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sharing biodiversity knowledge



# Atlas of Living Australia

## John Tann

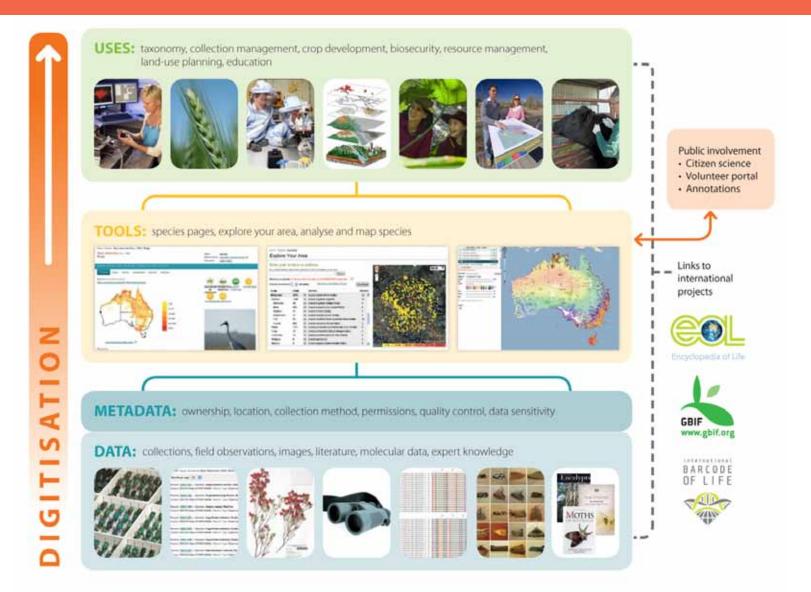
john.tann@austmus.gov.au

DPI Victoria 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

# Implementation





For online access to Australia's biodiversity information



## The Atlas of Living Australia Participants

## www.ala.org.au





An Australian Government Initiative

National Collaborative Research Infrastructure Strategy



Australian Government Department of Agriculture,

Fisheries and Forestry



Australian Government
Department of Sustainability, Environment,
Water, Population and Communities



The Atlas is funded by the Australian Government under the National Collaborative Research Infrastructure Strategy and the Education Investment Fund

