State: VIC

Biogeographic Region

[South Eastern Highlands](#) (3,057)
[Sotney Basin](#) (2,714)
[South East Corner](#) (1,254)
[South East Coastal Plain](#) (1,116)
[+ Show More](#)

Record: [182931682](#) — Species: *Callocephalon fimbriatum* | Gang-gang Cockatoo
Dataset: Eremaea Record Type: Observation Record Date: 2002-10-31 State: VIC

Record: [182931683](#) — Species: *Callocephalon fimbriatum* | Gang-gang Cockatoo
Dataset: Eremaea Record Type: Observation Record Date: 1997-03-16 State: VIC

A Single Occurrence Record

Home : Explore : Occurrence Record - 180739974

Logged in as Donald Hobart@ala.org.au

Occurrence Record Details: 180739974

Dataset

[Annotate Dataset](#)

Data Provider	OZCAM (Online Zoological Collections of Australian Museums) Provider
Data Set	Western Australia Museum provider for OZCAM
Institution	Western Australian Museum Institution Code: "WAM"
Collection	Western Australian Museum Bird Collection Collection Code: "AVIF"
Catalogue Number	172
Basis of Record	specimen Supplied as: "preservedSpecimen"
Comments	[0 comments]



Possible Issues

Data validation tools identified the following possible issues:

- Miscellaneous issues: country inferred from coordinates

Taxonomy

[Annotate Taxonomy](#)

Scientific Name	Calliocephalon fimbriatum
Taxon Rank	Species
Common Name	Gang-gang Cockatoo
Kingdom	Animalia
Phylum	Chordata
Class	Aves
Order	Psittaciformes
Family	Cacatuidae Supplied as: "PSITTACIDAE"
Genus	Calliocephalon

Location of record



Records from Field Observations



By dhobern
Donald Hobern

This photo was taken on September 20, 2010 in Acton, Canberra, ACT, AU, using a Nikon E4500.



10 views 1 comment

This photo belongs to

Porela delineata

Porela delineata (Walker, 1855), Black Mountain, Canberra, ACT, 20 September 2010

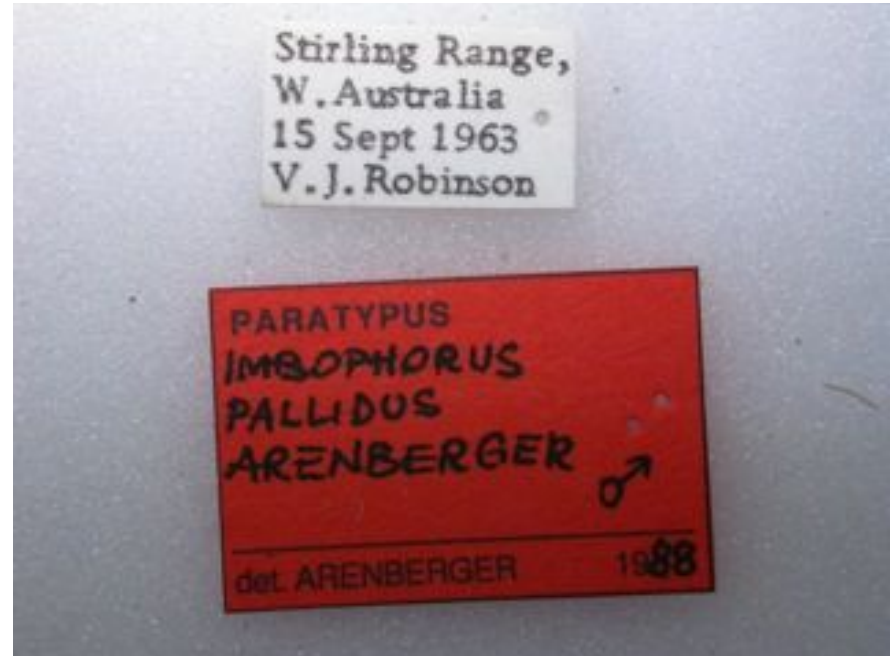
ScientificName:	<i>Porela delineata</i>
Family:	Lasiocampidae
Locality:	Black Mountain
State:	ACT
DateCollected:	2010-09-20
Latitude:	-35.3
Longitude:	149.1
CoordinatePrecision:	10m
CoordinateMethod:	Yahoo! Maps
TypeStatus:	None

Records from Specimens



ScientificName:	<i>Derwentia derwentiana</i>
Family:	Scrophulariaceae
Locality:	0.4 km E of Coryah Gap...
State:	NSW
DateCollected:	1998-12-12
Latitude:	-30.3
Longitude:	150.1
CoordinatePrecision:	200m
CoordinateMethod:	Paper map
TypeStatus:	None

Records from Specimens



ScientificName:	<i>Imbophorus pallidus</i>
Family:	Pterophoridae
Locality:	Stirling Range
State:	WA
DateCollected:	1963-09-15
Latitude:	-34.3
Longitude:	118.0
CoordinatePrecision:	10000
CoordinateMethod:	Google Earth
TypeStatus:	Paratypus

Powerful Mapping Tools



- 300+ layers for mapping and analysis.
- Suite of powerful mapping tools.

Species in Your Local Area



Home **Explore** Tools Share Support Contact Us About the Atlas My Profile Log out

Search the Atlas

Home : Explore : Your Area

Logged in as donald.haber@csiro.au

Explore Your Area

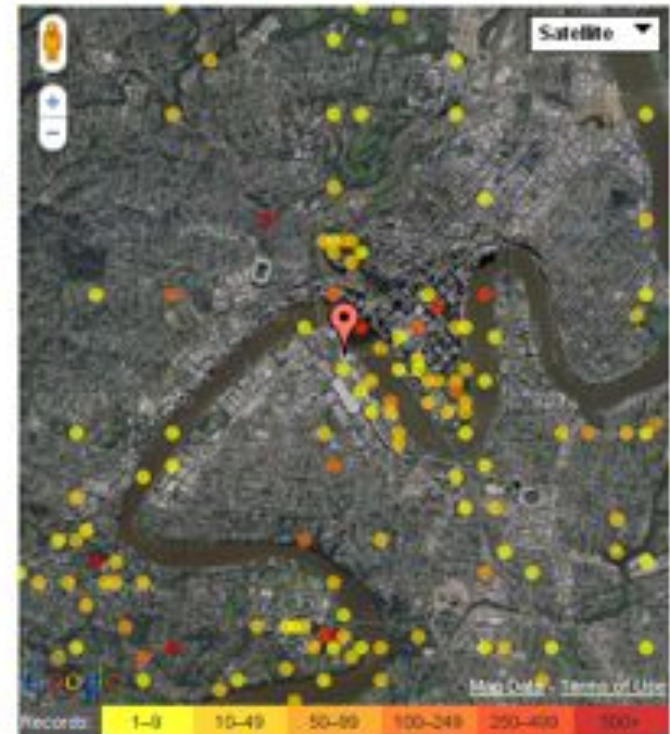
Enter your location or address

E.g. a street address, place name, postcode or GPS coordinates (as lat, long)

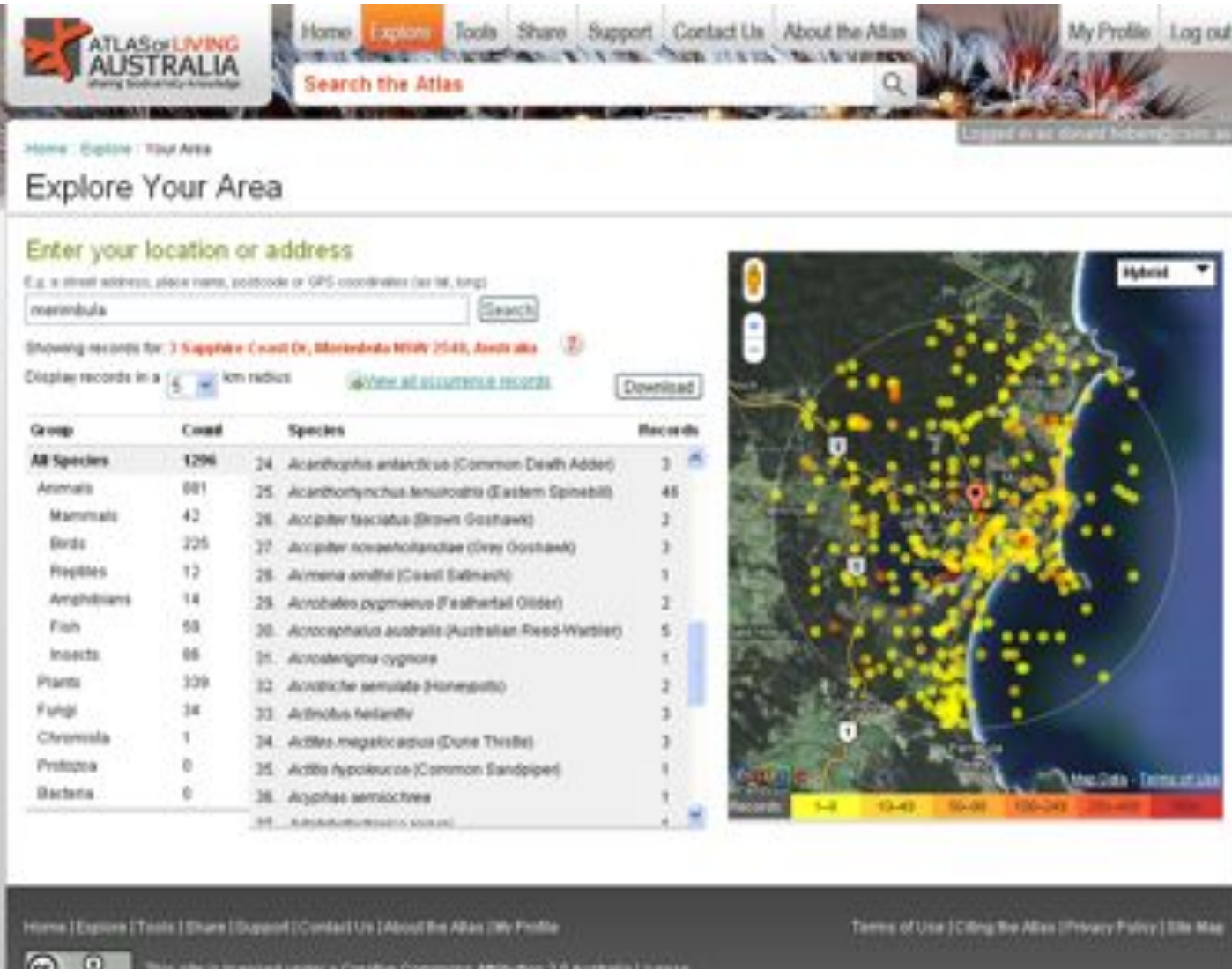
Showing records for: **74 Stanley St, South Brisbane QLD 4101, Australia** ?

