

[www.ala.org.au](http://www.ala.org.au)

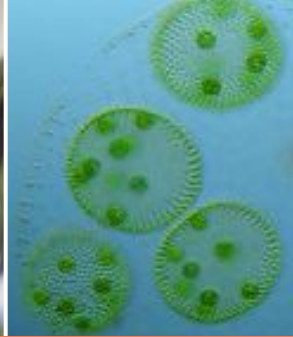
# The Atlas of Living Australia

[www.ala.org.au](http://www.ala.org.au)

Education Services Australia  
Canberra, 21 December 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 Participants

[www.ala.org.au](http://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

# ALA - current investment

- Australian Government funding
  - NCRIS 2006-2012: \$8.2M
  - EIF Super Science 2009-2012: \$30.0M
  - ALA partner in-kind contributions
- Mission
  - To develop an authoritative, freely accessible, distributed and federated biodiversity data management system
- Partners
  - **Representative bodies:**
    - Council of Heads of Australasian Herbaria
    - Council of Heads of Australian Faunal Collections
    - Council of Heads of Australian Entomological Collections
    - Council of Heads of Australian Collections of Microorganisms
    - Council of Australasian Museum Directors
  - **State museums:**
    - Australian Museum
    - Museum and Art Gallery of the Northern Territory
    - Museum Victoria
    - Queensland Museum
    - South Australian Museum
    - Tasmanian Museum and Art Gallery
    - Western Australian Museum
  - **Government:**
    - **CSIRO – lead agent**
    - Department of Sustainability, Environment, Water, Population and Communities
    - Department of Agriculture, Fisheries and Forestry
  - **Universities:**
    - Southern Cross University
    - University of Adelaide

# Integrating it all



- Integrated picture of Australia's biodiversity
  - Plants, animals, microorganisms and molecular
  - Marine and terrestrial
  - Native and non-native.
- Information and tools to support
  - Species identification
  - Taxonomy and collection management
  - Education
  - 'Citizen or Community science'
  - Conservation and land-use management
  - Ecological and agricultural research
  - Biosecurity.

# Data, Information and Tools

- 170,000 species pages
- Species biology, ecology, status
- 25 million+ occurrence records (distribution)
- 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 of Living Australia homepage features a navigation menu with links for Home, Explore, Tools, Share, Support, Contact Us, and About the Atlas. A search bar is prominently displayed. Below the navigation is a banner with the text: "The Atlas has delivered essential infrastructure and a suite of powerful tools to support research, natural resource management, policy and education."

Key sections include:

- Get Started:** "with examples, forums, videos and frequently asked questions" (includes an exclamation mark icon).
- Explore:** "information on species, maps, collections and regions" (includes a map of Australia icon).
- Share:** "sightings, photos and information" (includes a koala icon).

The "New & Noteworthy" section features a carousel of featured content:

- Volunteer Portal (with a moth image)
- Natural History Collections (with a collection of shells)
- Explore Your Area (with a field image)
- ABDLN Australian Barcode of Life Network (ABDLN) (with a DNA helix icon)
- About Identity Life (with a plant image)
- GBIF (with a green leaf icon)

The "Atlas updates" section lists recent news:

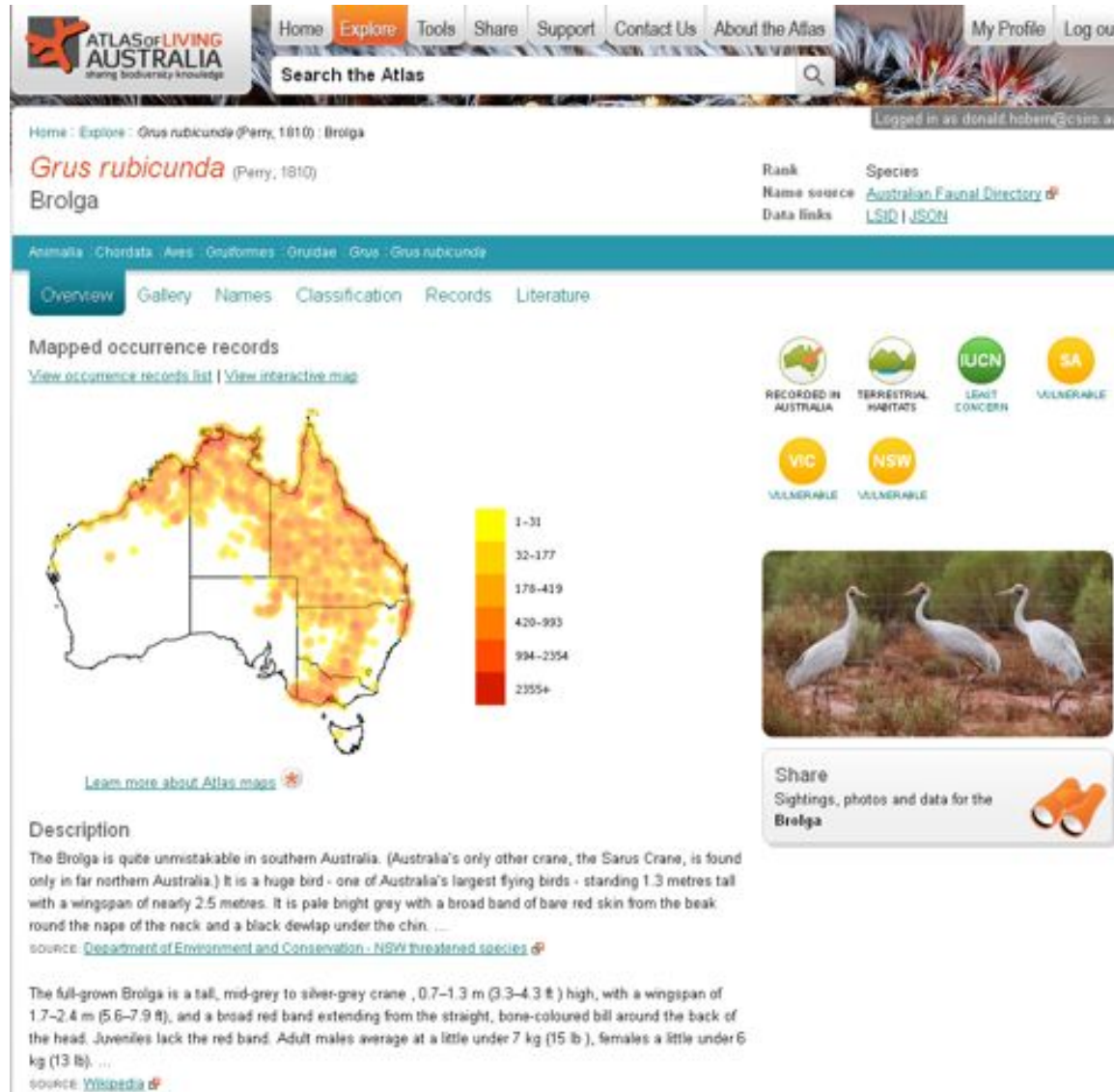
- 8 DECEMBER, 2011: [Spatial Precision – What's this all about?](#)
- 6 DECEMBER, 2011: [ESA Conference busy with Atlas demonstrations](#)

The "About the Atlas" section states: "The Atlas of Living Australia is a national initiative focused on making Australia's biodiversity information more accessible and useable online. It is a partnership between CSIRO, Australian museums, herbaria and other biological collections, and the Australian Government. [Learn more >](#)"

At the bottom right, it is noted as an "An Australian Government Initiative" under the "National Collaborative Research Infrastructure Strategy".

Footer navigation includes: Home | Explore | Tools | Share | Support | Contact Us | About the Atlas | Log in. Additional links: Terms of Use | Citing the Atlas | Privacy Policy | Site Map.

# 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 menu with options 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. The page has tabs for Overview, Gallery, Names, Classification, Records, and Literature. A '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'. Below the map is a photo of three Brolgas in a natural setting. A 'Share' button is located below the photo, with a subtext 'Sightings, photos and data for the Brolga' and an icon of binoculars. The 'Description' section provides details about the bird's appearance and habitat, including a source link to the Department of Environment and Conservation's NSW Threatened Species list. A second paragraph describes the full-grown Brolga's size and features, with a source link to Wikipedia.



# 26 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

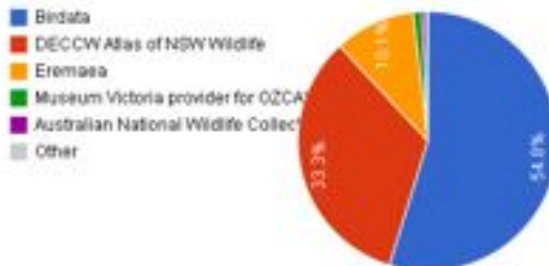
- Birdata: [5,842 records](#)
- DECCW Atlas of NSW Wildlife: [3,653 records](#)
- Eremaea: [1,074 records](#)
- Museum Victoria provider for OZCAM: [112 records](#)
- Australian National Wildlife Collection provider for OZCAM: [60 records](#)
- South Australia Fauna Observations: [11 records](#)
- Australian 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



# 26 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	<a href="#">OZCAM (Online Zoological Collections of Australian Museums) Provider</a>
Data Set	<a href="#">Western Australia Museum provider for OZCAM</a>
Institution	<a href="#">Western Australian Museum</a> Institution Code: "WAM"
Collection	<a href="#">Western Australian Museum Bird Collection</a> 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	<a href="#">Calliocephalon fimbriatum</a>
Taxon Rank	Species
Common Name	Gang-gang Cockatoo
Kingdom	<a href="#">Animalia</a>
Phylum	<a href="#">Chordata</a>
Class	<a href="#">Aves</a>
Order	<a href="#">Psittaciformes</a>
Family	<a href="#">Cacatuidae</a> Supplied as: "PSITTACIDAE"
Genus	<a href="#">Calliocephalon</a>

### Location of record



# 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](#) 

# Identification Tools



Key Central



My IdentifyLife



Key to All Life

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.



What is an organism?



How organisms help me (and I help them)



How do I identify them?



How can I identify them?



How can I contribute to IdentifyLife?

IdentifyLife is a collaborative partnership, administered by leading institutions





# 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



Browse Our Collection

 Titles

 Authors

 Maps

 Year

Featured Books



[Developed Resources](#) [Licensing & Copyright](#)

# Heritage Literature



# 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.

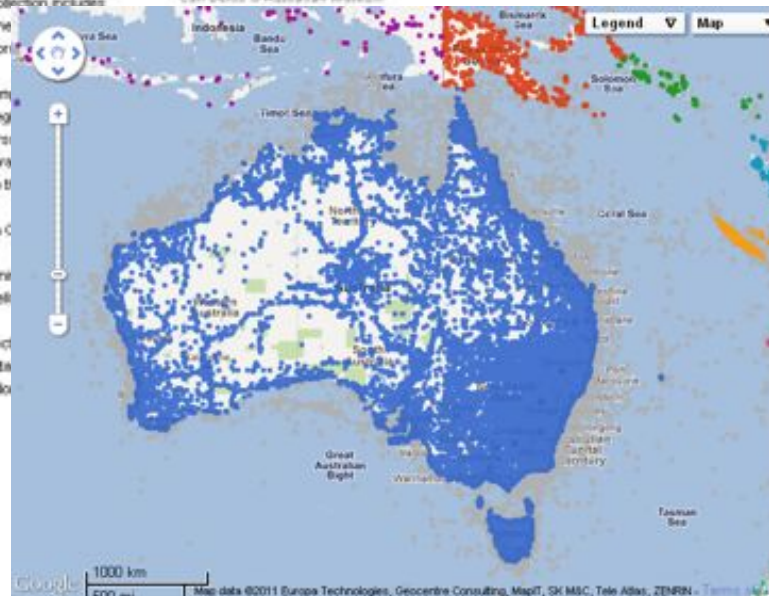


Stag Beetle, *Lagria* spp. Photo: Carl Beets © Australian Museum 2007

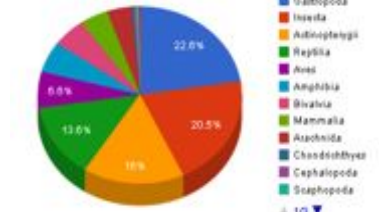
Carl Beets © Australian Museum

### 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.



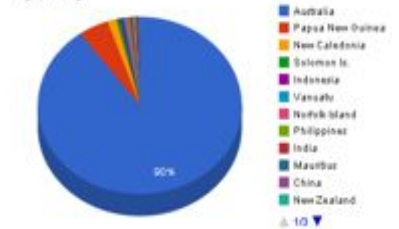
By class



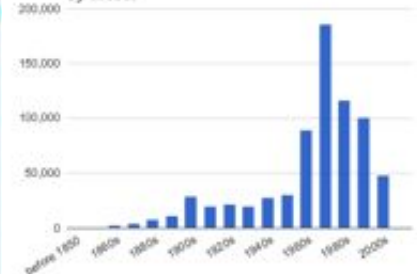
Click a slice to drill into the next taxonomic level.