# **Global projects**





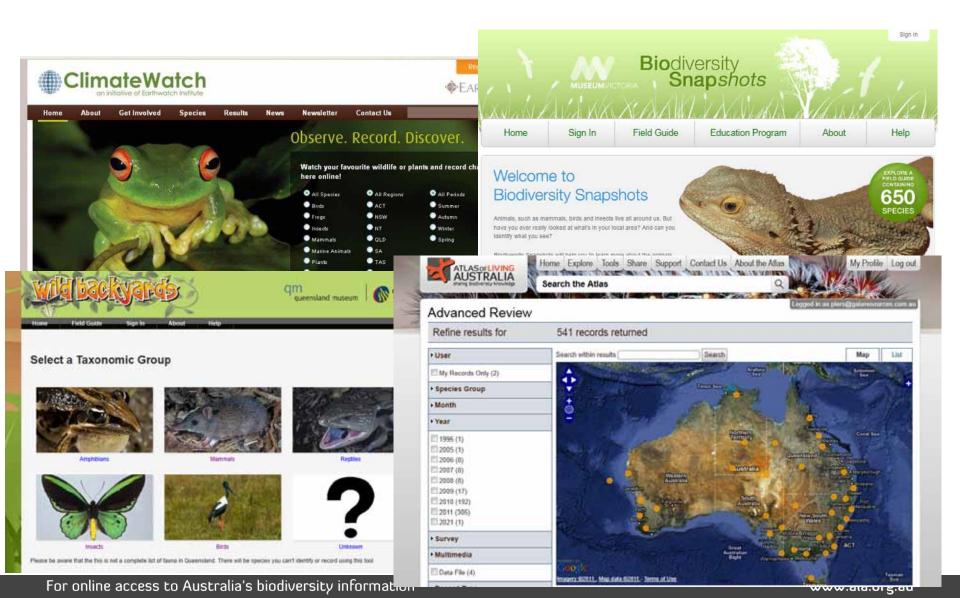






# **Community Projects**





# Field data capture

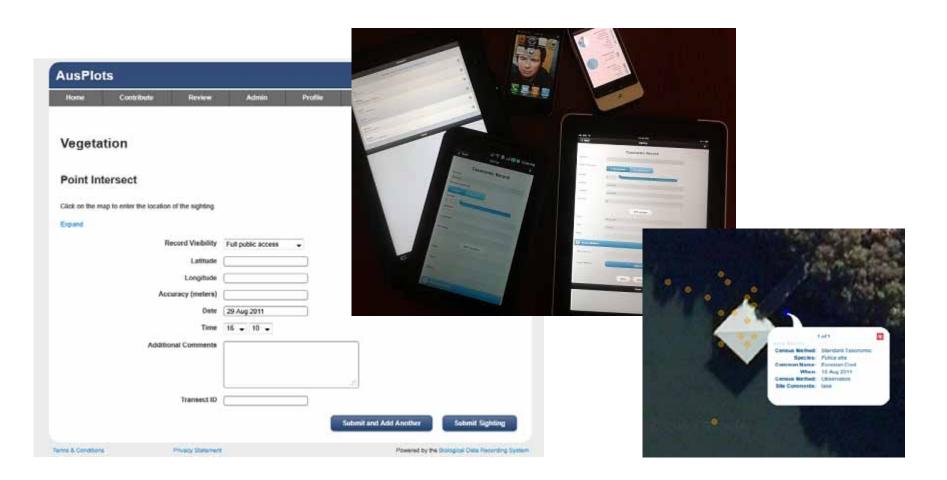


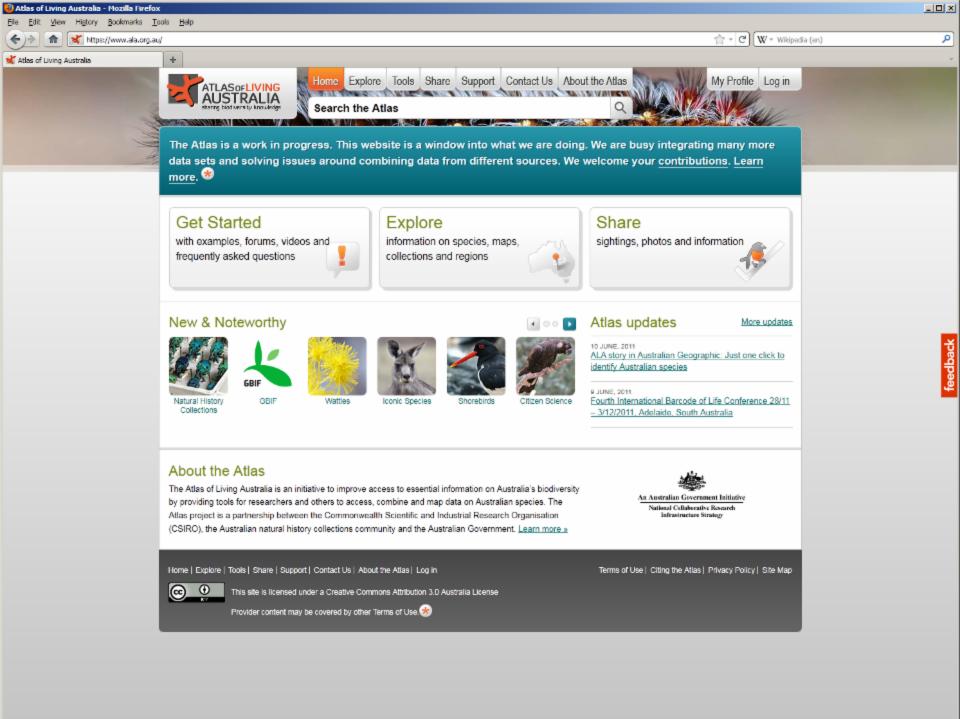


## Plus TERN, TRIN, Ausplots, more











Current themes within the Atlas of Living Australia

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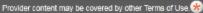




**Biodiversity Case** Studies

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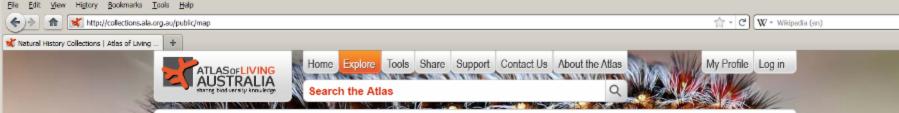
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http://collections.ala.org.au/public/map

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Home : Explore : Natural History 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 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.



indicates there are multiple collections at this location.