Display records in a km radius [View all occurrence records](#)

Group	Count	Species	Records
All Species	2947	28. <i>Acacia podalyrifolia</i> (Mount Morgan Wattle)	2
Animals	1551	29. <i>Acacia spectabilis</i> (Glory Wattle)	1
Mammals	12	30. <i>Acacia suaveolens</i> (Sweet Wattle)	2
Birds	219	31. <i>Acacia ulicifolia</i> (Prickly Moses)	2
Reptiles	40	32. <i>Acalypha australis</i>	1
Amphibians	28	33. <i>Acalypha nemorum</i>	8
Fish	42	34. <i>Acanthiza chrysomhoa</i> (Yellow-rumped Thornbill)	2
Insects	1110	35. <i>Acanthiza pusilla</i> (Brown Thornbill)	1
Plants	1139	36. <i>Acanthiza reguloides</i> (Buff-rumped Thornbill)	1
Fungi	82	37. <i>Acanthopagrus australis</i> (Yellowfin Bream)	1
Chromista	0	38. <i>Acanthopis antarcticus</i> (Common Death Adder)	6
Protozoa	1	39. <i>Acanthopylla pavidia</i>	1
Bacteria	0	40. <i>Acanthorhynchus tenuirostris</i> (Eastern Spinebill)	1



Species in Your Local Area



Home | Explore | Tools | Share | Support | Contact Us | About the Atlas | My Profile | Log out

Search the Atlas

Home | Explore | Your Area

Explore Your Area

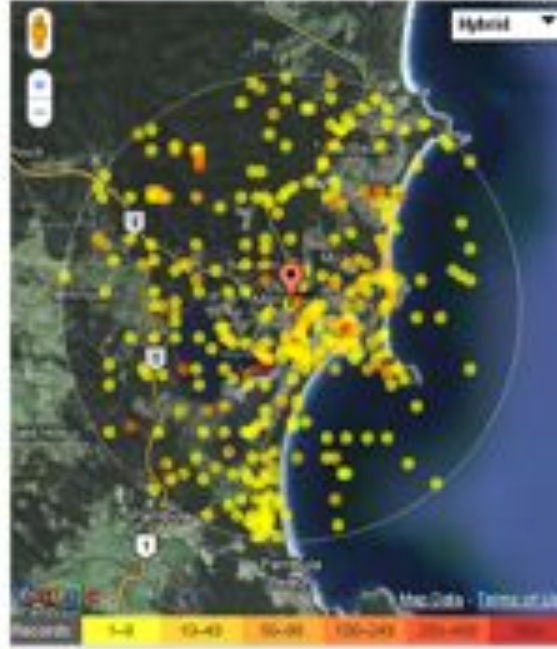
Enter your location or address
E.g. a street address, place name, postcode or GPS coordinates (as lat, long)

manubula

Showing records for: 1 Sappho's Coast Dr, Manubula NSW 2548, Australia

Display records in a km radius [View all occurrence records](#)

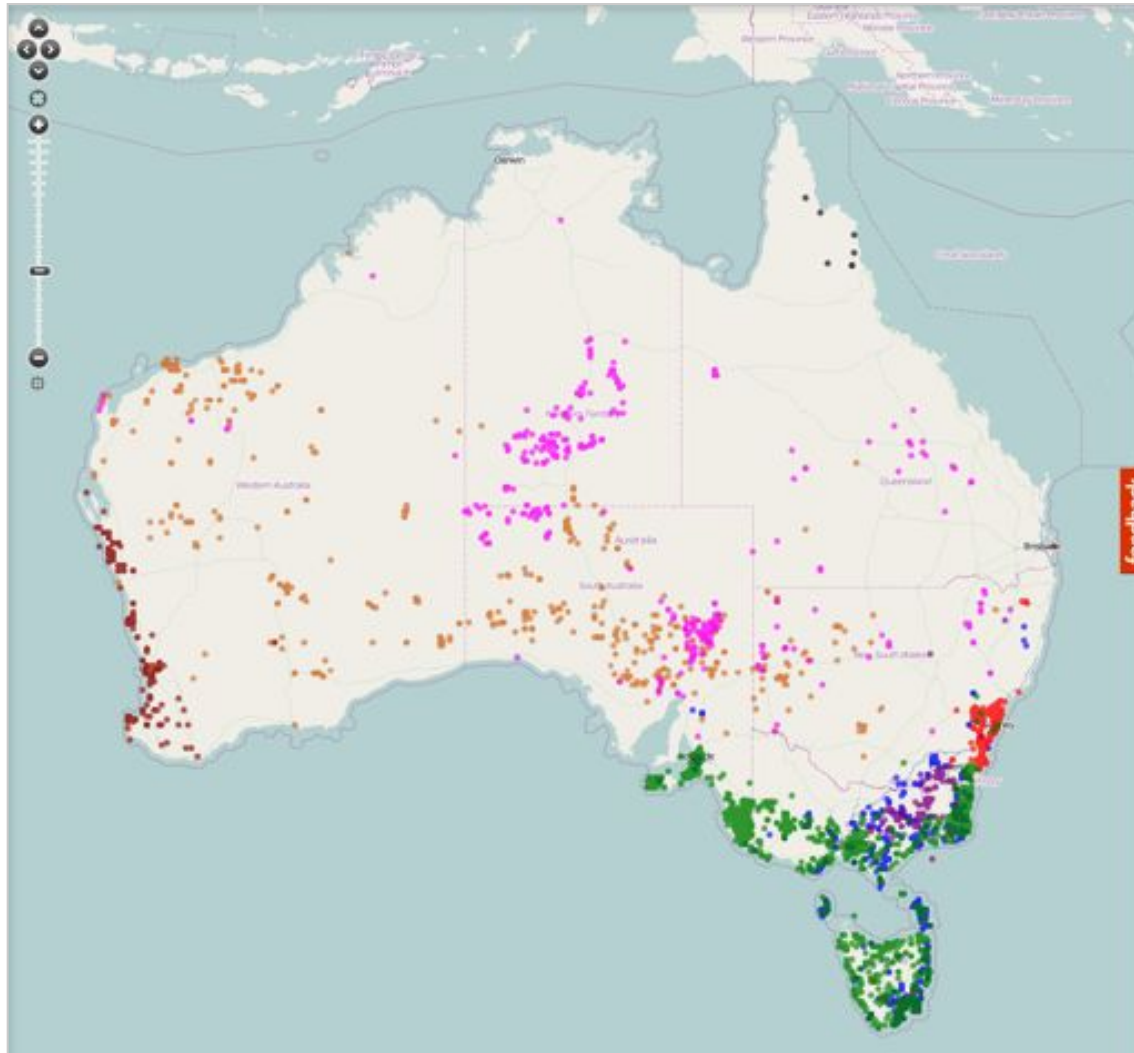
Group	Count	Species	Records
All Species	1296	24. <i>Acanthopis antarcticus</i> (Common Death Adder)	3
Animals	881	25. <i>Acanthorhynchus tenuirostris</i> (Eastern Spinebill)	48
Mammals	42	26. <i>Accipiter fasciatus</i> (Brown Goshawk)	2
Birds	225	27. <i>Accipiter novaehollandiae</i> (Grey Goshawk)	2
Reptiles	12	28. <i>Acmena smithi</i> (Coast Fatnash)	1
Amphibians	14	29. <i>Acrobates pygmaeus</i> (Feather-tail Glider)	2
Fish	93	30. <i>Acrocephalus australis</i> (Australian Reed-Warbler)	5
Insects	88	31. <i>Acrocalymma cygnus</i>	1
Plants	329	32. <i>Acrotiche senilis</i> (Honeygum)	2
Fungi	24	33. <i>Actinobus fedantii</i>	2
Chromista	1	34. <i>Actitis megalauchen</i> (Dune Thistle)	2
Protozoa	0	35. <i>Actitis hypoleucos</i> (Common Sandpiper)	1
Bacteria	0	36. <i>Agriphas semiochea</i>	1
		37. <i>Amblyrhynchus</i> (Species)	4



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Where is Each Species Found?