[View all records](#)

By country



By decade



# Explore Your Area



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

Search the Atlas

Logged in as donald.haberre@csiro.au

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)

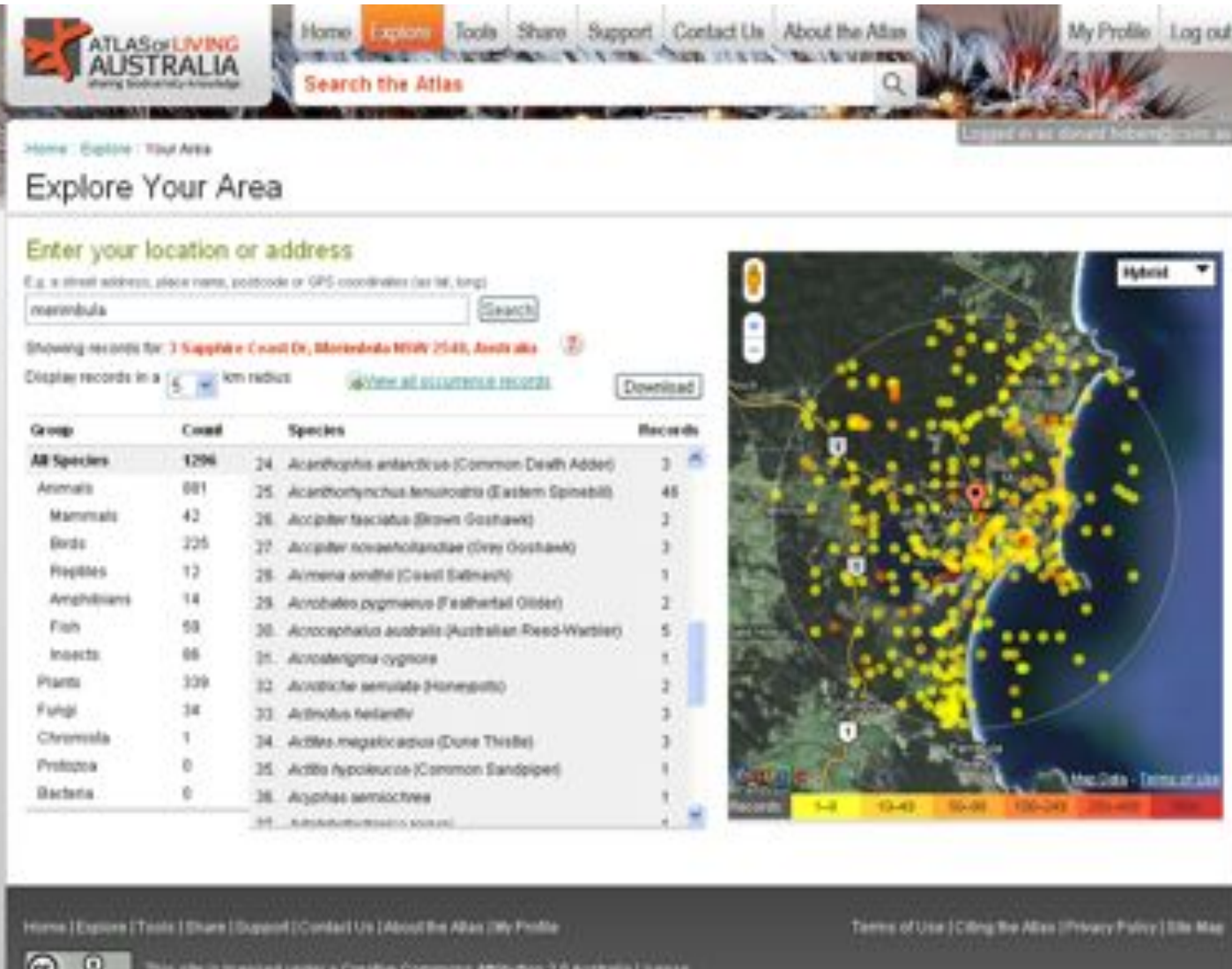
Showing records for: **74 Stanley St, South Brisbane QLD 4101, Australia** ?

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

Group	Count	Species	Records
<b>All Species</b>	<b>2947</b>	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 chrysorrhoa</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



# Explore Your 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)

manambula

Showing records for: 1 Sapphirine Coast Dr, Mandurah WA 6548, Australia

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

Group	Count	Species	Records
<b>All Species</b>	<b>1296</b>	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>Acmesa smithi</i> (Coast Flatwasp)	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 feldleri</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

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

Terms of Use | Citing the Atlas | Privacy Policy | Site Map

# Regional information



The screenshot shows the 'Explore' section of the Atlas of Living Australia website. At the top, there is a navigation bar with links for Home, Explore, Tools, Share, Support, Contact Us, About the Atlas, and My Profile. Below this is a search bar labeled 'Search the Atlas'. The main heading is 'Select a region to explore', followed by the instruction 'Select a region then explore occurrence records, images and documents associated with that region.' Below this, there are two options: 'Click on a region name to select an area.' and 'Click on the map to select an area.' The left sidebar contains a list of regions under the heading 'Management Regions', including ACT, Adelaide and Mount Lofty Ranges, Alinytjara Wilurara, Ashmore and Carter Islands, Aron, Border Rivers Maranoa-Balonne, Border Rivers-Gwydir, Burdekin, Burnett Mary, Cape York, Central West, Christmas Island, Coles Keeling Islands, Condamine, Cooperative Management Area, Corangamite, and Darwin-Cloncurry. The right side features a map of Australia with regional boundaries, a scale bar (0-1000 km), and a legend at the bottom with checkboxes for 'All regions' and 'Selected region'.

# 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

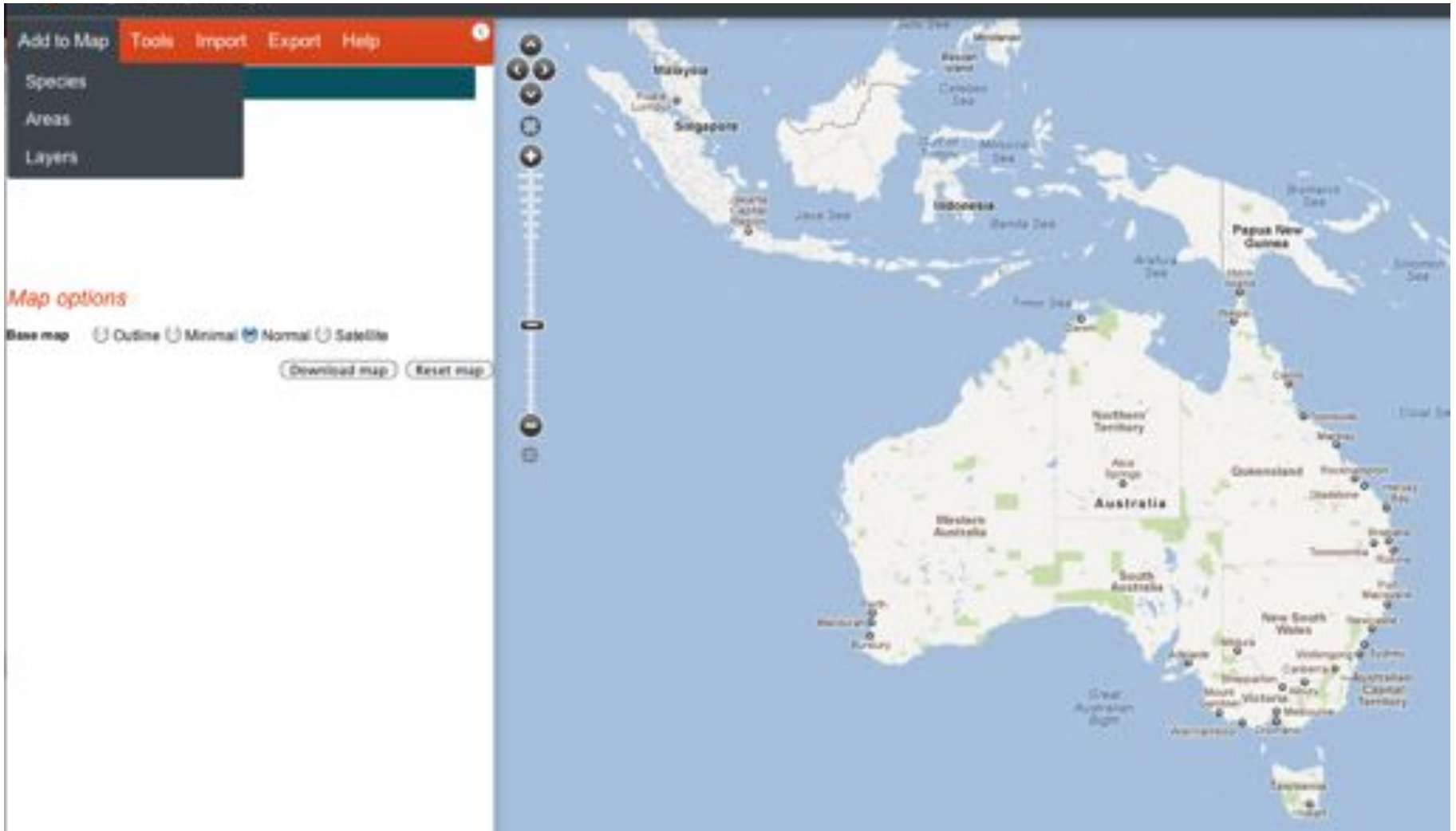
Below the popup, there is a settings panel for the "Occurrences in Southern Rivers 1" layer. The panel includes options for "Add to Map", "Tools", and "Help". The "Layer name" is "Occurrences in Southern Rivers 1". The "Display as" option is set to "Points". The "Opacity" is set to 80%. The "Size" is set to 1. The "Color" is set to "User defined". There are color selection options and sliders for "Red", "Green", and "Blue". A checkbox for "Display spatial uncertainty as a circle" is also present. A legend at the bottom left provides links to view area, species, and occurrence data for the region.