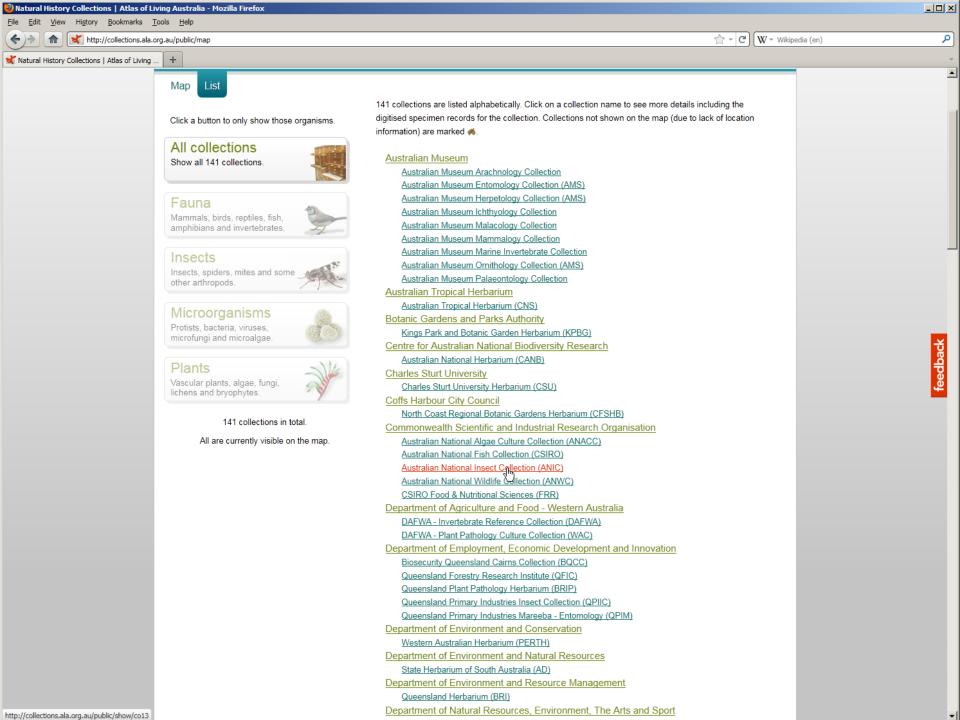
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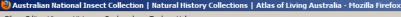
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<u>File Edit View History Bookmarks Tools Help</u>

ttp://collections.ala.org.au/public/show/co13

+

💥 Australian National Insect Collection | Natur...



Home : Explore : Natural History Collections : Australian National Insect Collection

### Australian National Insect Collection

Commonwealth Scientific and Industrial Research Organisation

Acronym: ANIC LSID

Overview Records & Statistics

#### Description

The Australian National Insect Collection (ANIC) is the world's largest collection of Australian insects and related groups such as mites, spiders, earthworms, nematodes and centipedes.

ANIC is an important research collection used by CSIRO researchers, university staff and students, and scientists from Australian and international research organisations.

The collection was established in 1928 and continues to the present.

### Taxonomic range

Kingdoms covered include: Animalia.

The Australian National Insect Collection includes members from the following taxa: Insecta, Arachnida, Chilopoda, Collembola, Crustacea and Diplopoda.

#### Geographic range

All Australian states are covered

#### Number of specimens in the collection

The estimated number of specimens in the Australian National Insect Collection is 12,000,000.

Of these 500,000 are databased. This represents 4.2 % of the collection.

Click the Records & Statistics tab to access those database records that are available through the atlas.

#### Sub-collections

The Australian National Insect Collection contains these significant collections:

- ANIC Queensland Bioscience Precinct The primary focus of the ANIC sub-collection held at the Biosciences Precinct in Brisbane stems from research on invasive insects of Australian plant species.
- ANIC Northern Territory The primary focus of this collection is northern Australian ant fauna (Hymenoptera: Formicidae), with > 5,000 Australian species represented in the collection. It also

http://collections.ala.org.au/public/show/co13#statistics asludge a comprehensive collection of grasshenpers (Otherters) and a representative collection of



My Profile Log in

One of the three collection halls within ANIC

Location Clunies Ross Street Canberra ACT 2601 Australia

Contact Dr Beth Mantle ANIC Manager phone: (02) 6246 4281

#### <u>email</u>

Dr Alan Anderson Curator of the ANIC - Northern Territory sub-collection phone: (08) 8944 8431