WA



Anigozanthos manglesii
Mangles' Kangaroo Paw

NT



Gossypium sturtianum
Sturt's Desert Rose

SA



Swainsona formosa
Sturt Pea

QLD



Vappodes phalaenopsis
Cooktown Orchid

NSW



Telopea speciosissima
Waratah

ACT



Wahlenbergia gloriosa
Royal Bluebell

VIC



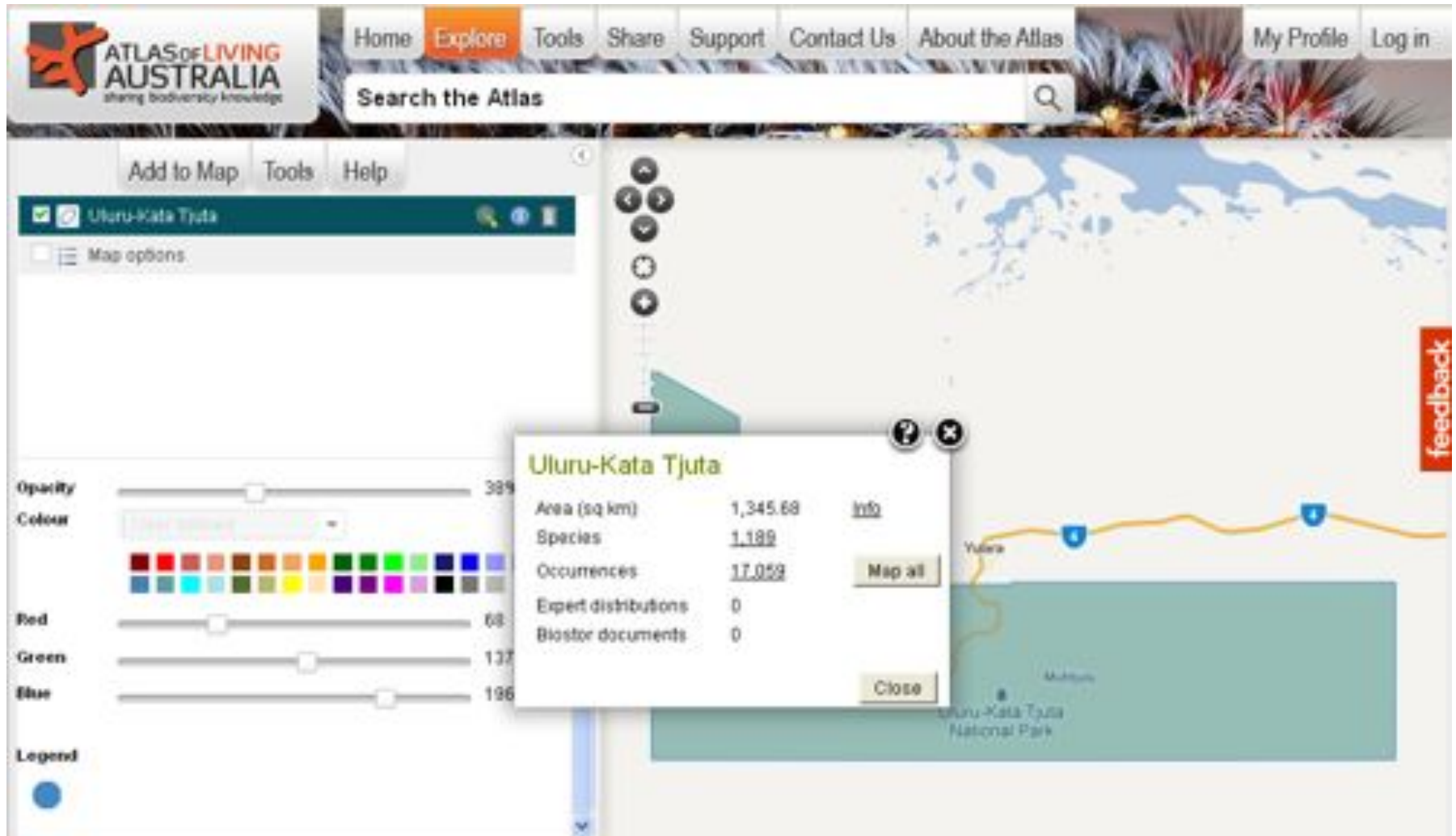
Epacris impressa
Common Heath

TAS



Eucalyptus globulus
Blue Gum

Map Species – Define Area

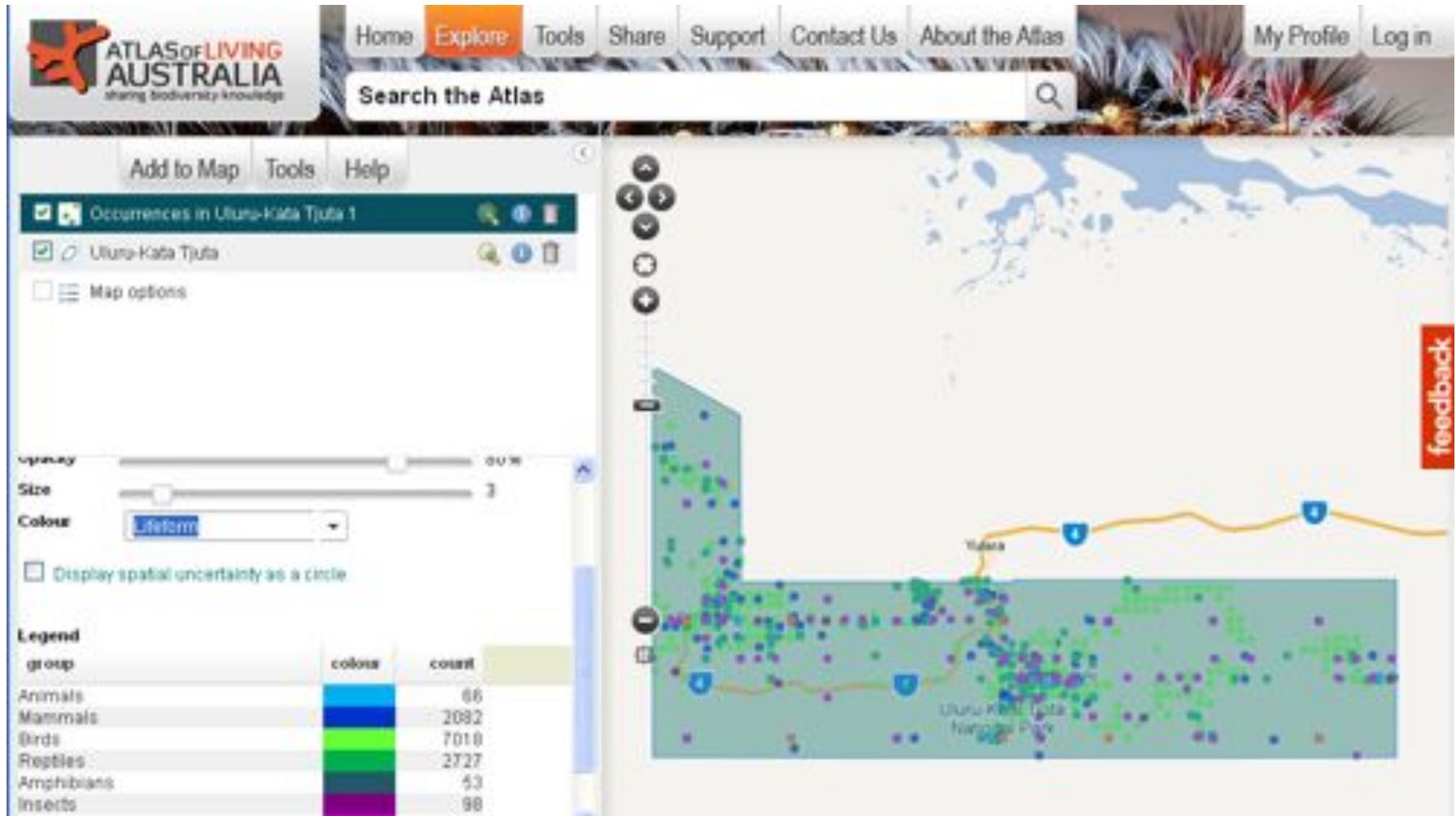


The screenshot shows the Atlas of Living Australia web interface. At the top, there is a navigation bar with links for Home, Explore, Tools, Share, Support, Contact Us, and About the Atlas. A search bar is located below the navigation bar. The main content area features a map of Australia with a green polygon highlighting the Uluru-Kata Tjuta National Park. A data popup window is open over the map, displaying the following information:

Uluru-Kata Tjuta	
Area (sq km)	1,345.68
Species	1,189
Occurrences	17,059
Expert distributions	0
Biostor documents	0

The popup window also includes an 'Info' link, a 'Map all' button, and a 'Close' button. On the left side of the interface, there are controls for 'Add to Map', 'Tools', and 'Help'. Below these, there is a section for 'Map options' and a color selection tool with a grid of color swatches and sliders for Opacity, Red, Green, and Blue. A 'Legend' section is visible at the bottom left. A 'feedback' button is located on the right side of the map area.

Map Species – All Species



Home Explore Tools Share Support Contact Us About the Atlas My Profile Log in

Search the Atlas

Add to Map Tools Help

Occurrences in Uluru-Kata Tjuta 1

Uluru-Kata Tjuta

Map options

Opacity: 0.50

Size: 3

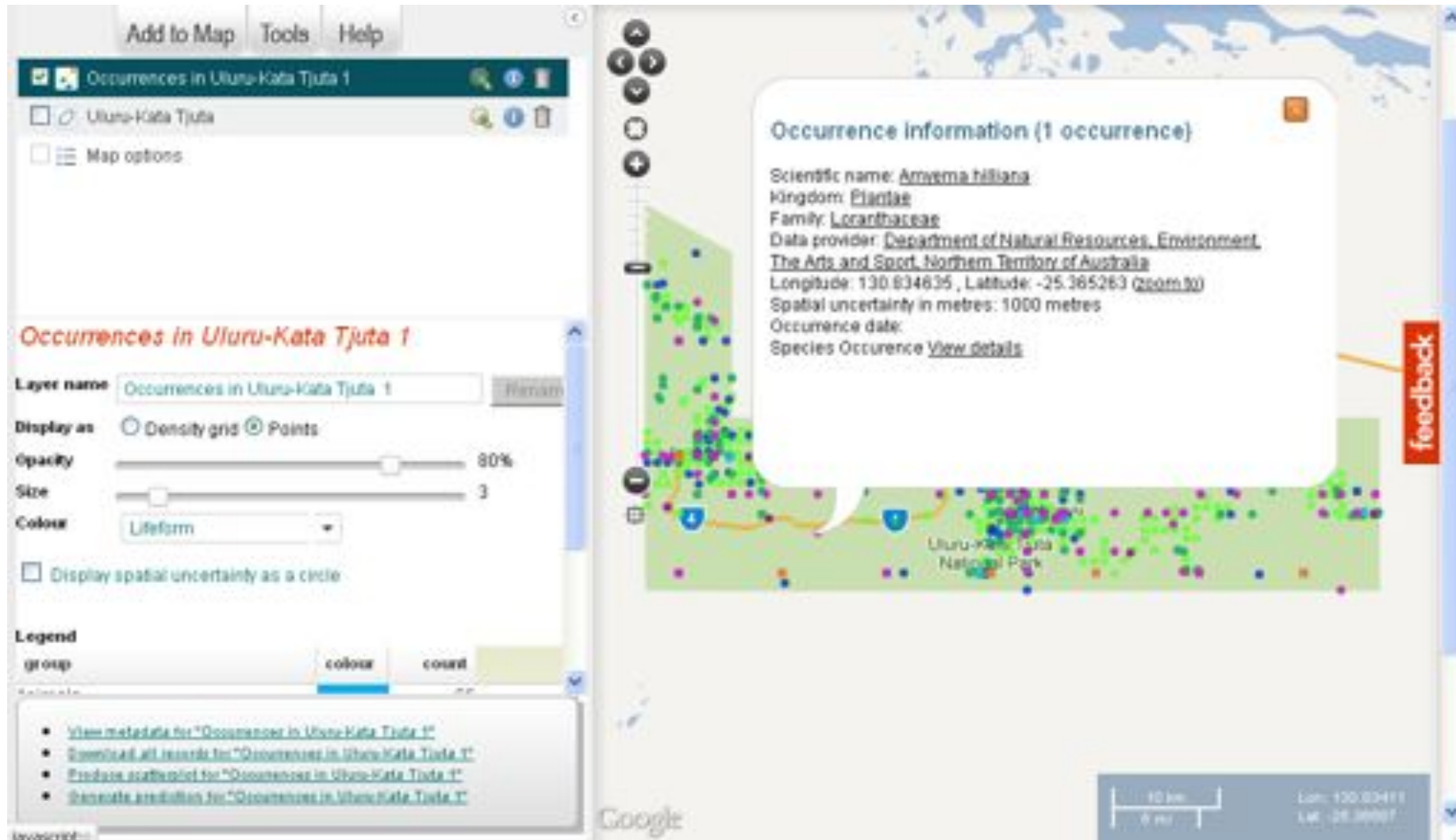
Colour: Lifeform

Display spatial uncertainty as a circle

group	colour	count
Animals	Blue	86
Mammals	Dark Blue	2082
Birds	Light Green	7010
Reptiles	Green	2727
Amphibians	Dark Green	53
Insects	Purple	98