feedback

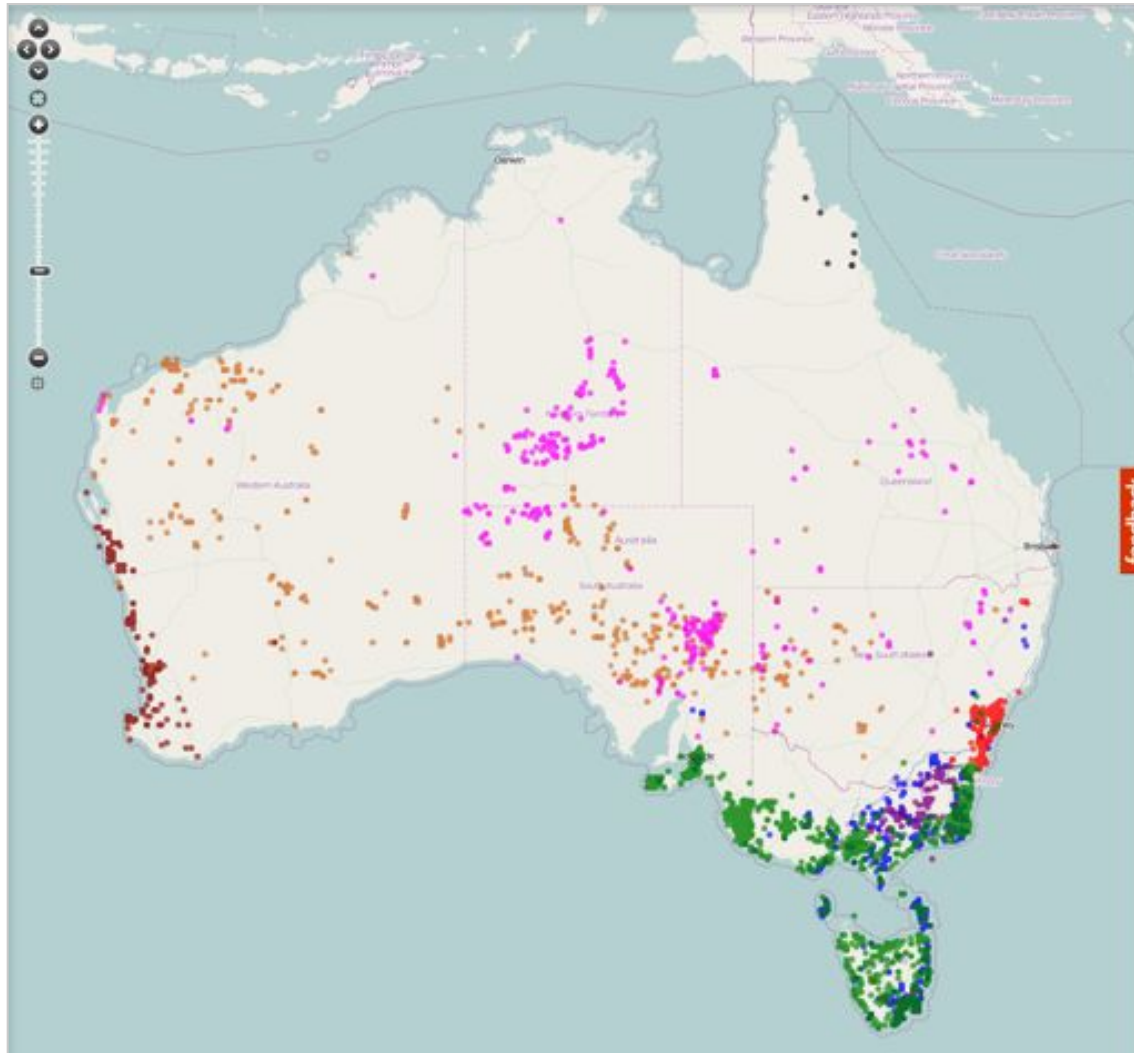


- Integrating extensive biological and environmental data
- 350+ layers for mapping and analysis, including rainfall, temperature, substrate, hydrology, fire, political and vegetation
- A suite of tools that demonstrate the utility of integrated data
- Data upload and download
- Can be accessed through “map species” tab, or from within a species page, or directly at <http://spatial.ala.org.au/>

# Spatial Portal



# Where is Each Species Found?



WA



*Anigozanthos manglesii*  
Mangles' Kangaroo Paw

NT



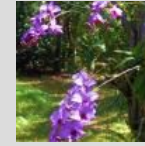
*Gossypium sturtianum*  
Sturt's Desert Rose

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

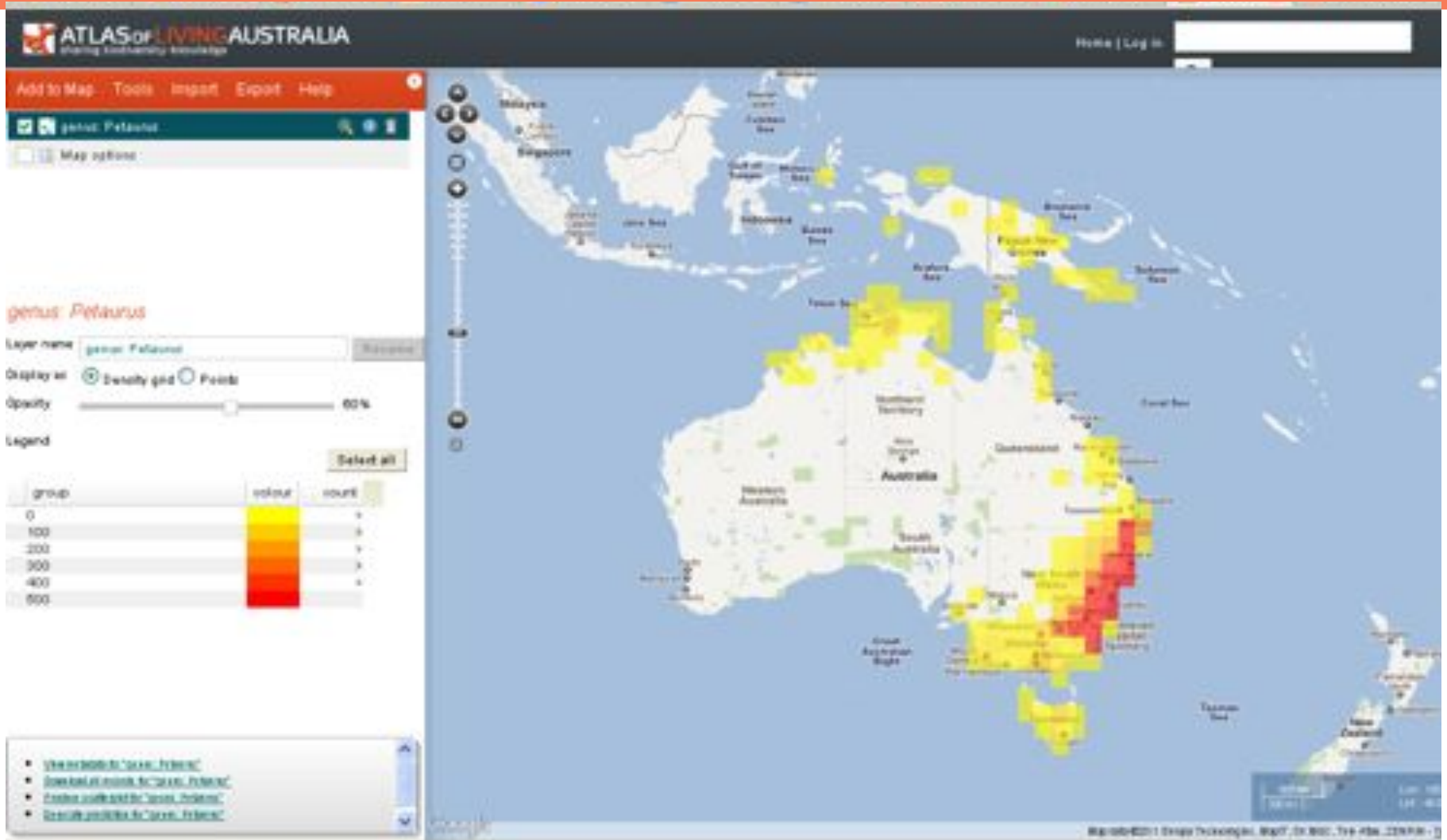


*Eucalyptus globulus*  
Blue Gum

# Petaurus (4 species of Gliders)



# Density Grid of Petaurus distribution



# Data: 'Areas'

Add to Map Tools Help

- Botanic gardens
- Evaporation - variability
- IBRA SE Hills
- IBRA Sub Regions
- QLD Museum
- Petaurus
- Map options

**Botanic gardens**

Layer name: Botanic gardens

Opacity: 40%

Colour: User defined

Red: 255

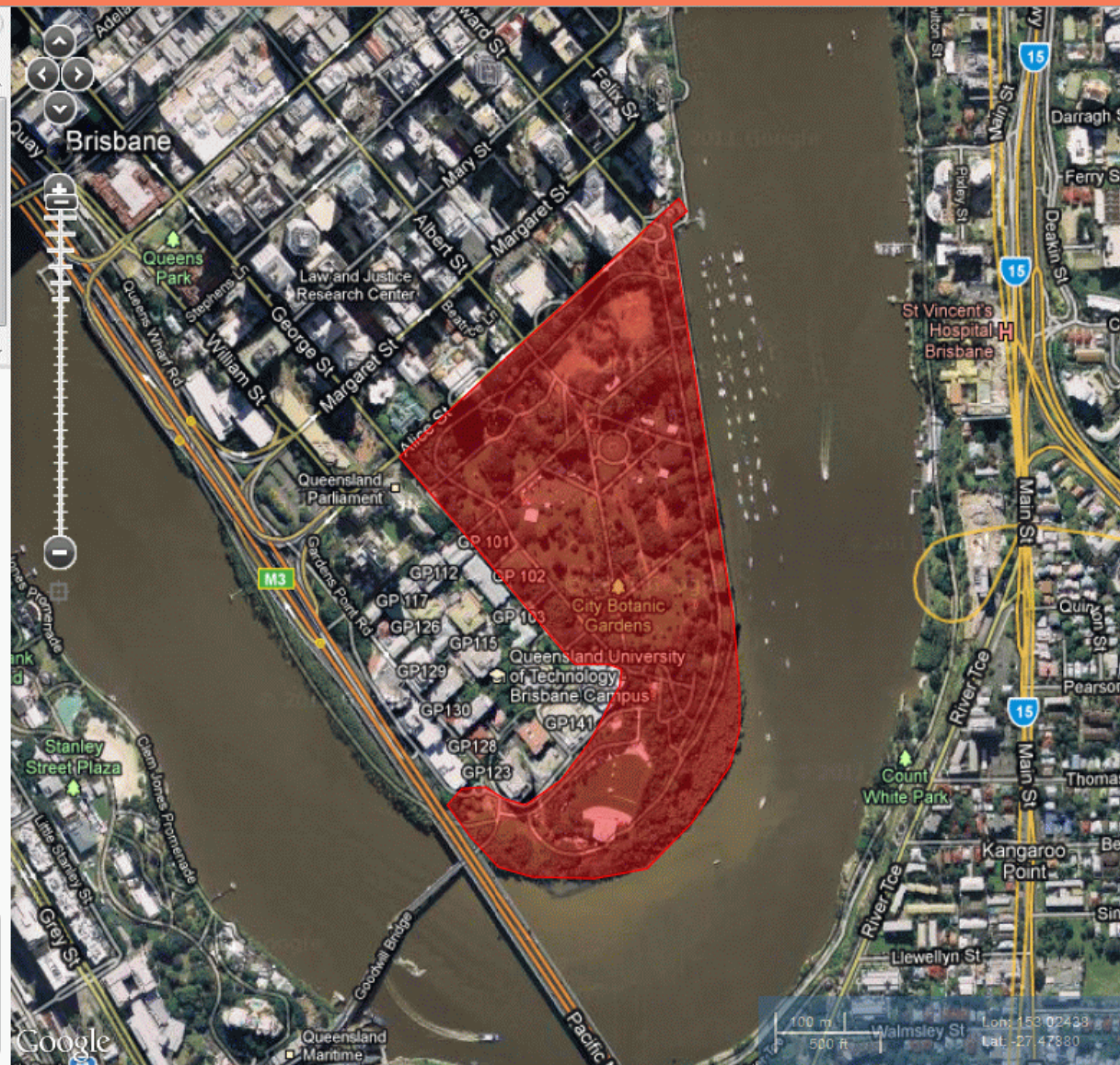
Green: 0

Blue: 0

Legend

- 

- [View area report for "My Area 2"](#)
- [View metadata for "My Area 2"](#)
- [Download species list for "My Area 2"](#)
- [Download all records for "My Area 2"](#)
- [Generate classification for "My Area 2"](#)