#### <u>email</u>

Dr Tim Heard Curator of the ANIC - Queensland Bioscience Precinct sub-collection phone: (07) 3833 5730 email

#### Web site

Visit the collection's website Visit the institution's website

#### Membership

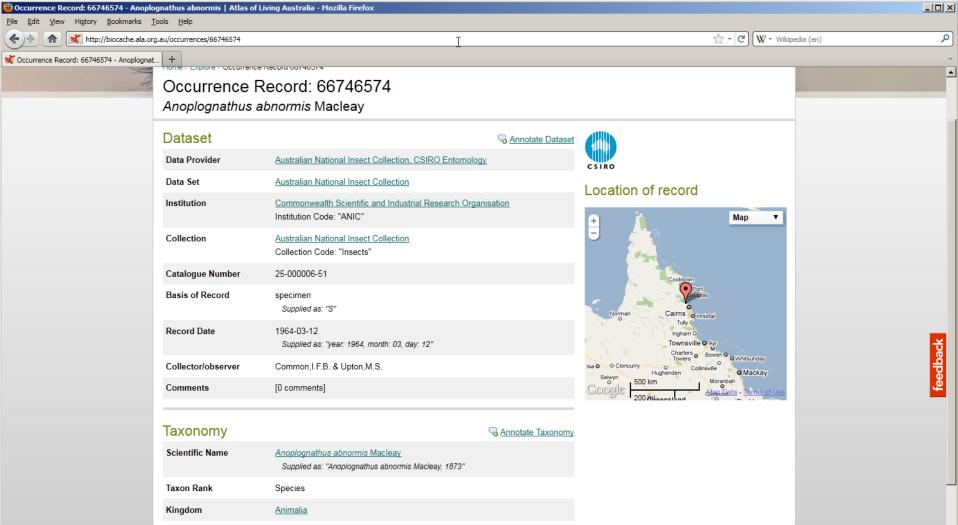
Council of Heads of Australian Entomological Collections

feedback

P



| Collection: Australian National Insect Collection   Occurrence Search  | Atlas of Living Australia - Mozilla Firefox  |                     |                       | <u>_</u> _× |  |
|--|--|---------------------|-----------------------|-------------|--|
| <u>File Edit View History Bookmarks Tools H</u> elp  |  |                     |                       |             |  |
| ★ Mttp://biocache.ala.org.au/occurrences/searchForUID?q=co13&fq=order:Coleoptera                                 |  |                     |                       | edia (en)   |  |
| Collection: Australian National Insect Collect +   |  |                     |                       | +           |  |
|  |  |                     | View as Map Download  | *           |  |
| Refine results   | 61,556 results returned for Collection: Australian Nationa   | al Insect Collectio | on                    |             |  |
| Current Filters  | Results per page 20 💌  | Sort by best match  | ▼ Sort order normal ▼ |             |  |
| Order: Coleoptera [X]  | Record: 181454546 — Species: Acanthoscelides macrophthalmus  |                     |                       |             |  |
| Dataset  | Dataset: Australian National Insect Collection Record Type: Specimen   |                     |                       |             |  |
| Australian National Insect Coll<br>(60,910)<br>Australian National Insect Coll<br>EntomID-PNG Dataset (646)      | Ction Record: <u>181434347</u> — Species: Acanthoscelides obtectus Dataset: Australian National Insect Collection Record Type: Specimen  |                     |                       |             |  |
| State/Territory  | Record: <u>181454548</u> — Species: <i>Acanthoscelides obtectus</i><br>Dataset: Australian National Insect Collection Record Type: Specimen  |                     |                       |             |  |
| Queensland (10,139)<br>New South Wales (3,508)<br>Northern Territory (1,838)<br>Australian Capital Territory (1, | Record: <u>181454549</u> — Species: <i>Acanthoscelides obtectus</i><br>Dataset: Australian National Insect Collection Record Type: Specimen<br>22) Record: <u>181454550</u> — Species: <i>Acanthoscelides obtectus</i> |                     |                       |             |  |
| + Show More  | Dataset: Australian National Insect Collection Record Type: Specimen   |                     |                       | act.        |  |
| Biogeographic Region Wet Tropics (3,711)   | Record: <u>181454551</u> — Species: <i>Acanthoscelides obtectus</i><br>Dataset: Australian National Insect Collection Record Type: Specimen  |                     |                       | feedt       |  |
| Cape York Peninsula (3,675)<br>South Eastern Highlands (2,16<br>Einasleigh Uplands (1,706)<br>+ Show More        |  |                     |                       |             |  |
| Identified to Rank   | Record: <u>181454553</u> — Species: Acanthoscelides obtectus   |                     |                       |             |  |
| Species (59,078)   | Dataset: Australian National Insect Collection Record Type: Specimen   |                     |                       |             |  |
| Genus (1,156)<br>Subspecies (887)<br>Infraspecific (433)   | Record: <u>181454554</u> — Species: <i>Acanthoscelides obtectus</i><br>Dataset: Australian National Insect Collection Record Type: Specimen  |                     |                       |             |  |
| + Show More  | Record: <u>181454555</u> — Species: Acanthoscelides obtectus   |                     |                       |             |  |
| Family   | Dataset: Australian National Insect Collection Record Type: Specimen   |                     |                       |             |  |
| <u>Scarabaeidae</u> (28,522)<br><u>Dytiscidae</u> (8,626)<br><u>Hydrophilidae</u> (5,785)                        | Record: <u>181454556</u> — Species: <i>Acanthoscelides obtectus</i><br>Dataset: Australian National Insect Collection Record Type: Specimen  |                     |                       |             |  |
| <u>Chrysomelidae</u> (4,497)<br>+ Show More  | Record: <u>181454557</u> — Species: <i>Acanthoscelides obtectus</i><br>Dataset: Australian National Insect Collection Record Type: Specimen  |                     |                       |             |  |
| Date (by month)  | Record: 181454558 — Species: Acanthoscelides obtectus  |                     |                       |             |  |
| January (3,484)<br>February (2,100)  | Dataset: Australian National Insect Collection Record Type: Specimen   |                     |                       |             |  |
| <u>March</u> (1,308)<br><u>April</u> (1,462)   | Record: <u>181454559</u> — Species: <i>Acanthoscelides obtectus</i><br>Dataset: Australian National Insect Collection Record Type: Specimen  |                     |                       |             |  |