feedback

Click to See Occurrence Details



The screenshot displays the Atlas of Living Australia web interface. On the left, a sidebar contains a layer titled "Occurrences in Uluru-Kata Tjuta 1" with a search icon, a close icon, and a trash icon. Below this, there are checkboxes for "Uluru-Kata Tjuta" and "Map options". The main map area shows a green area representing the Uluru-Kata Tjuta National Park, with numerous small, multi-colored dots representing species occurrences. A popup window titled "Occurrence information (1 occurrence)" is open, displaying the following details:

- Scientific name: [Amymma hilliana](#)
- Kingdom: [Plantae](#)
- Family: [Loranthaceae](#)
- Data provider: [Department of Natural Resources, Environment, The Arts and Sport, Northern Territory of Australia](#)
- Longitude: 130.834635, Latitude: -25.365263 (zoom to)
- Spatial uncertainty in metres: 1000 metres
- Occurrence date:
- Species Occurrence [View details](#)

On the right side of the popup, there is a red "feedback" button. The bottom right corner of the map shows a scale bar (0 to 10 km) and coordinates: Lon: 130.83411, Lat: -25.36607. The Google logo is visible at the bottom left of the map area.

Map Regional Information

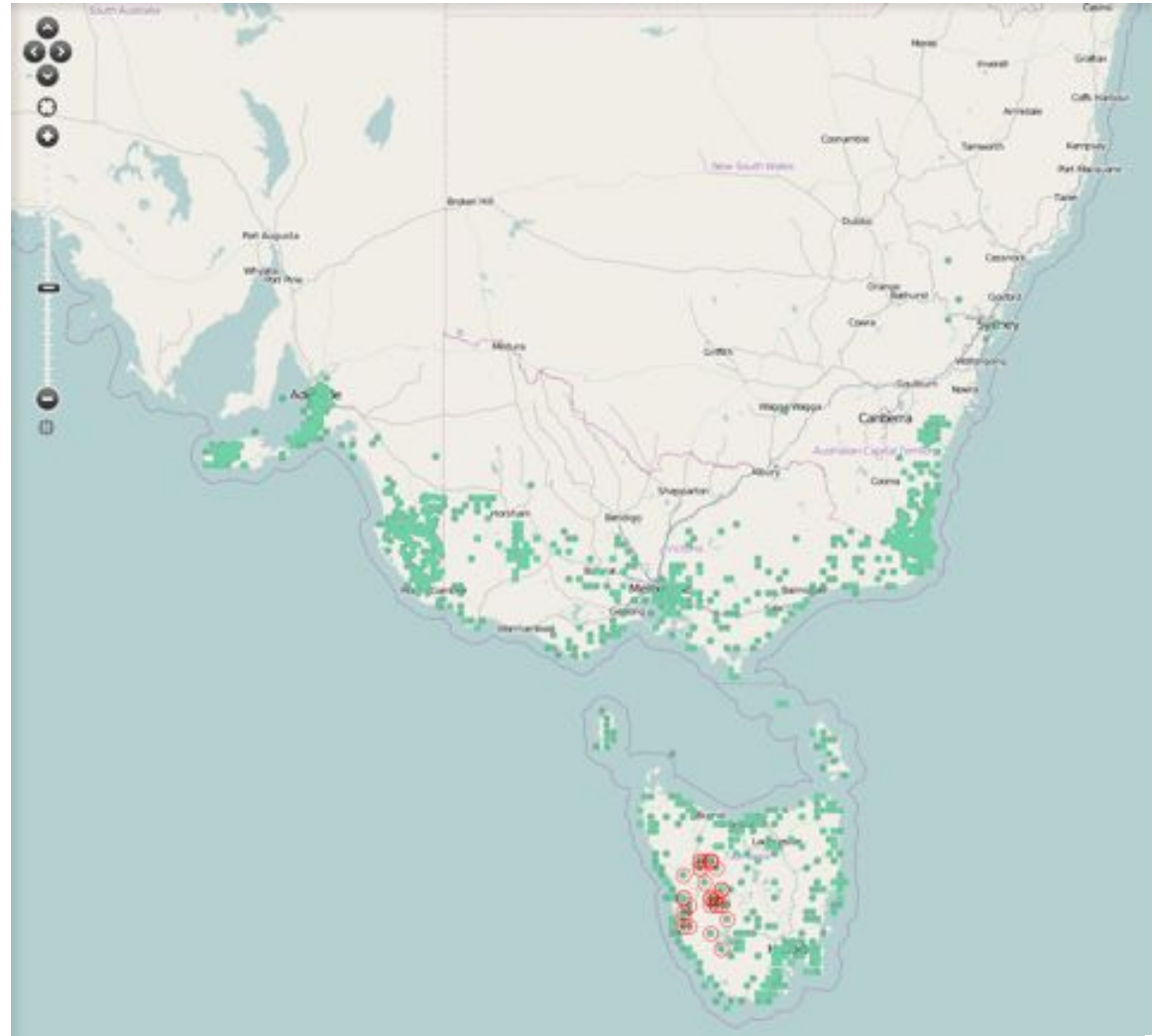
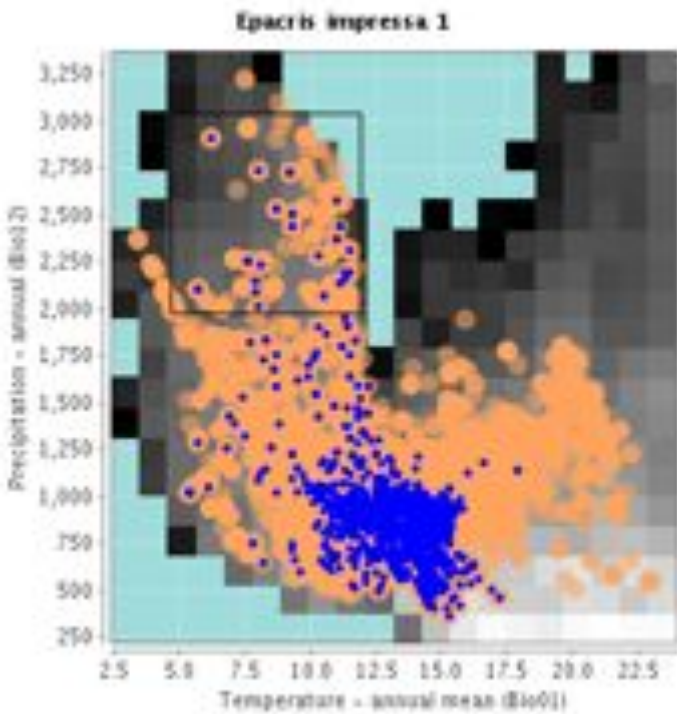
The screenshot displays the Atlas of Living Australia web interface. At the top, there is a navigation bar with links for Home, Explore, Tools, Share, Support, Contact Us, About the Atlas, My Profile, and Log in. A search bar labeled "Search the Atlas" is also present. The main content area features a map of the Southern Rivers region in Australia, with a green shaded area representing the region. A popup window titled "Southern Rivers" provides the following data:

Area (sq km)	31,709.19
Species	12,216
Occurrences	795,490
Expert distributions	15
Boat documents	16

Below the popup, there is a settings panel for the "Occurrences in Southern Rivers 1" layer. The panel includes options for "Add to Map", "Tools", and "Help". The "Display as" section has radio buttons for "Density grid" and "Points", with "Points" selected. The "Opacity" slider is set to 80%, and the "Size" slider is set to 1. The "Color" dropdown is set to "User defined", and a color palette is visible. The "Fill" slider is set to 0, the "Green" slider is set to 100, and the "Blue" slider is set to 0. There is also a checkbox for "Display spatial uncertainty as a circle". A legend at the bottom left provides links to view area, species, and occurrence data for the region.

feedback

Environmental Mapping - Layers



Niche modelling

Maxent model for *Epacris impressa*

This [Maxent](#) v3.3.3a predictive model for *Epacris impressa* was created Fri Jul 29 13:27:52 EST 2011. Links at the bottom of this page to the raw data may be used for further analysis.