# Tools: Checklists

## Species List Results Preview

preview of all 72 species found

Family	Scientific name	Common name/s	Taxon rank	LSID	# Occurrences
Acanthizidae	<i>Gerygone levigaster</i>	Mangrove Gerygone	species	urn:lsid:biodiversity.org.au:afd.185e2-4073-ac91-5738028b1e7a	5
Acanthizidae	<i>Sericornis frontalis</i>	White-browed Scrubwren	species	urn:lsid:biodiversity.org.au:afd.1e984-4a23-9eb8-dc1d9e3a9ade	3
Accipitridae	<i>Elanus axillaris</i>	Black-shouldered Kite	species	urn:lsid:biodiversity.org.au:afd.1db94-4613-8828-f98fafadaa6d	1
Accipitridae	<i>Haliaeetus leucogaster</i>	White-bellied Sea Eagle, White-bellied Sea-Eagle, white-bellied sea-eagle, White-bellied Sea-eagle, White-bellied Fish-eagle; White-bellied Sea Eagle	species	urn:lsid:biodiversity.org.au:afd.1c606-45d2-aae0-31ad5e7cf7a9	1
Accipitridae	<i>Haliastur indus</i>	Brahminy Kite, Red-backed Kite; Sea Eagle	species	urn:lsid:biodiversity.org.au:afd.1d52f-4a10-9dae-2d85b126cc02	3
Accipitridae	<i>Haliastur sphenurus</i>	Whistling Kite	species	urn:lsid:biodiversity.org.au:afd.142a3-a822-828ee76b3335	1
Accipitridae	<i>Pandion cristatus</i>	Eastern Osprey	species	urn:lsid:biodiversity.org.au:afd.1a397-b3ade51d3308	1
Acrocephalidae	<i>Acrocephalus australis</i>	Australian Reed Warbler, Australian Reed-Warbler, Australian Reed-warbler,	species	urn:lsid:biodiversity.org.au:afd.14da6-bc79-68b778874f53	1

Download

Close

# Tools: Area Reports

Add to Map Tools Help


- My Area 1
- Eucalyptus globoidea 1
- Precipitation deficit - annual mean
- AAT
- Map options

**My Area 1**

Layer name:

Opacity:

Colour:

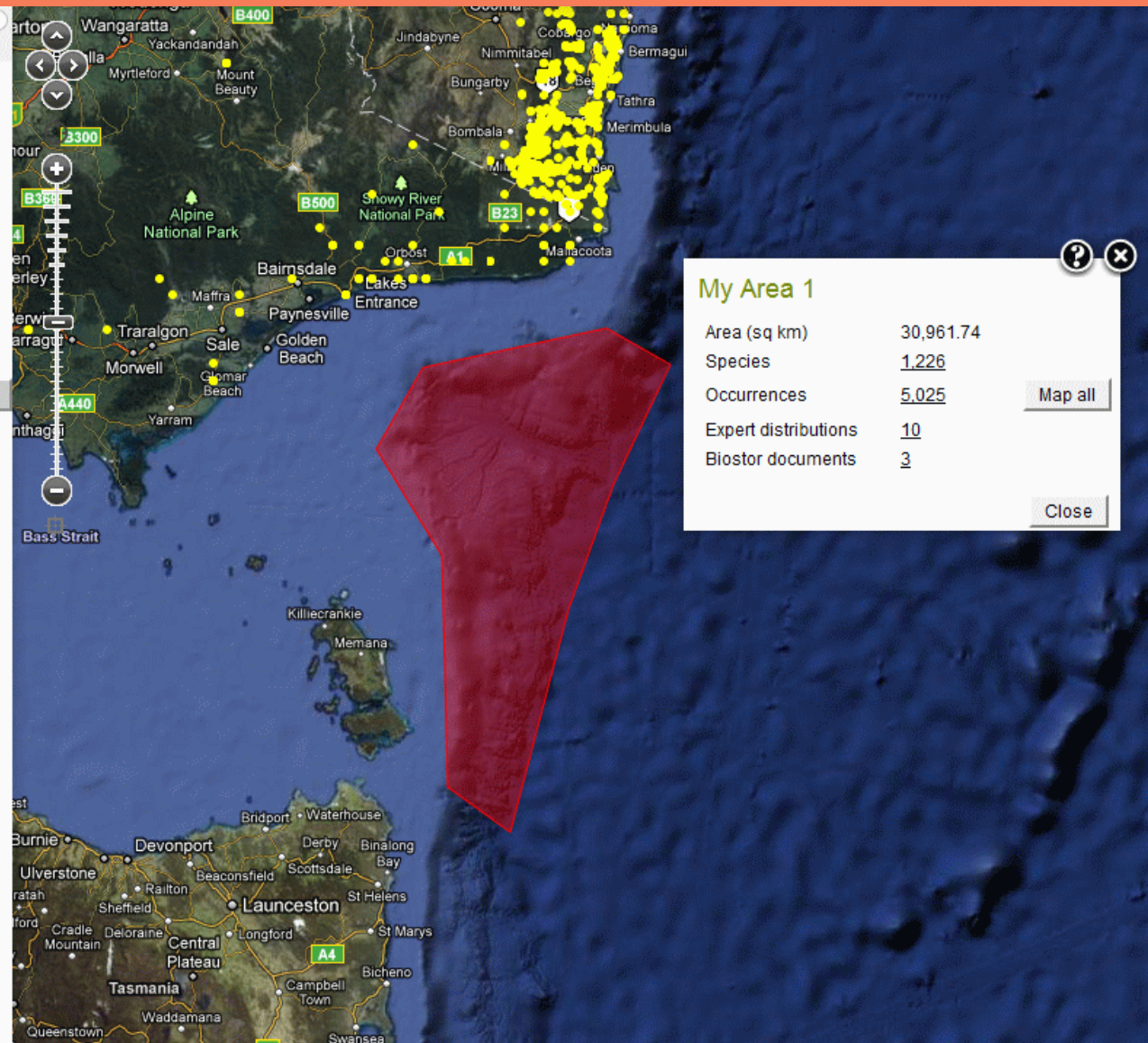



Red:

Green:

Blue:

Legend



**My Area 1**

Area (sq km)	30,961.74
Species	<u>1,226</u>
Occurrences	<u>5,025</u> <input type="button" value="Map all"/>
Expert distributions	<u>10</u>
Biostor documents	<u>3</u>



## Add Area

Select method to define area.

### Interact with the map

- Draw bounding box
- Draw polygon
- Draw point and radius
- Select area from polygonal layer

### Searching

- Radius centered on street address
- Gazetteer polygon

### Preset areas

- Box - Australia
- Box - World
- Box - Current View

### Upload

- Upload Shapefile
- Upload KML

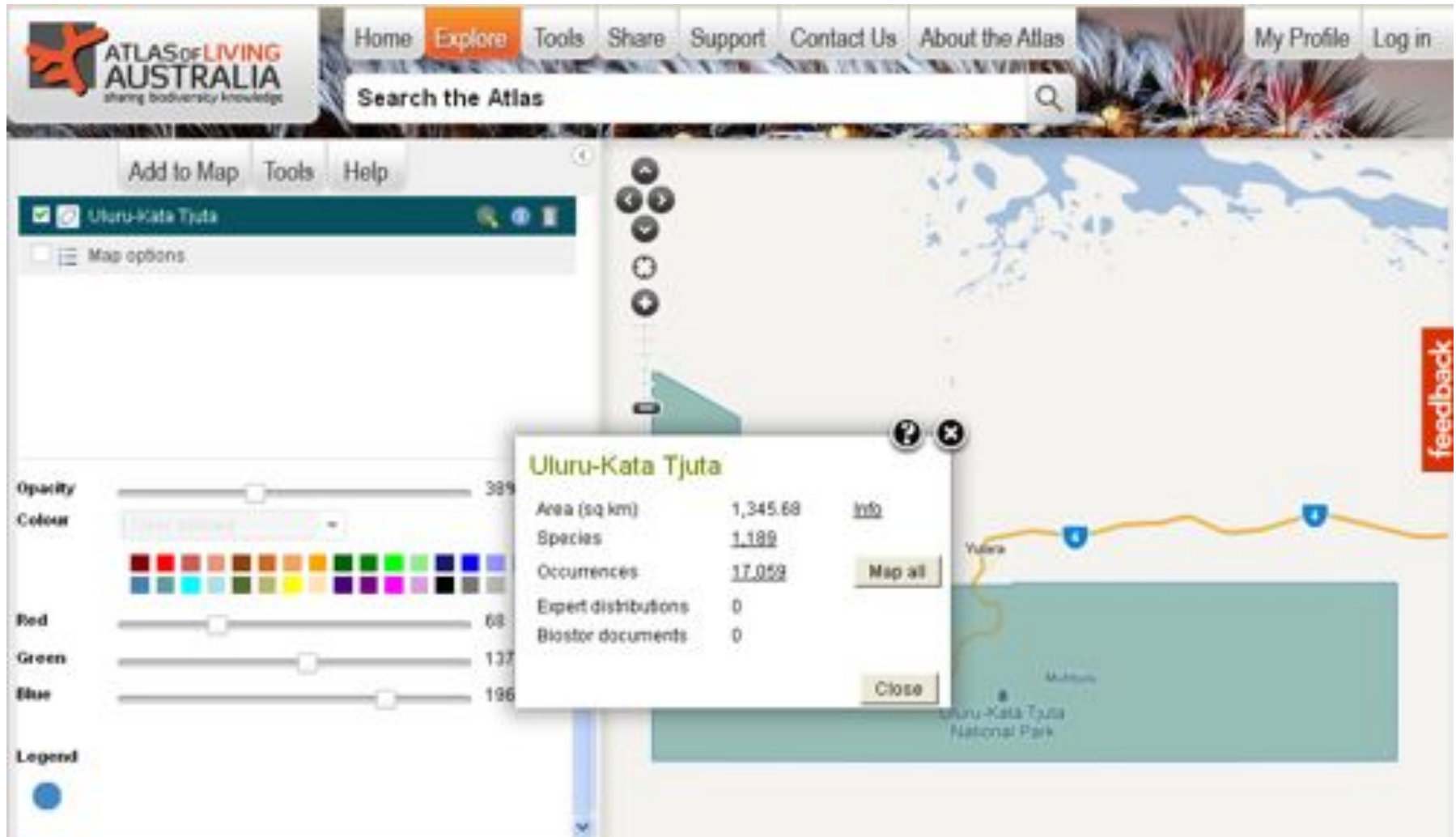
### Other

- Define environmental envelope
- Paste Well Known Text (WKT)