Annetete Consertial

| -               |   |
|-----------------|---|
| Scientific Name | Anoplognathus abnormis Macleay<br>Supplied as: "Anoplognathus abnormis Macleay, 1873" |
| Taxon Rank      | Species   |
| Kingdom         | Animalia  |
| Phylum          | Arthropoda  |
| Class           | Insecta   |
| Order           | <u>Coleoptera</u>   |
| Family          | Scarabaeidae  |
| Genus           | Anoplognathus   |
| Species         | Anoplognathus abnormis<br>Supplied as: "abnormis"                                     |
| Comments        | [0 comments]  |
|                 |   |

Geografial

| 🥹 Occurrence Record: 66746574 - Anoplognathus abnormis   Atlas of Living Australia - Mozilla Firefox   |   |   |                     |   |                                       |
|--|---|---|---------------------|---|---------------------------------------|
| <u>File Edit View History Bookmarks Iools H</u> elp  |   |   |                     |   |                                       |
| Image: State |   | 🕎 👻 (C) (W - Wikipe   | dia (en)            |   |                                       |
| 💥 Occurrence Record: 66746574 - Anoplognat.  | +   | Supplied as: "Anoplognathus abnormis Macleay, 1873"   |                     |   | -                                     |
|  | T   |   |                     |   | <b>_</b>                              |
|  | Taxon Rank  | Species   |                     |   |                                       |
|  | Kingdom   | Animalia  |                     |   |                                       |
|  | Phylum  | Arthropoda  |                     |   |                                       |
|  | Class   | Insecta   |                     |   |                                       |
|  | Order   | <u>Coleoptera</u>   |                     |   |                                       |
|  | Family  | <u>Scarabaeidae</u>   |                     |   |                                       |
|  | Genus   | Anoplognathus   |                     |   |                                       |
|  | Species   | Anoplognathus abnormis<br>Supplied as: "abnormis"   |                     |   |                                       |
|  | Comments  | [0 comments]  |                     |   |                                       |
|  | Geospatial  |   | Annotate Geospatial |   |                                       |
|  | Country   | Australia   | $\Box$              |   | s s s s s s s s s s s s s s s s s s s |
|  | State/Province  | Queensland  |                     |   | feedback                              |
|  | Biogeographic<br>Region                               | Wet Tropics   |                     |   | <mark>fe</mark>                       |
|  | Place   | Douglas; Mareeba  |                     |   |                                       |
|  | Locality  | 9 mls. N of Kuranda   |                     |   |                                       |
|  | Latitude  | -16.733329999999999   |                     |   |                                       |
|  | Longitude   | 145.5667  |                     |   |                                       |
|  | Coordinate<br>Precision (metres)                      | 10km  |                     |   |                                       |
|  | Comments  | [0 comments]  |                     |   |                                       |
|  | First indexed: 2007-05-09<br>Last indexed: 2007-05-09 |   |                     |   |                                       |
| http://biocache.ala.org.au/occurrences/6674657   | This site is li                                       | Support   Contact Us   About the Atlas   My Profile<br>censed under a Creative Commons Attribution 3.0 Australia Lic<br>itent may be covered by other Terms of Use. 😣 | ense                | Terms of Use   Citing the Atlas   Privacy Policy   Site Map |                                       |