Model reference number: 1311909973484

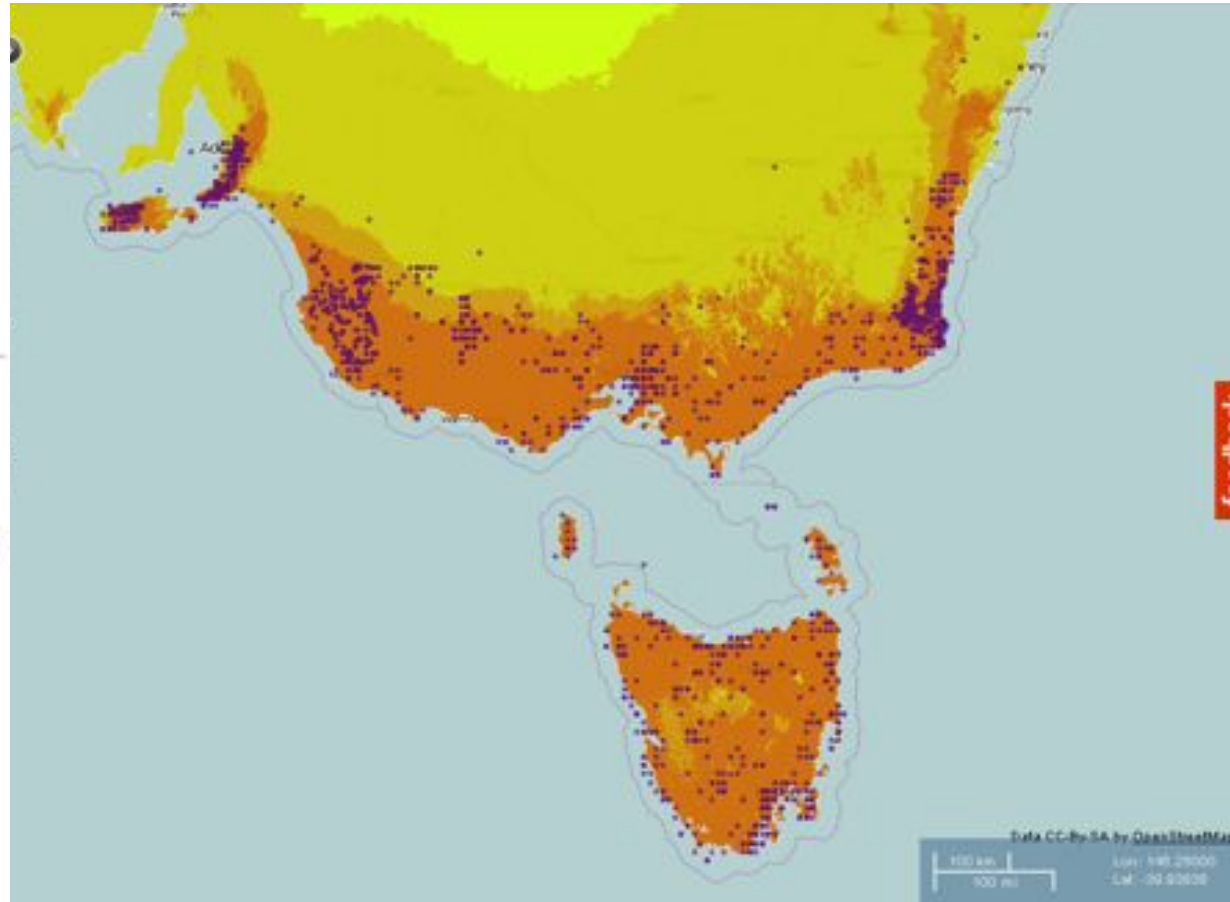
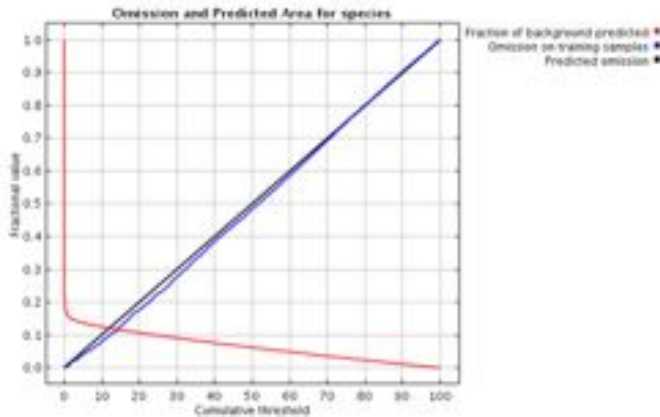
Species: *Epacris impressa* (species)

Layers:

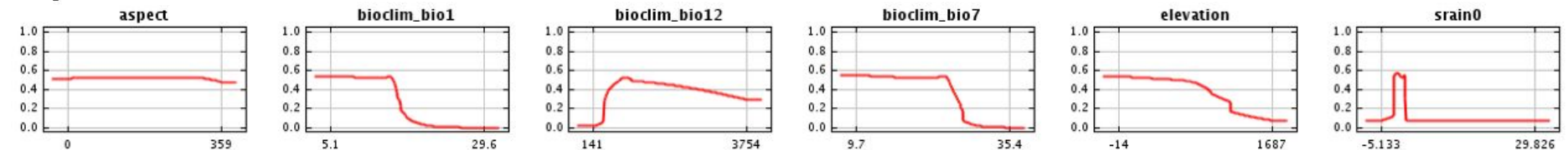
- Precipitation - annual (Bio12) (bioclim_bio12)
- Precipitation - annual seasonality (rain0)
- Temperature - annual mean (Bio1) (bioclim_bio1)
- Temperature - annual range (Bio7) (bioclim_bio7)
- Aspect (aspect)
- Elevation (elevation)

Analysis of omission/commission

The following picture shows the omission rate and predicted area as a function of the cumulative threshold. The omission rate is calculated both on the training presence records, and (if test data are used) on the test records. The omission rate should be close to the predicted omission, because of the definition of the cumulative threshold.



Response curves



Species photos and images



Diagnostic photos



Showing image 2000569

Species Names

Home : Explore : *Orthetrum caledonicum* (Brauer, 1865) : Blue Skimmer

Orthetrum caledonicum (Brauer, 1865)

Blue Skimmer

Rank
Name source
Data links

Species
[Australian Faunal Directory](#) 
[LSD](#) | [JSON](#)

Animals : Arthropods : Insecta : Odonata : Libellulidae : Orthetrum : *Orthetrum caledonicum*

Overview Gallery **Names** Classification Records Literature

Accepted Name

Orthetrum caledonicum (Brauer, 1865)

SOURCE: [Australian Faunal Directory](#) 

Synonyms

Libellula caledonica Brauer, 1865 Brauer, 1865

SOURCE: [Australian Faunal Directory](#) 

Orthetrum coeleste (Selys in Hagen, 1849) (Selys, 1849)

SOURCE: [Australian Faunal Directory](#) 

Common Names

Blue Skimmer

SOURCE: [Girraween National Park](#) 

Is this a preferred common name for this species? [YES](#) | [NO](#)

SOURCE: [Australian Insect Common Names](#) 

SOURCE: [Department of Environment, Climate Change and Water](#) 

Blue Skimmer Dragonfly

SOURCE: [AusInCreatures](#) 

Is this a preferred common name for this species? [YES](#) | [NO](#)

Blue Skimmer Dragonfly - Female

SOURCE: [AusInCreatures](#) 

Species Classification

Home . Explore . *Eremophila alternifolia* R.Br. : Narrow-leaf fuchsia bush

Eremophila alternifolia R.Br.
Narrow-leaf fuchsia bush

Rank: Species
Name source: [Australian Plant Names Index](#) 
Data links: [LSID](#) | [JSON](#)

[Plantae](#) . [Magnoliophyta](#) . [Magnoliopsida](#) . [Lamiales](#) . [Myoporaceae](#) . [Eremophila](#) . [Eremophila alternifolia](#)

[Overview](#) [Gallery](#) [Names](#) [Classification](#) [Records](#)

Scientific Classification

- kingdom: [Plantae](#)
- phylum: [Magnoliophyta](#)
- class: [Magnoliopsida](#)
- order: [Lamiales](#)
- family: [Myoporaceae](#)
- genus: [Eremophila](#)
- species: [Eremophila alternifolia](#): Narrow-leaf fuchsia bush 
 - variety: [Eremophila alternifolia var. alternifolia](#) 
 - variety: [Eremophila alternifolia var. latifolia](#) 

Rich Data: Identification Tools



IdentifyLife is a global, collaborative project providing users to identify the world's living organisms.

The world is full of a vast array of extraordinary organisms, from the largest trees, mammals and fish to the tiniest diatoms, algae and bacteria. There is an enormous amount of information about these organisms and their lives, habits and characteristics. IdentifyLife is all about bringing people and the information about the world's living creatures together, welcome to IdentifyLife.



Rich Data: Identification Tools



The screenshot shows the IdentifyLife Key Central website interface. At the top, there is a navigation bar with 'Home', 'Key Central', 'My Identifications', and 'Key to all Life'. Below this is a search bar and a 'Contribute' button. The main content area displays a search result for a key to the species of Senna in Australia. The key is titled 'Key to the species of Senna in Australia' and is described as a dichotomous key from the Flora of Australia. A table of metadata is provided for this key, including author, publisher, viewer, language, accessibility, taxonomic scope, geographic scope, completeness, vocabulary, technical skills, and images. Below the main result, there are two more search results for keys to the species of Chamaecrista and Labichea in Australia, each with a 'Details...' link.

IdentifyLife Key Central

Home Key Central My Identifications Key to all Life Login

Search Contribute View: [All] [Most Recent] [Most Popular] [Featured]

Key to the species of Senna in Australia [Edit]

A dichotomous key to the species of Senna in Australia, from the Flora of Australia [View]

Author:	B.R. Randell, D.A. Barlow
Published:	Australian Biological Resources Study
Viewer:	[not recorded]
Language:	English
Accessibility:	Freely accessible
Taxonomic Scope:	Senna
Geographic Scope:	Australia (Country)
Completeness:	Complete
Vocabulary:	Some complex, technical language
Technical Skills:	Moderate technical skills required
Images:	No illustrations (edit only)
Contact Details:	

Key to the species of Chamaecrista in Australia [Edit]

A dichotomous key to the species of Chamaecrista in Australia, from the Flora of Australia [Details ...]

Key to the species of Labichea in Australia [Edit]

A dichotomous key to the species of Labichea in Australia, from the Flora of Australia [Details ...]

Data on Biological Collections

Australia's natural history collections

Learn about the institution, the collections they hold and view records of specimens that have been databased. Currently only the collections of ALA partners are shown. Over time this list will expand to include all natural history collections in Australia.

Map List

Click a button to only show those organisms.

All collections

Show all 141 collections.



Fauna

Mammals, birds, reptiles, fish, amphibians and invertebrates.



Insects

Insects, spiders, mites and some other arthropods.



Microorganisms

Protists, bacteria, viruses, microfungi and microalgae.



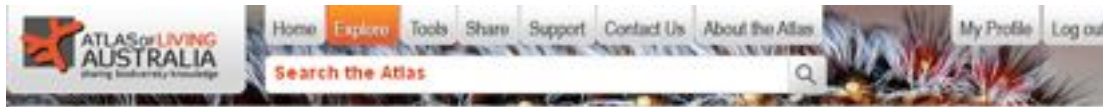
Plants



Click on a map pin to see the collections at that location. Use the map controls to zoom into an area of interest. Or drag your mouse while holding the shift key to zoom to an area.