Cancel

Next

# Map Species – Define Area

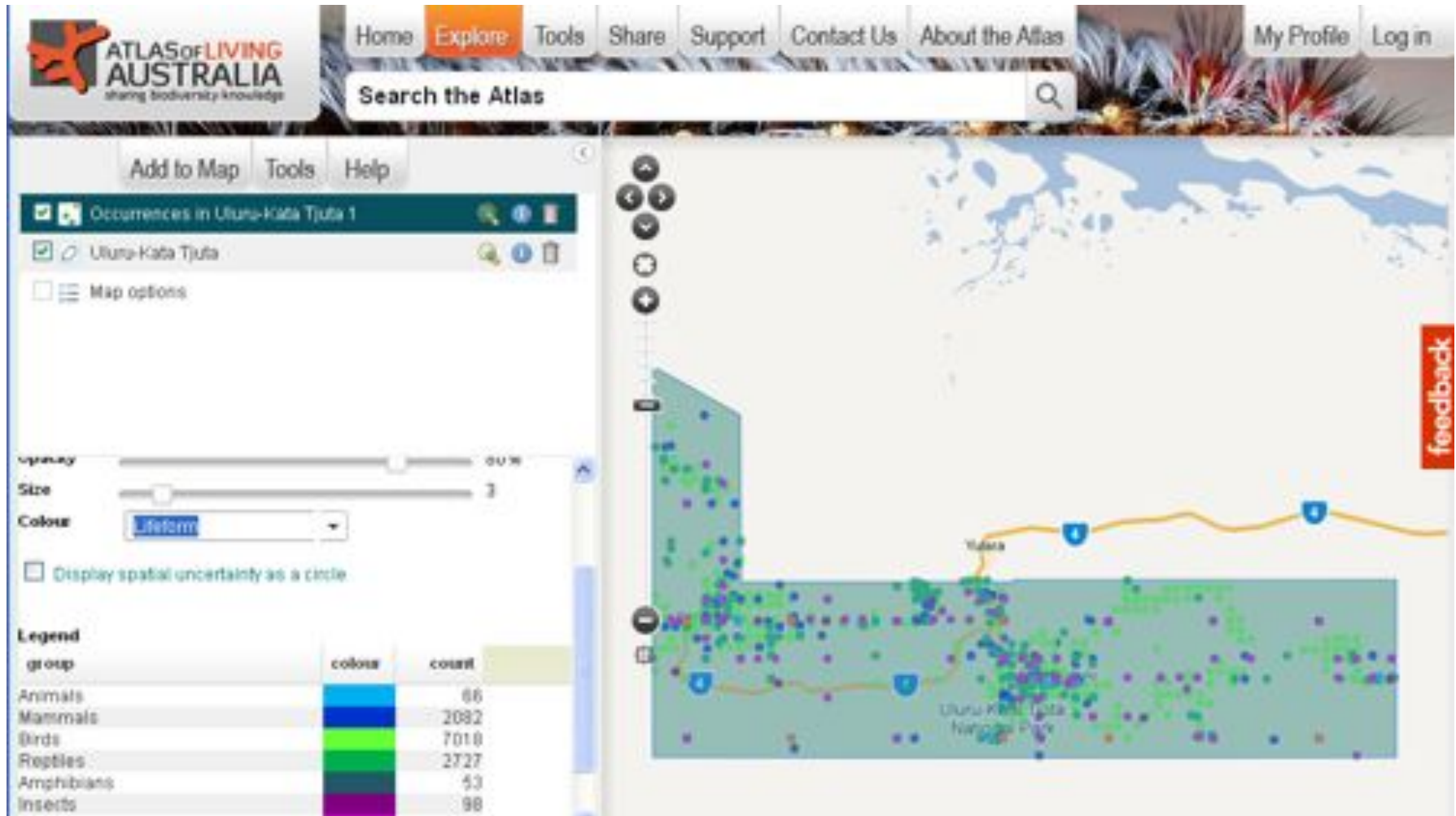


The screenshot shows the Atlas of Living Australia web interface. At the top, there is a navigation bar with links for Home, Explore, Tools, Share, Support, Contact Us, and About the Atlas. A search bar is also present. Below the navigation bar, there is a sidebar with 'Add to Map', 'Tools', and 'Help' buttons. The main map area shows a map of Uluru-Kata Tjuta National Park. A 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 also includes an 'Info' link, a 'Map all' button, and a 'Close' button. The map interface includes a legend, a color selection tool, and a 'feedback' button on the right side.

# 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

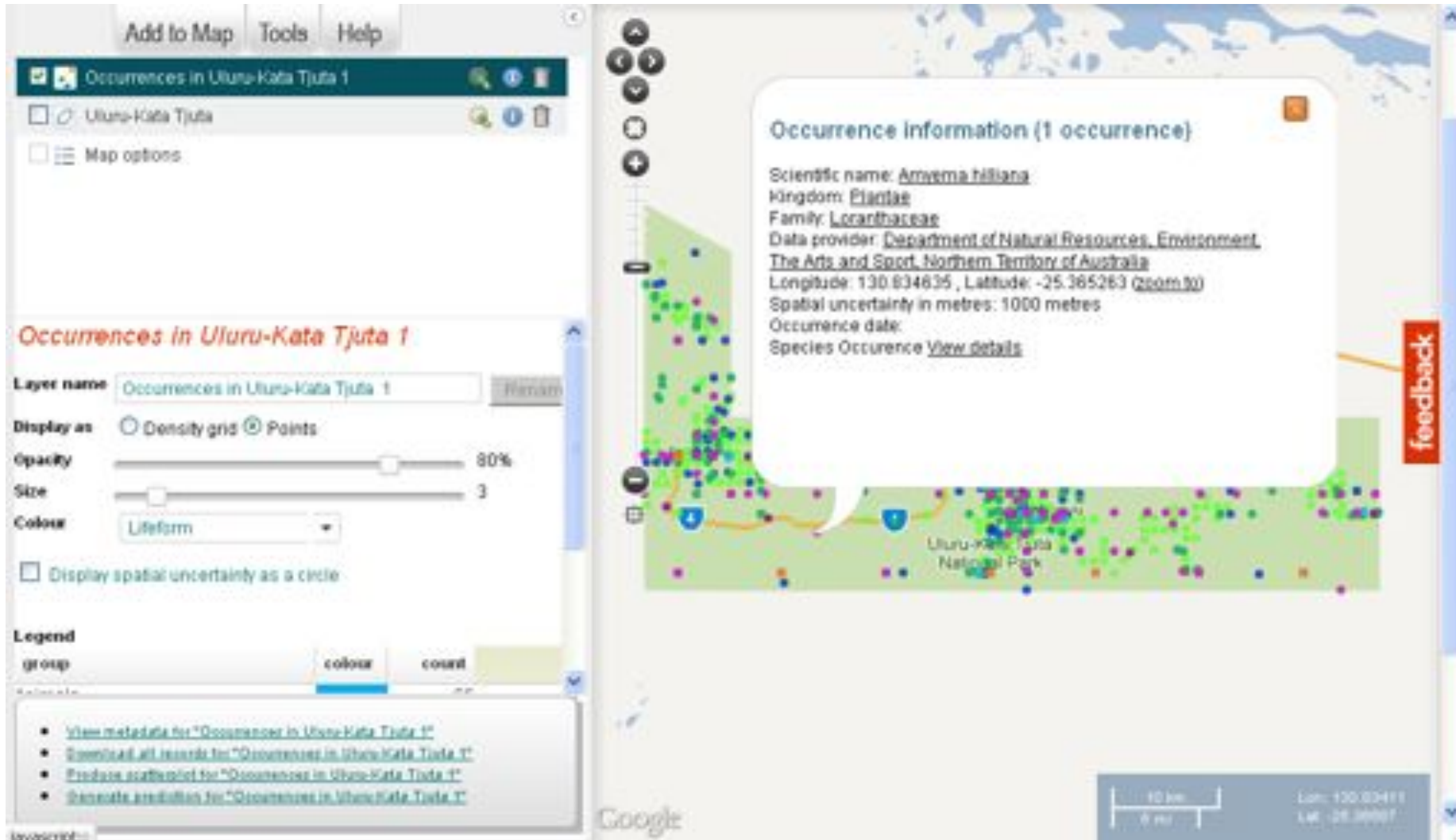
group	colour	count
Animals	Blue	86
Mammals	Dark Blue	2082
Birds	Light Green	7010
Reptiles	Green	2727
Amphibians	Dark Green	53
Insects	Purple	98

Uluru

Uluru-Kata Tjuta National Park

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.


# Add environmental layers: over 400 layers preview @ <http://spatial.ala.org.au/layers>



The screenshot displays the Atlas of Living Australia web interface. At the top left is the logo and the title "Atlas of Living Australia". Below this are navigation tabs for "Start", "Map", and "Analysis", along with a "Help" button. The "Active Layers" section shows two layers: "Salinity - mean (cars2009a)" and "Phosphate - mean (cars2006)". A "Remove All Layers" button is also present. The "Layers" tab is selected, showing a search bar with the text "Enter a layer name or a keyword" and a dropdown arrow. Below the search bar is a list of categories for browsing layers, including "Area Management", "Biodiversity", "Climate", "Distance", "Fire", "Hydrology", "Marine", "Chemistry", "Political", "Social", "Substrate", "Topography", and "Vegetation". Under the "Marine" category, several layers are listed, with "Salinity - mean (cars2009a)" highlighted. The main map area shows a geographical view of the Indian Ocean region, including parts of Africa, the Middle East, South Asia, Southeast Asia, and Australia. The map is overlaid with a color-coded layer representing salinity, with warmer colors (yellow and orange) indicating higher salinity and cooler colors (blue and green) indicating lower salinity. The Australian continent is clearly visible in the bottom right, with state abbreviations (WA, SA, VIC, NT, QLD, TAS) and the name "Australia" labeled.