🕴 Dodonaea viscosa (L.) Jacq. [CHAH 2006] @biodiversity.org.au taxonomic repository services - Mozilla Firefox <u>File Edit View History Bookmarks Tools Help</u> م nttp://biodiversity.org.au/taxon/Dodonaea ovata.html ☆ - C W - Wikipedia (en) (←) > × + 🛠 Biodiversity Information Explorer | Atlas ... 🛛 🚸 Dodonaea viscosa (L.) Jacq. [CHAH 200... 🗙 🗋 New Tab

### Dodonaea viscosa (L.) Jacq. [CHAH 2006] 🖉

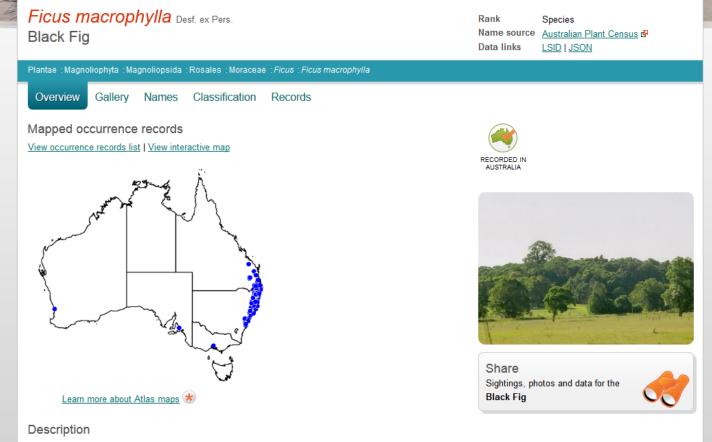
| URI  | http://biodiversity.org.au/apni.taxon/298605                          |            |  |  |
|--|---|------------|--|--|
| LSID   | urn:lsid:biodiversity.org.au:apni.taxon:298605                        |            |  |  |
| Name   | Dodonaea viscosa (L.) Jacq. 🌶   |            |  |  |
| Taxonomic tree   | according to apc 🖉  |            |  |  |
| According to   | CHAH (2006)   |            |  |  |
| Publication  | CHAH, (2006) Australian Plant Census.                                 |            |  |  |
| includes (nomenclatural)   | Ptelea viscosa L. 🖉   |            |  |  |
| includes (taxonomic)   | Dodonaea angustifolia Roxb. 🖉   |            |  |  |
| includes (taxonomic)   | Dodonaea dioeca Roxb. 🖉   |            |  |  |
| includes (taxonomic)   | Dodonaea neriifolia A.Cunn. ex A.M.Gray 🌶                             |            |  |  |
| includes (taxonomic)   | Dodonaea ovata Dum.Cours. 🖉   |            |  |  |
| includes (taxonomic)   | Dodonaea scabra Lodd. ex Loudon 🖉                                     |            |  |  |
| is child taxon of (classification)   | Dodonaea Mill. sensu West, J.G (1985) 🌾 🌶                             | APC (2006) |  |  |
| is parent taxon of (classification)  | )Dodonaea viscosa 'Purpurea' sensu Galbraith, J. (1970) 🆑 🕫           | APC (2006) |  |  |
|  | )Dodonaea viscosa (L.)Jacq. subsp. viscosa [CHAH 2006] 🆑 🗖            | APC (2006) |  |  |
|  | )Dodonaea viscosa (L.)Jacq. subsp. viscosa [CHAH 2006] 🎸 🖉            |            |  |  |
| is parent taxon of (classification) Dodonaea viscosa subsp. angustifolia (L.f.) J.G.West sensu West, J.G (1985) 🖑 🖉 APC (2002) |   |            |  |  |
| is parent taxon of (classification   | ) Dodonaea viscosa subsp. angustissima (DC.) J.G.West [CHAH 2005] 쁓 🖉 | APC (2008) |  |  |
| is parent taxon of (classification)  | ) Dodonaea viscosa subsp. burmanniana (DC.) J.G.West [CHAH 2006] 🌾 🔊  | APC (2006) |  |  |
| is parent taxon of (classification   | ) Dodonaea viscosa subsp. burmanniana (DC.) J.G.West [CHAH 2006] 쁓 🔊  |            |  |  |
| is parent taxon of (classification   | ) Dodonaea viscosa subsp. cuneata (Sm.) J.G.West [CHAH 2006] 🆑 🌶      | APC (2006) |  |  |
| is parent taxon of (classification   | ) Dodonaea viscosa subsp. cuneata (Sm.) J.G.West [CHAH 2006] 쁓 🔊      |            |  |  |
| is parent taxon of (classification   | ) Dodonaea viscosa subsp. mucronata J.G.West [CHAH 2006] 쁓 🔊          | APC (2006) |  |  |
|  | ) Dodonaea viscosa subsp. mucronata J.G.West [CHAH 2006] 💞 🖉          |            |  |  |
| is parent taxon of (classification)  | ) Dodonaea viscosa subsp. spatulata (Sm.) J.G.West [CHAH 2006] 쁓 🌶    | APC (2006) |  |  |
| is parent taxon of (classification   | ) Dodonaea viscosa subsp. spatulata (Sm.) J.G.West [CHAH 2006] 쁓 🖈    |            |  |  |
|  |   |            |  |  |