Data on Biological Collections



Home | Explore | Natural History Collections | Australian Museum

Australian Museum

Acronyms: AM | [LSID](#)



Description

The Australian Museum is making a range of species information and data from its natural history collections available through the Atlas of Living Australia.

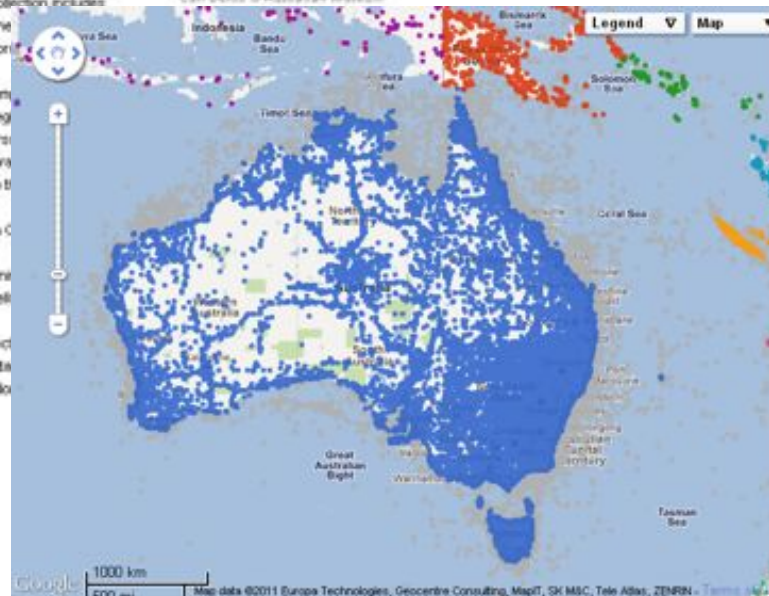
The Australian Museum has worked with Rio Tinto (<http://australianmuseum.net.au/our-corporate-partners/>) to develop BioMaps (<http://www.biomaps.net.au/biomaps2/>), a set of tools for accessing, mapping and analysing Australian biodiversity data. The ALA is exploring ways to collaborate with the Australian Museum and with Rio Tinto to further this work within the framework of the Atlas.



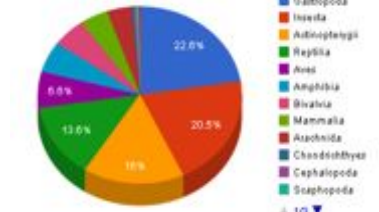
Stag Beetle, *Lucania* spp. Photo: Carl Beato © Australian Museum 2007
Carl Beato © Australian Museum

Collections

- Australian Museum Arachnology Collection** The Australian Museum Arachnology collection includes arachnids (spiders and their relatives), myriapods (centipedes and millipedes and the onychophorans (velvet worms), and landgrades (water bears). The Arachnida represent a proportion of the collections, at about 95%.
- Australian Museum Entomology Collection** In the insect (s.l.) collection, there is an emphasis on South Wales fauna, although there are significant holdings from other states and regions. It has internationally significant holdings of acalyptate Diptera, Psocoptera, and Chrysomelids. Major Australian collections of Neuroptera, Megaloptera, Lepidoptera, and Coleoptera are also held.
- Australian Museum Herpetology Collection** Two thirds of collection are reptiles, two thirds are lizards. Contains collections of most recently extinct eastern Australian frogs.
- Australian Museum Ichthyology Collection** As one would expect, the Fish Research Centre holds many adult and larval fish specimens. These are used by researchers worldwide.
- Australian Museum Malacology Collection** Malacology is the study of the group of animals known as molluscs. Molluscs include chitons, clams, mussels, snails, nudibranchs (sea slugs), bivalve shells and squid.
- Australian Museum Mammalogy Collection** The Australian Museum Mammalogy collection is the most comprehensive collections of Australasian mammals in the world. While it contains specimens from all over the world the largest collections are from Australia, Papua New Guinea, Indonesia and the Solomon Islands.

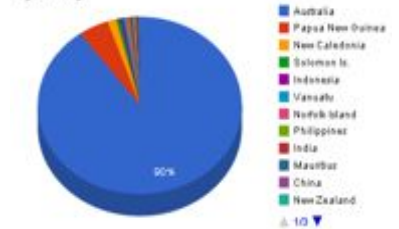


By class

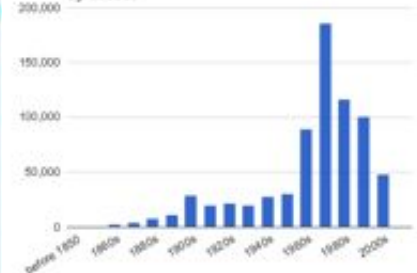


Click a slice to drill into the next taxonomic level.
[View all records](#)

By country



By decade



Heritage Literature



Biodiversity Heritage Library AUSTRALIA

[About BHL](#) [Contact Us](#)

The Biodiversity Heritage Library-Australia is the digital literature component of the Atlas of Living Australia. BHL-Au also participates in the consortium of Biodiversity Heritage Libraries and affiliated literature digitisation projects around the world.

Search Our Collection



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 Maps

 Year

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Heritage Literature

Records of the Australian Museum

Volume 1903 (1890-1893) Download Book

My PDF 104 Pages Added Transcribe Generate

Illustrations of the Genera of the genus *Stenocryptus*

- 1. *Stenocryptus* *Stenocryptus* from the collection of
- 2. *Stenocryptus* *Stenocryptus* from the collection of
- 3. *Stenocryptus* *Stenocryptus* from the collection of
- 4. *Stenocryptus* *Stenocryptus* from the collection of
- 5. *Stenocryptus* *Stenocryptus* from the collection of
- 6. *Stenocryptus* *Stenocryptus* from the collection of
- 7. *Stenocryptus* *Stenocryptus* from the collection of



8. H. B. Shaw, del.

84 of 450


Citizen Science - Add a Sighting

Home Explore Tools Share Support Contact Us About the Atlas My Profile Log out

Search the Atlas

Logged in as donald.hobem@csiro.au

Share a Sighting

Elanus axillaris : Black-shouldered Kite 

Date: 21 Sep 2011

Time: 15:55

Individual Count: 1

Location: LOT 7 Hume Hwy, Glenfield NSW 2167, Australia

Latitude: -33.973061

Longitude: 150.874739

Coordinate: 500


Uncertainty in Meters:

Additional Comments: Hovering and heading south

Media File: Choose File No file chosen Clear

Bookmarked locations: -- select bookmarked location --
Hume Highway, near South Western Motorway Find

Bookmark location Set as default



Hints: click and drag the marker to fine-tune the location coordinates.

Examples Using ALA Software



- Biodiversity Snapshots – Museum Victoria and Vic Dep Education and Early Childhood Development.
- Wild Backyards - Queensland Museum.
- Birds Australia – Carnaby’s Black Cockatoo Recovery, Bird Atlas, Shorebirds 2020. Mention EAGLECAM.
- ClimateWatch
- Great Eastern Ranges – 12 projects eg. squirrel glider
- Atlas of Life in the Coastal Wilderness – Merimbula.

Biodiversity Snapshots



Welcome to Biodiversity Snapshots

Animals, such as mammals, birds and insects live all around us. But have you ever really looked at what's in your local area? And can you identify what you see?

Biodiversity Snapshots will help you to learn more about the animals around us every day by combining mobile technology and science. We provide you with a field guide, identification tool and way to record your observations all on a mobile device – your phone, netbook, or tablet. You make the observations and participate as a citizen scientist.



[Register Now](#) ➔

[Take a tour](#) ➔

It's easy to participate...

1 Register your school

Enter class details and create logins for students.

Plan a field trip. Decide where you will look for animals and which animals you want to observe. Generate your mobile survey.

2 Go outside!

Look around. Be patient. Walk and talk quietly. Look up into the trees and down into the leaf litter to find mammals, lizards, birds, butterflies, spiders and bugs.

Use the Field Guide and Help-Me ID tool to identify the animals you see.

3 Record your observations

Upload your data back to the Biodiversity Snapshots main dashboard.

Analyse your results and share them back.

Our Education Program

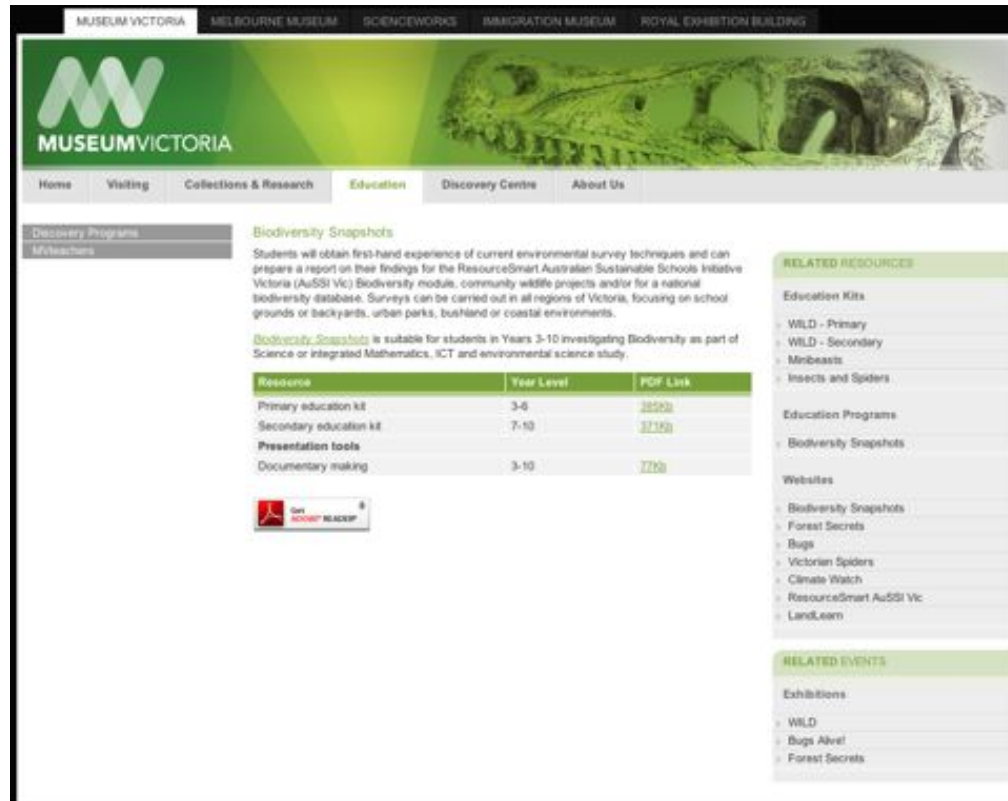
provides many resources for use before, during and after your Biodiversity Snapshots field trip.