# Data: 'Layers'

Add to Map Tools Help

Land use 

Map options

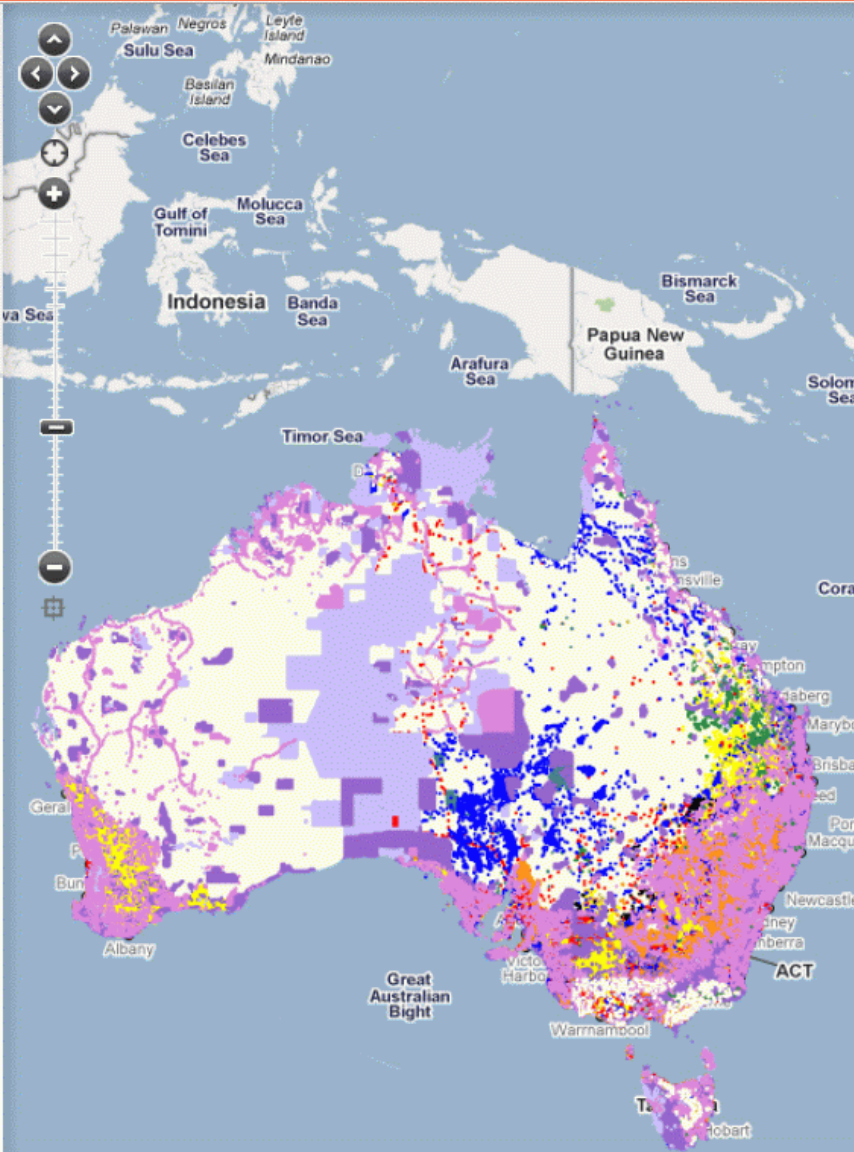
**Land use**

Layer name

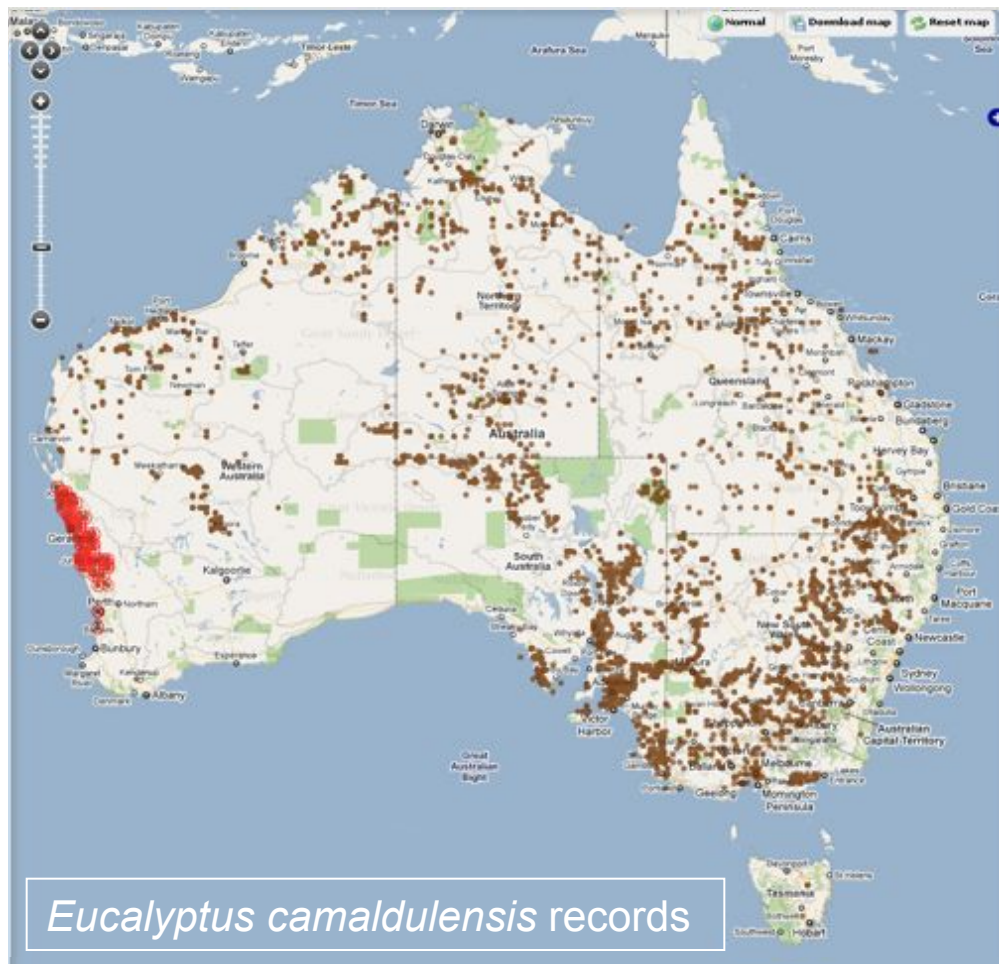
Opacity

**Legend**

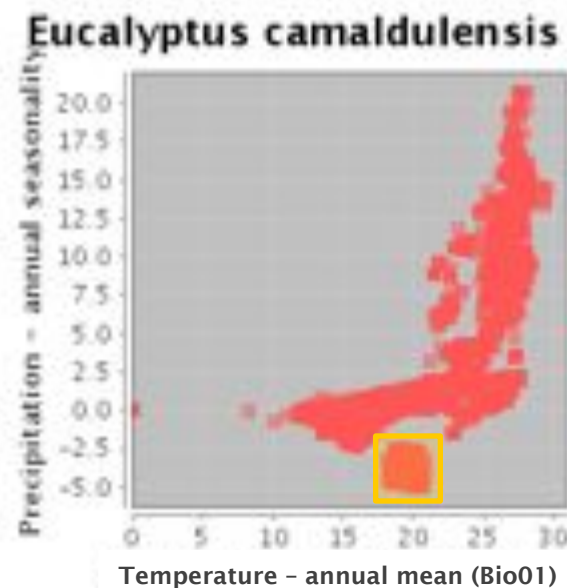
- Nature conservation
- Managed resource protected areas
- Other minimal uses
- Grazing of native pastures
- Forestry
- Plantation
- Modified pastures
- Cropping
- Horticulture
- Irrigated pastures and cropping
- Irrigated horticulture
- Intensive animal and plant production
- Rural residential
- Urban intensive uses
- Mining and waste
- Water
- Land in transition



# Tools: Environmental exploration Scatterplots



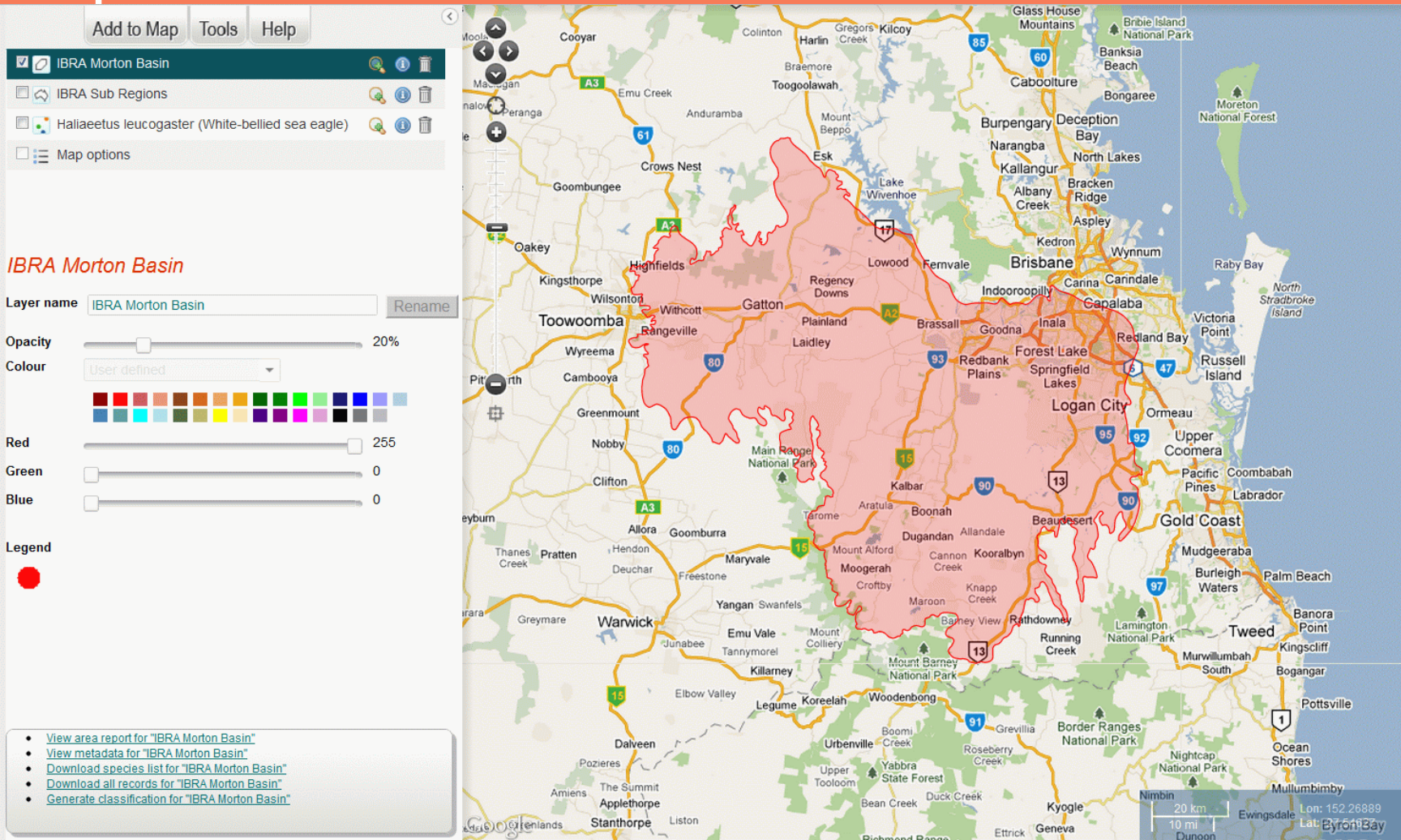
Map localities onto environmental parameters



Select records by environmental envelope

Links Environmental (2 variables) and geographic space

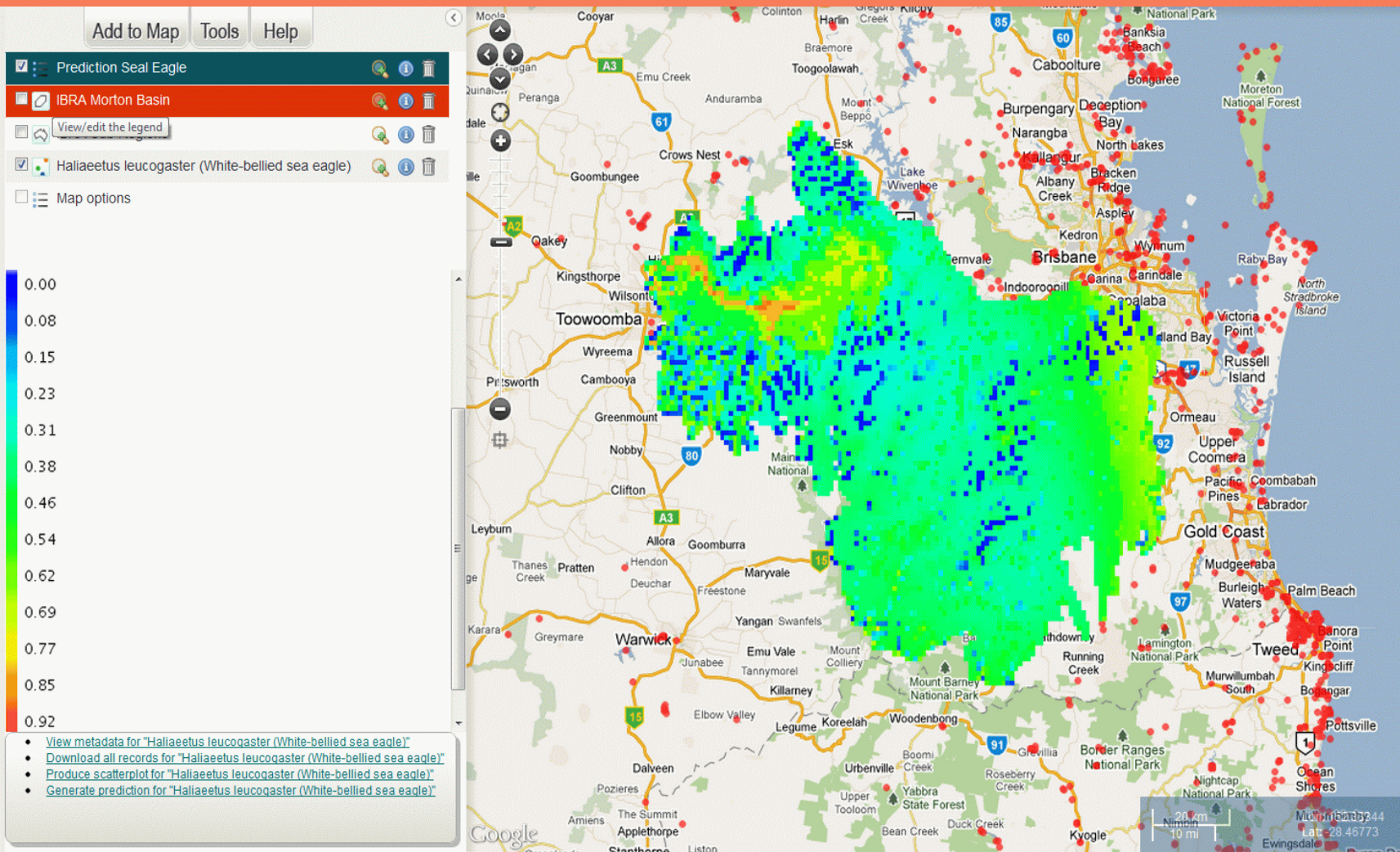
# Tools: Prediction: where a species could occur



Uses MaxEnt model. Input: species occurrences and environmental parameters at those locations. Here used Aridity Index (annual mean), Radiation, Dist to water.



# Tools: Prediction (niche modeling)



Output: A probability surface map

- 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.


# 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:  No file chosen

Bookmarked locations

-- select bookmarked location --

Hume Highway, near South Western Motorway

Bookmark location  Set as default



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

# Projects Using ALA Software



- Biodiversity Snapshots – Museum Victoria and Vic Dep't Education and Early Childhood Development
- Wild Backyards - Queensland Museum
- Birds Australia – Carnaby's Black Cockatoo Recovery, Bird Atlas, Shorebirds 2020
- ClimateWatch – EarthWatch
- Great Eastern Ranges Initiative
- TeachWild, a nationwide marine debris project. CSIRO, universities, teachers, students and employees from Founding Partners Shell Australia and Earthwatch
- Atlas of Life in the Coastal Wilderness – Merimbula.

# Other collaborative sites in development



- Great Eastern Ranges Initiative Southern Highlands Bird Survey Atlas of Living Australia
- Great Eastern Ranges Initiative Thurgoona Threatened Species Project (Slopes to Summit) Squirrel Glider (*Petaurus norfolcensis*)
- Great Eastern Ranges Initiative Reptiles and Frogs of the Kosciuszko 2 Coast Region
- Great Eastern Ranges Initiative Birds of the Kosciuszko 2 Coast Region
- Great Eastern Ranges Initiative Plants of the Kosciuszko 2 Coast Region
- Great Eastern Ranges Initiative Hunter Region
- Wolli Creek Preservation Society
- WOMPA
- BIOSpace

# 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.



Common Ringed Possum, *Pseudocheirus peregrinus*, Image: Robyn N. Miller / Aquatic Photographers

[Register Now](#)

[Take a tour](#)

## It's easy to participate...

- 1 Register your school
- 2 Go outside!
- 3 Record your observations

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.

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.

Upload your data back to the Biodiversity Snapshots main dashboard.

Analyse your results and share them back.

## Our Education Program

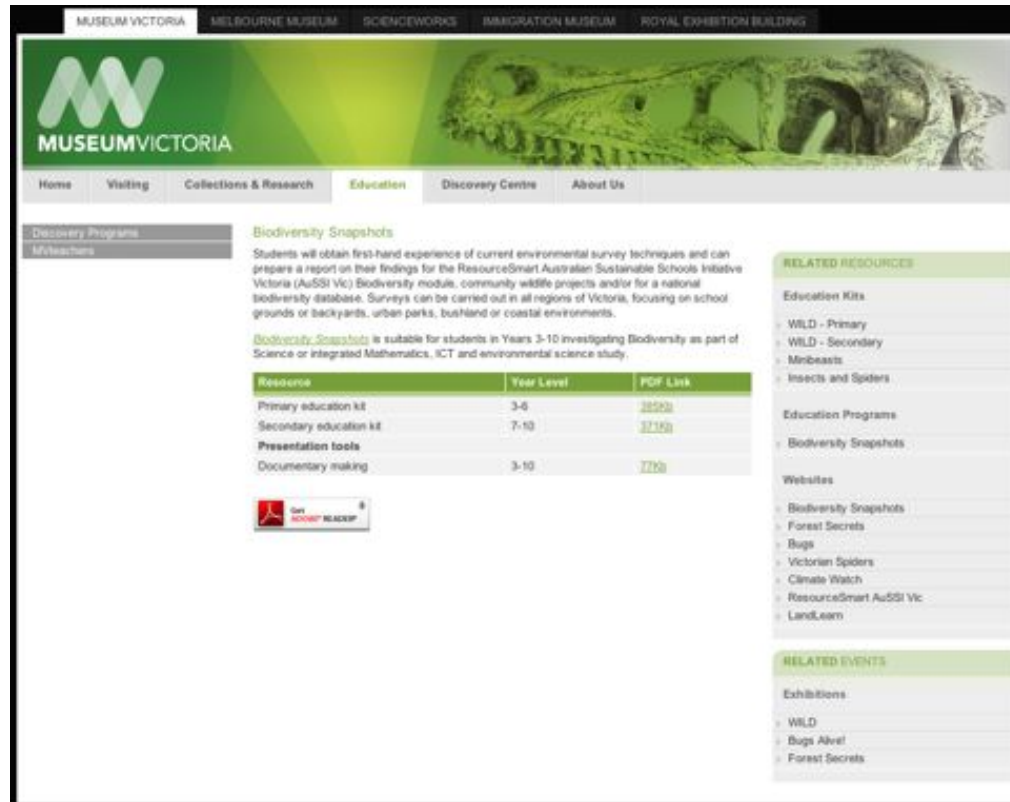
provides many resources for use before, during and after your Biodiversity Snapshots field trip.

## 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

Home Visiting Collections & Research Education Discovery Centre About Us


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	<a href="#">2852b</a>
Secondary education kit	7-10	<a href="#">3735b</a>
<b>Presentation tools</b>		
Documentary making	3-10	<a href="#">770b</a>



**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...

Home About BA Conservation Birds Media Publications Resources Support BA

Contact Us

## 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

### Register Now

**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.

Initially this site was developed to support the Birds Australia Carnaby's Black-Cockatoo Tracker project, and the people who were recording on the old site can still record their information here, where the data will help inform the broader Birds Australia Carnaby's Black-Cockatoo Recovery Project.

Since the project began, the team behind this site — from the *Atlas of Living Australia* — have been working with Birds Australia to add additional functionality and projects to the site. The various projects involved in the site will include nesting, roosting and general sighting forms that will enable community members to directly enter information into this online database and see their records built over time.

**Supported By**



**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.

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 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



# Online Survey Forms



**Birds Australia**  
AUSTRALIAN ORNITHOLOGICAL SOCIETY

Home Our Birds Science News Photo About Help

### Atlas General Form

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



Location

Latitude

Longitude

Date

Time

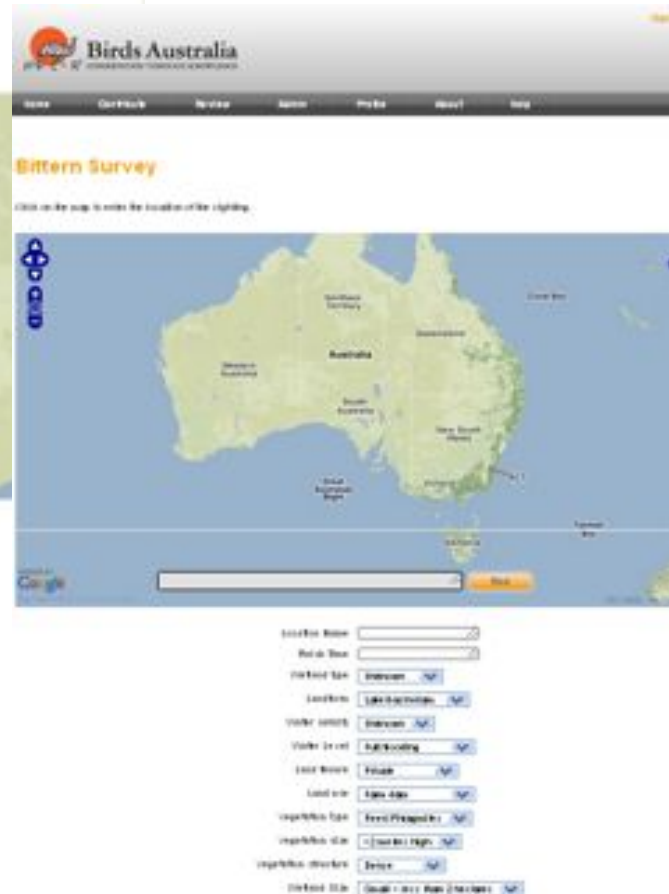
What is the identification method?

What is the sex?

Additional comments

Species type of search

Time spent searching




**Birds Australia**  
AUSTRALIAN ORNITHOLOGICAL SOCIETY

Home Our Birds Science News Photo About Help

### Bittern Survey

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



Location Name

Ref ID No.

Field No.

Location

Water source

Water level

Date

Time

Observer

Observer 2

Observer 3

Observer 4

Observer 5

Observer 6

Observer 7

Observer 8

Observer 9

Observer 10

Observer 11

Observer 12

Observer 13

Observer 14

Observer 15

Observer 16

Observer 17

Observer 18

Observer 19

Observer 20

Observer 21

Observer 22

Observer 23

Observer 24

Observer 25

Observer 26

Observer 27

Observer 28

Observer 29

Observer 30

Observer 31

Observer 32

Observer 33

Observer 34

Observer 35

Observer 36

Observer 37

Observer 38

Observer 39

Observer 40

Observer 41

Observer 42

Observer 43

Observer 44

Observer 45

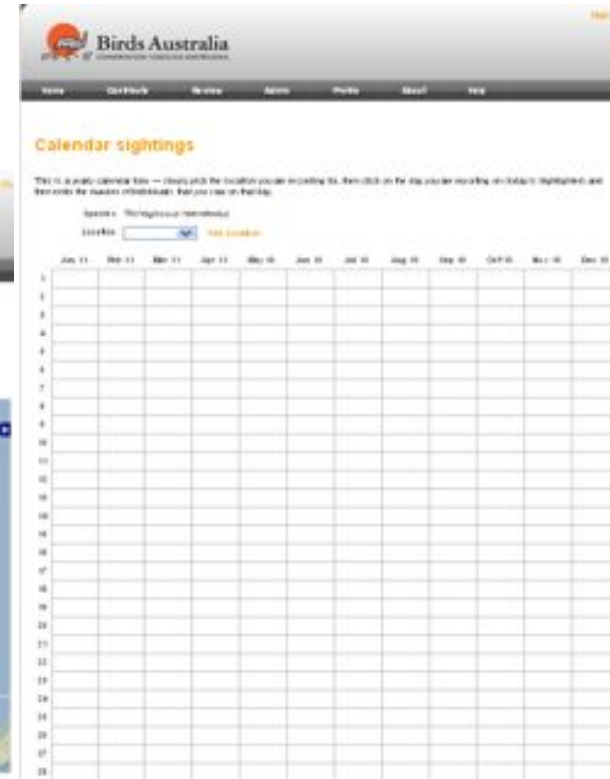
Observer 46

Observer 47

Observer 48

Observer 49

Observer 50



**Birds Australia**  
AUSTRALIAN ORNITHOLOGICAL SOCIETY

Home Our Birds Science News Photo About Help

### Calendar sightings

This is a public calendar form — users enter the location of the sighting in the calendar grid and then enter the number of sightings for that location on that day.