Latest Statistics

Total number of records 863
 Number of species recorded 178
 Number of species in field guide 650

Last Record

Was created on 08 Nov 2011 by Ecoline and was a Caddisfly (*Lepidostomatidae*) in the group Freshwater Invertebrates.

MUSEUM VICTORIA MELBOURNE MUSEUM SCIENCESWORKS IMMIGRATION MUSEUM ROYAL EXHIBITION BUILDING

MUSEUM VICTORIA

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Discovery Programs
 Myteachers

Biodiversity Snapshots

Students will obtain first-hand experience of current environmental survey techniques and can prepare a report on their findings for the ResourceSmart Australian Sustainable Schools Initiative Victoria (AuSSI Vic) Biodiversity module, community wildlife projects and/or for a national biodiversity database. Surveys can be carried out in all regions of Victoria, focusing on school grounds or backyards, urban parks, bushland or coastal environments.

Biodiversity Snapshots is suitable for students in Years 3-10 investigating Biodiversity as part of Science or integrated Mathematics, ICT and environmental science study.

Resource	Year Level	PDF Link
Primary education kit	3-6	2852b
Secondary education kit	7-10	3735b
Presentation tools		
Documentary making	3-10	770b

[Get READY!](#)

RELATED RESOURCES

Education Kits

- WILD - Primary
- WILD - Secondary
- Minibeasts
- Insects and Spiders

Education Programs

- Biodiversity Snapshots

Websites

- Biodiversity Snapshots
- Forest Secrets
- Bugs
- Victorian Spiders
- Climate Watch
- ResourceSmart AuSSI Vic
- LandLearn

RELATED EVENTS

Exhibitions

- WILD
- Bugs Abvet
- Forest Secrets

Citizen Science – Birds Australia



search...

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CALLING ALL CITIZEN SCIENTISTS

Contribute to conservation at Birds Australia's CITIZEN SCIENCE PORTAL



Welcome to Birds Australia
We are a national organisation working for the conservation and protection of Australia's native birds and their habitats. [Read more](#)

2011 Best Photo Competition
Are you Australia's best amateur bird photographer? Enter our competition and be in the running to win fabulous prizes. [Read more](#)

MERGER: Members Vote Yes
On 21 May the members of Birds Australia and Bird Observation & Conservation Australia took the historic decision to merge to form BirdLife Australia. [Read more](#)



Home Sign In Review About Help



Welcome to Birds Australia's Citizen Science Portal

Sign In

This site is the Citizen Science Portal for **Birds Australia**, where you can contribute your observations of native birds to a number of the Birds Australia projects that are using this site.

Register Now

Registration is free and is available to anyone. If you would like to help our research into the variety of projects we are working on, then please [register](#) and become one of our 'citizen scientists' today.

Our Projects

Click on an image of a project you are interested in to sign in and start recording observations today! Or register with the site [here](#).



Carnaby's Cockatoo Tracker
Research that aims to determine the daily movement patterns of Western Australia's iconic Carnaby's Black-Cockatoo within the south-west of Western Australia.

Supported By



All the data being collected through this portal goes to the Birds Australia projects, and is also transmitted to the Atlas of Living Australia for broad dissemination across a wide range of interested researchers.

If you have sightings of other birds, you have several options:

Latest Statistics

Number of users	1415
Total number of records	5209
Number of species recorded	4

The last sighting was a Carnaby's Cockatoo, *Calyptorhynchus latirostris* in the group Birds.

Latest news

- Clive Minton wins prestigious Eisenmann Medal 02 Oct 2011
- New Action Plan for Australian Birds 30 Sep 2011
- 2011 Photo Competition 31 Aug 2011
- National Protection for National Parks 28 July 2011

What's on...

Check out our Events Calendar



Where we work

Click on the map to see what we are doing for birds around Australia



Get involved!

- Become a member
- Volunteer
- Make a donation
- Renew your membership
- Give a gift membership
- Leave a bequest

Subscribe to e-News

Our popular Birds in Backyards program focuses on birds that live where people live. [Read more](#)




Get bird lists and more at Birds Australia's online Atlas site [birdata](#). [Read more](#)



Wingspan - our members' magazine [Read more](#)



Check out EagleCAM



CITIZEN SCIENCE PORTAL



Check out The Wing Thing at Culture Victoria's website




Citizen Science – Birds Australia



Birds Australia
AUSTRALIAN ORNITHOLOGICAL SOCIETY

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Atlas General Form

Click on the map to enter the location of the sighting.

Location

Latitude

Longitude

Sub

Sex

How is sex determined? (optional)

How is sex

Additional comments

How many eggs or chicks?

Time spent on activity

Birds Australia
AUSTRALIAN ORNITHOLOGICAL SOCIETY

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Bittern Survey

Click on the map to enter the location of the sighting.

Location Name

Ref to State

Field No

Location

Water source

Water in cat

Leaf litter

Leaf size

Vegetation type

Vegetation size

Vegetation structure

Field size

Birds Australia
AUSTRALIAN ORNITHOLOGICAL SOCIETY

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Calendar sightings

This is a public calendar form — users enter the location of the sighting in the box on the left and the date of the sighting in the box on the right. The calendar grid shows the number of sightings for each day of the month.

Species:

Location:

	Jan 11	Feb 11	Mar 11	Apr 11	May 11	Jun 11	Jul 11	Aug 11	Sep 11	Oct 11	Nov 11	Dec 11
1												
2												
3												
4												
5												
6												
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Citizen Science – Wild Backyards



[Home](#) [Explore Wild Backyards](#) [Plan a study](#) [Collect Insects](#) [Display Insects](#) [Identify Insects](#) [Summarise Data](#)



Explore Wild Backyards. Watch and listen to three digital stories in which experts explain what they did to attract wildlife to their backyards in Brisbane, Roma and Innisfail.
*Flash Player necessary.



Plan a study. Use the **Backyard Explorer** resources which include dozens of activities about **biodiversity assessments**, insect collection and identification, digital story making and ways to observe wildlife close to home.



Collect insects. View explanatory videos that show how to set up and use Malaise traps and Pittal traps and use Beating and Netting techniques.



Display insects. Entomologist Noel Starick talks about the correct techniques for pinning insects such as butterflies, grasshoppers and beetles.



Identify insects. Use an interactive key to identify insects and invertebrates. A video on Hints on Identifying Insects will help you.



Summarise Data. Examine data collation tools, spreadsheets and an explanatory video that make this task easy.

Find out more about [Animals of Queensland](#) on the Queensland Museum website.

Curriculum areas: Mid-Upper Primary, Middle School Science, Technology, ICTs and English (Essential Learnings Year 7, 8 & 9; Science Life and Living, English and Technology), Australian Science Curriculum, (Biological Sciences Year 4, 5, 6, 7 & 9), Senior Biology (Key Concepts 3-5; Key Ideas 4, 7, 9, 11-16, 20, 21, 26).

The Wild Backyards Project Room on Education Queensland's Learning Place supports schools who wish to conduct biodiversity studies using the Backyard Explorer learning resource. Contact us if your school wishes to join this project.



[Home](#) [Explore Wild Backyards](#) [Plan a study](#) [Collect Insects](#) [Display Insects](#) [Identify Insects](#)
[Summarise Data](#)

Plan a Study

Biodiversity Assessments Video



Alan Morrison talks about the steps involved in assessing the bio-health and biodiversity of an area by doing comparative surveys. (3:53 min)

Download the [Biodiversity Assessments Video transcript](#) (PDF, 48 KB)

[Backyard Explorer Leader's Guide](#) (PDF, 1.9 MB)

This guide provides teachers with an outline on how to construct biodiversity assessments of sites in the school area. A case study example is used to help guide the process. There are also detailed guides on constructing pitfall traps as well as handy tips for identification of insects to order level.

[Backyard Explorer User's Guide](#) (PDF, 2 MB)

In this ecological study, you will find out what native animals and habitats are found in your schoolyard, and make a digital story about them. Associated resources can be found on the Learning Place as the virtual field trip room Wild Backyards.

[Data Collation User Manual](#) (PDF, 2.08 MB) This manual guides the user to setup and enter data on the data collation tool spreadsheet. The manual includes screen shots and explanatory notes on how each data sheet is used. There is a troubleshooting guide for each sheet.

[Data Collation Sheet](#) (XLS, 1.1 MB) This data spreadsheet tool can be used to collate data from a collection event. You can enter and record location data, abiotic conditions and population counts of invertebrate orders. [Data Collation Sheet \(Sample\)](#) (XLS, 1.7 MB) This data spreadsheet tool can be used to collate data from a collection event. This is a sheet with some sample data entered to give an overview of how it can be used.

Citizen Science – Wild Backyards



Home | Explore Wild Backyards | Plan a study | Collect Insects | Display Insects | Identify Insects | Summarise Data

Identify Insects

Find out more about [Animals of Queensland](#) on the Queensland Museum website.