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												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												



# Tools: Web Services

ID	Name	Type (e.g. Mapping, Species, etc)	Description	Example of Use	Source Code Location Link	Contact
WS001	Autocomplete	JSON Web Service that returns a list of species/common names	Used to provide a list of scientific and common names that can be used to automatically complete a supplied partial name.	<a href="http://bie.ala.org.au/search/auto.json?q=Macropus%20ru&amp;limit=5">http://bie.ala.org.au/search/auto.json?q=Macropus%20ru&amp;limit=5</a>	<a href="http://code.google.com/p/ala-bie/source/browse/trunk/bie-webapp/src/main/java/org/ala/web/SearchController.java">http://code.google.com/p/ala-bie/source/browse/trunk/bie-webapp/src/main/java/org/ala/web/SearchController.java</a>	Natasha Carter
WS002	Search	JSON & XML Web Services	Full text search on all Text	<a href="http://bie.ala.org.au/search/auto.json?q=Red">http://bie.ala.org.au/search/auto.json?q=Red</a> <a href="http://bie.ala.org.au/search.json?q=red+kangaroo">http://bie.ala.org.au/search.json?q=red+kangaroo</a> <a href="http://bie.ala.org.au/search.json?q=red%20kangaroo&amp;fq=australian_s:recorded">http://bie.ala.org.au/search.json?q=red%20kangaroo&amp;fq=australian_s:recorded</a>	<a href="http://code.google.com/p/ala-bie/source/browse/trunk/bie-webapp/src/main/java/org/ala/web/SearchController.java#185">http://code.google.com/p/ala-bie/source/browse/trunk/bie-webapp/src/main/java/org/ala/web/SearchController.java#185</a>	Wai Man Mok
WS003	Species Page	JSON and JSONP (supports "callback" parameter)	Provides all available data for a given taxon names that can be used to automatically complete a supplied partial name.	<a href="http://bie.ala.org.au/species/urn:lsid:biodiversity.org.au:afd:taxon:aa745ff0-c776-4d0e-851d-369ba0e6f537.json">http://bie.ala.org.au/species/urn:lsid:biodiversity.org.au:afd:taxon:aa745ff0-c776-4d0e-851d-369ba0e6f537.json</a> <a href="http://bie.ala.org.au/species/urn:lsid:biodiversity.org.au:afd:taxon:aa745ff0-c776-4d0e-851d-369ba0e6f537.json?callback=123ABC">http://bie.ala.org.au/species/urn:lsid:biodiversity.org.au:afd:taxon:aa745ff0-c776-4d0e-851d-369ba0e6f537.json?callback=123ABC</a>	<a href="http://code.google.com/p/ala-bie/source/browse/trunk/bie-hbase/src/main/java/org/ala/dto/ExtendedTaxonConceptDTO.java">http://code.google.com/p/ala-bie/source/browse/trunk/bie-hbase/src/main/java/org/ala/dto/ExtendedTaxonConceptDTO.java</a>	Nick dos Remedios
WS004	Species List for Region	JSON Web Service	Gives a list of species for a given region for a specific taxonomic group. Example groups: Birds, Frogs, Reptiles, Flowering Plants, Arthropods.	<a href="http://bie.ala.org.au/regions/taxa.json?regionType=state&amp;regionName=Australia%20Capital%20Territory&amp;higherTaxon=Aves&amp;rank=class&amp;withImages=true&amp;start=1&amp;limit=100">http://bie.ala.org.au/regions/taxa.json?regionType=state&amp;regionName=Australia%20Capital%20Territory&amp;higherTaxon=Aves&amp;rank=class&amp;withImages=true&amp;start=1&amp;limit=100</a>		Dave Martin
WS005	Species Record near a point (INTERNAL USE ONLY)	JSON	Gives a list of species with a count of occurrences for a given latitude/longitude, restrict to a given taxon rank (para: and given value of rank and taxa), and radius (in km) area (circle shape). Radius is 5km.	<a href="http://biocache.ala.org.au/explore/species.json?latitude=-35.283295&amp;longitude=149.2167&amp;radius=5.0&amp;taxa=Aves&amp;rank=class">http://biocache.ala.org.au/explore/species.json?latitude=-35.283295&amp;longitude=149.2167&amp;radius=5.0&amp;taxa=Aves&amp;rank=class</a>		Nick dos Remedios
<b>Spatial Portal Services</b>						
WS006	List Layers	JSON and XML	Lists layers for the ALA Gazetteer Services	<a href="http://spatial.ala.org.au/gazetteer/">http://spatial.ala.org.au/gazetteer/</a>	<a href="http://spatial.ala.org.au/gazetteer/">http://spatial.ala.org.au/gazetteer/</a>	Angus Macaulay
WS007	Show Layer Details	JSON and XML	Shows the layer details for the ALA Gazetteer Services	<a href="http://spatial.ala.org.au/gazetteer/state">http://spatial.ala.org.au/gazetteer/state</a>	<a href="http://spatial.ala.org.au/gazetteer/{layerName}">http://spatial.ala.org.au/gazetteer/{layerName}</a>	Angus Macaulay
WS008	List Layer Features	JSON and XML	Lists of layer entries for the ALA Gazetteer Services	<a href="http://spatial.ala.org.au/gazetteer/ibra/features">http://spatial.ala.org.au/gazetteer/ibra/features</a>	<a href="http://spatial.ala.org.au/gazetteer/{layerName}/features/{n}">http://spatial.ala.org.au/gazetteer/{layerName}/features/{n}</a>	Angus Macaulay
WS009	Show Layer Features	JSON and XML	The layer and ID that the feature belongs to for the ALA Gazetteer Services	<a href="http://spatial.ala.org.au/gazetteer/ibra/Australian_ALPS/ACT.json">http://spatial.ala.org.au/gazetteer/ibra/Australian_ALPS/ACT.json</a>	<a href="http://spatial.ala.org.au/gazetteer/{layerName}/{id}.json.xml">http://spatial.ala.org.au/gazetteer/{layerName}/{id}.json.xml</a>	Angus Macaulay
WS0010	Term Search	XML	The string(s) to search for (case insensitive, spaces represented using the character %) - ALA Gazetteer Services	<a href="http://spatial.ala.org.au/gazetteer/search?q=Queenbevan">http://spatial.ala.org.au/gazetteer/search?q=Queenbevan</a>	<a href="http://spatial.ala.org.au/gazetteer/search?q={search term}">http://spatial.ala.org.au/gazetteer/search?q={search term}</a>	Angus Macaulay
WS0011	Point Search	XML	List of regions (IBRA, IMCRA, States and Territories, LGAs, ?) giving the latitude and longitude of the point (using decimal notation) that the point falls in to - ALA Gazetteer Services	<a href="http://spatial.ala.org.au/gazetteer/search?lon=148.866&amp;lat=-36.170">http://spatial.ala.org.au/gazetteer/search?lon=148.866&amp;lat=-36.170</a>	<a href="http://spatial.ala.org.au/gazetteer/search?lon={lon}&amp;lat={lat}">http://spatial.ala.org.au/gazetteer/search?lon={lon}&amp;lat={lat}</a>	Angus Macaulay
				or <a href="http://spatial.ala.org.au/gazetteer/latlon/-36.170,148.866">http://spatial.ala.org.au/gazetteer/latlon/-36.170,148.866</a>	Alternate cacheable URL: <a href="http://spatial.ala.org.au/gazetteer/{layerName}/latlon/{lat,lon}">http://spatial.ala.org.au/gazetteer/{layerName}/latlon/{lat,lon}</a>	Angus Macaulay
WS0012	Point Search + Radius	XML	List of regions (IBRA, IMCRA, States and Territories, LGAs, ?) giving the latitude and longitude of the point (using decimal notation) and radius of the point (in Kilometres) that the point falls in to - ALA Gazetteer Services	<a href="http://spatial.ala.org.au/gazetteer/search?lon=148.866&amp;lat=-36.170&amp;radius=30">http://spatial.ala.org.au/gazetteer/search?lon=148.866&amp;lat=-36.170&amp;radius=30</a>	<a href="http://spatial.ala.org.au/gazetteer/search?lon={lon}&amp;lat={lat}&amp;radius={radius}">http://spatial.ala.org.au/gazetteer/search?lon={lon}&amp;lat={lat}&amp;radius={radius}</a>	Angus Macaulay
WS0013	Closest Feature Search	XML	The closest feature search returns the closest feature provided a point (Latitude/Longitude) and a radius. An optional count can be	<a href="http://spatial.ala.org.au/gazetteer/search?closestFeature=true&amp;radius=50&amp;lat=-32.2622&amp;lon=138.7476&amp;layer=qaqaz">http://spatial.ala.org.au/gazetteer/search?closestFeature=true&amp;radius=50&amp;lat=-32.2622&amp;lon=138.7476&amp;layer=qaqaz</a>	<a href="http://spatial.ala.org.au/gazetteer/search?closestFeature=true&amp;lat={lat}&amp;lon={lon}&amp;radius={radius}&amp;count={count}">http://spatial.ala.org.au/gazetteer/search?closestFeature=true&amp;lat={lat}&amp;lon={lon}&amp;radius={radius}&amp;count={count}</a>	Angus Macaulay

# Adoption of ALA by users




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

Wildlife Institute of India, New Delhi  
110068, India  
Phone: +91 11 2619 5200  
Fax: +91 11 2619 5201  
Email: [inbif@wii.gov.in](mailto:inbif@wii.gov.in)

**What is InBIF?**  
InBIF is a mentoring project that provides a platform for Indian biodiversity experts to mentor Australian biodiversity experts. The project aims to facilitate knowledge exchange and collaboration between the two countries.

**Why is InBIF important?**  
InBIF is important because it provides a platform for Indian biodiversity experts to mentor Australian biodiversity experts. This helps to build capacity and expertise in Australia, and provides a valuable resource for Indian biodiversity experts.

**How does InBIF work?**  
InBIF works through a series of mentoring activities, including webinars, workshops, and field visits. The project is supported by the Australian Government and the Wildlife Institute of India.



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

J. J. Clouston<sup>1,2</sup> & V. Yessierli<sup>3</sup>

<sup>1</sup>CSIRO Health, Water & Ocean Policy, 120 Sturt St, Perth, Western Australia  
<sup>2</sup>CSIRO Research Group, 15 Greenway Rd, Murdoch, WA, Australia  
Manuscript received 15th August 2010

**Abstract**

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

**Introduction**

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

**Methods**

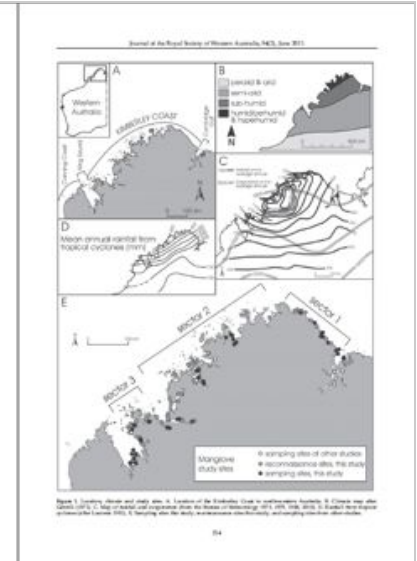
We conducted a field survey of the Kimberley Coast mangroves in a tropical coast setting. The survey was conducted in a tropical coast setting, which is a unique combination of a tropical coast setting and a tropical coast setting.

**Results**

The Kimberley Coast mangroves are found in a tropical coast setting, which is a unique combination of a tropical coast setting and a tropical coast setting.

**Conclusions**

The Kimberley Coast mangroves are found in a tropical coast setting, which is a unique combination of a tropical coast setting and a tropical coast setting.



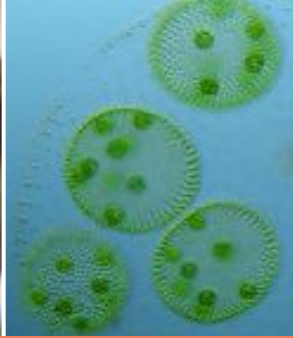
ALA tools and services adopted for Great Eastern Ranges restoration corridor activities

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](http://www.ala.org.au)



ATLAS OF **LIVING**  
**AUSTRALIA**  
sharing biodiversity knowledge



An Australian Government Initiative  
National Collaborative Research  
Infrastructure Strategy