Hints on identify insects



Dr Chris Lambkin gives some hints on how to identify insects by noting their structural features. (4:07 mins)

[Download the transcript \(PDF, 47 KB\)](#)

Using a Online interactive key



Dr Chris Lambkin identifies insects using an online interactive key on the CSIRO website. (3:40 mins)

[Download the transcript \(PDF, 47 KB\)](#)

Volunteer Involvement



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Transcribe Specimen labels

Welcome to the Australian Museum Cicada Expedition

Join the Cicada Transcription Expedition Team and help us capture information from cicada specimens up to 100 years old. You will be helping us unlock information that has been hidden away in the Museum's insect collection but now will be available worldwide through websites like the Atlas of Living Australia. Watch the video tutorials: [Introduction](#) & [Using the Mapping Tool](#)



Australian Museum Cicada Expedition

Start

Start

My stats

Expedition Personnel

Expedition Leader: [Luka Nentchoeva PhD](#)



Expedition Progress

Records captured: 792 of 1151 (69%)

Expedition News

Total period over – all tasks completed 22/07/2011

Congratulations and thanks to all those who contributed to

Volunteer Activity


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Transcribe Specimen Labels

Volunteers home Projects Australian Museum Cicada Expedition Transcribe Task - K257445

Transcribe Task: Australian Museum Cicada Expedition (ID: 24582)

Video tutorials: [Introduction](#) | [Using the Mapping Tool](#)



Specimen Metadata

Institution: AM
Project: Australian Museum Cicada Expedition
Catalogue No.: K257445
Taxa: *Cyclochila australasiae*

1. Transcribe All Text - Record exactly what appears in the labels so we have a searchable reference for them

2. Collection Event - This records information directly from the label about when, where and by whom the specimen was collected. Only fill in fields for which information appears in the labels

Collector

Event Date (YYYY-MM-DD)

Verbatim Locality

Verbatim Latitude

Verbatim Longitude

3. Interpreted Location [Use mapping tool](#) - Use the mapping tool before attempting to enter values manually

Locality

State/Territory

Decimal Latitude

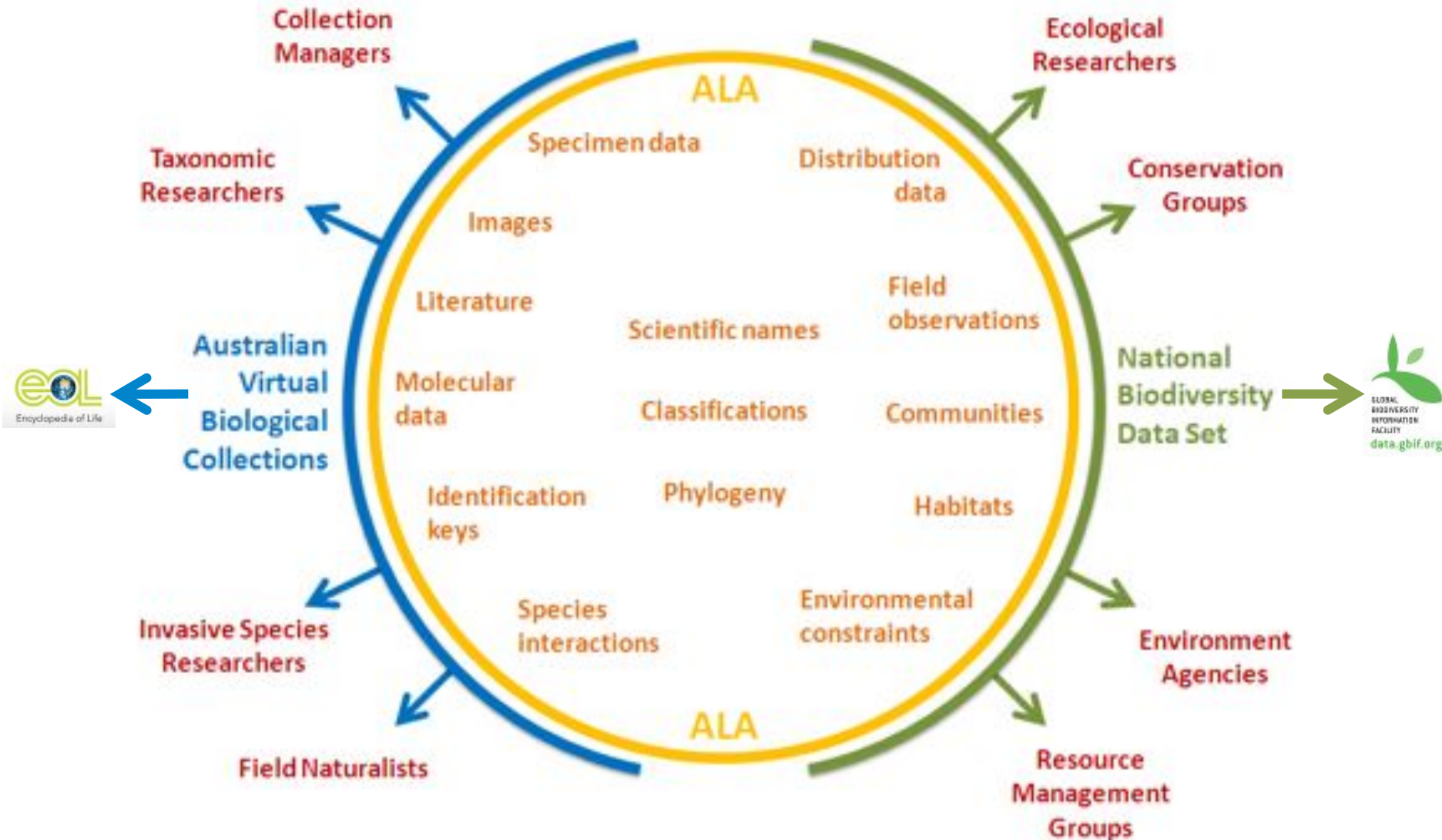
Country

Integrating it all



- Has delivered its core infrastructure and a range of powerful new tools.
- New software has been developed for recording and managing biodiversity data and photos in the field.
- ALA is being used in:
 - research projects
 - urban biodiversity surveys
 - museum outreach activities
 - science education
 - biosecurity monitoring
 - and natural resource management and reporting.

ALA and user communities



Adoption of ALA by users




InBIF
Wildlife Institute of India - Atlas of Living Australia
Mentoring Project

Wildlife Institute of India, New Delhi
110068, India
Tel: +91 11 2619 5200
Fax: +91 11 2619 5201
Email: info@wii.gov.in

Wildlife Institute of India - Atlas of Living Australia Mentoring Project

What is InBIF?
InBIF is a mentoring project that provides a platform for Indian Biodiversity Information Facility (InBIF) and Atlas of Living Australia (ALA) to collaborate and share their expertise in biodiversity data management and information systems.

Objectives:
• To provide technical support and training to InBIF staff in the use of ALA.
• To facilitate the integration of InBIF data into ALA.
• To develop a sustainable mentoring program that can be replicated in other countries.

Activities:
• Regular meetings and workshops.
• On-site visits and fieldwork.
• Development of training materials.
• Exchange of expertise and knowledge.

Outcomes:
• Improved data management and information systems in InBIF.
• Increased capacity of InBIF staff in the use of ALA.
• Development of a sustainable mentoring program.



Mangroves of the Kimberley Coast: ecological patterns in a tropical coast setting

J. J. Clouston^{1,2} & V. Yessierli³

¹CSIRO Health, Water & Ocean Policy, 120 Sturt St, Perth, Western Australia
²CSIRO Research Group, 15 Greenway Rd, Murdoch, WA, Australia
Manuscript received 15th August 2011

Abstract

Mangroves of the Kimberley Coast occupy a geographical position that is unique in the world. Mangroves of the Kimberley Coast are situated in a tropical coast setting, which is a unique combination of a tropical coast setting and a temperate coast setting. The Kimberley Coast mangroves are situated in a tropical coast setting, which is a unique combination of a tropical coast setting and a temperate coast setting. The Kimberley Coast mangroves are situated in a tropical coast setting, which is a unique combination of a tropical coast setting and a temperate coast setting.

Introduction

The Kimberley Coast (KC) is a globally unique region of mangroves in a tropical coast setting. The Kimberley Coast mangroves are situated in a tropical coast setting, which is a unique combination of a tropical coast setting and a temperate coast setting. The Kimberley Coast mangroves are situated in a tropical coast setting, which is a unique combination of a tropical coast setting and a temperate coast setting.

Methods

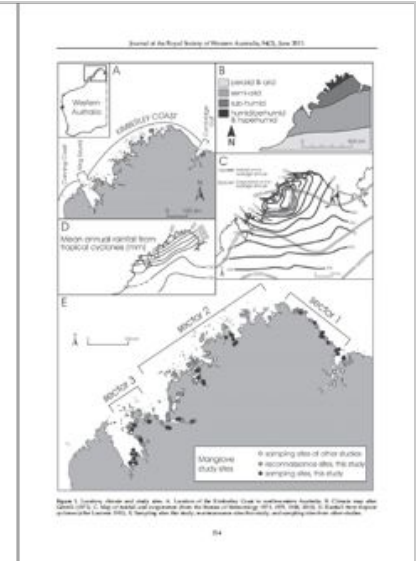
We conducted a field survey of the Kimberley Coast mangroves in 2008. We collected data on the distribution and abundance of mangroves along the coast. We used a grid system to sample the mangroves. We collected data on the distribution and abundance of mangroves along the coast. We used a grid system to sample the mangroves.

Results

We found that the Kimberley Coast mangroves are distributed along the coast in a regular pattern. We found that the Kimberley Coast mangroves are distributed along the coast in a regular pattern. We found that the Kimberley Coast mangroves are distributed along the coast in a regular pattern.

Conclusions

The Kimberley Coast mangroves are distributed along the coast in a regular pattern. We found that the Kimberley Coast mangroves are distributed along the coast in a regular pattern. We found that the Kimberley Coast mangroves are distributed along the coast in a regular pattern.



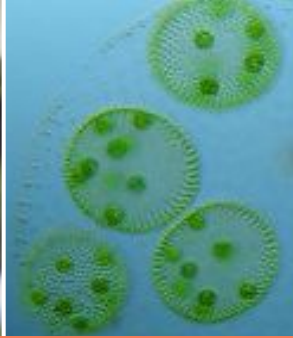
ALA tools and services adopted for Great Eastern Ranges restoration corridor activities

ALA mentoring activity with Indian Biodiversity Information Facility

Mangroves of the Kimberley Coast: ecological patterns in a tropical coast setting - paper referencing data accessed through ALA



Web visits per week July 2010 to September 2011

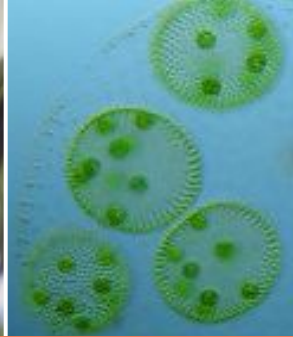


The Atlas of Living Australia Team – or some of it...

www.ala.org.au



An Australian Government Initiative
National Collaborative Research
Infrastructure Strategy



The Atlas of Living Australia Participants

www.ala.org.au



Tasmanian Museum & Art Gallery



The Council of Heads of Australian Faunal Collections (CHAFC)
The Council of Heads of Australian Entomological Collections (CHAEC)

The Council of Heads of Australasian Collections of Microorganisms (CHACM)
The Council of Australasian Museum Directors (CAMD)



An Australian Government Initiative
National Collaborative Research Infrastructure Strategy



The Atlas is funded by the Australian Government under the National Collaborative Research Infrastructure Strategy and further supported by the Super Science Initiative of the Education Investment Fund