Home : Explore : Search the Atlas

| Refine results                            | 4 results returned for moreton bay fig  |   |                   |
|---|---|---|-------------------|
| Current Filters                           | Results per page 10 💌   | Sort by best match  | Sort order normal |
| Recorded in Australia: yes [X]            | Species: <u>Ficus macrophylla Desf. ex Pers.</u> – Black Fig  |   |                   |
| Section                                   | Figwood, Moreton Bay Fig, Black Fig<br>Kingdom: Plantae   |   | <b>A</b> .        |
| <u>Species Pages</u> (4)                  | Record a sighting Share a photo   |   | South States      |
| Taxonomic Rank                            |   |   |                   |
| <u>Species</u> (4)                        |   | The second se |                   |
| Kingdom                                   | Species: <u>Ficus watkinsiana F.M.Bailey</u> – Figwood  |   |                   |
| <u>Plantae</u> (3)<br><u>Animalia</u> (1) | Green Leaved Morten <b>Bay Fig</b> , Grey Leaved <b>Moreton Bay Fig</b> , Nipple<br>Watkin's <b>Fig</b> , Watkin's Strangler <b>Fig</b> , Watkins <b>Fig</b> , <b>Fig</b> wood<br>Kingdom: Plantae<br><u>Record a sighting</u> <u>Share a photo</u> | Fig, Strangler Fig, Stranglin   | g Fig.            |
|   | Species: <u>Ficus platypoda A.Cunn. ex Miq. (Miq.)</u> – Figwood<br>Native Fig, Rock Fig, Small Leaved Moreton Bay Fig, Figwood<br>Kingdom: Plantae<br><u>Record a sighting</u> <u>Share a photo</u>  |   |                   |
|   | Species: <u>Mycopsylla fici (Tryon, 1895)</u> – Moreton Bay Fig Psyllid<br>Kingdom: Animalia<br><u>Record a sighting</u> <u>Share a photo</u>   |   |                   |

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The genus Ficus consists of about 800 species distributed throughout India, parts of Asia, the Pacific islands and Australia. There are about 40 Australian species most of which are found in tropical areas.

Ficus macrophylla is a medium to large, spreading tree 15 to 35 metres high with a similar spread. ... SOURCE: <u>Australian Native Plants Society (Australia</u>) 🗗

The Moreton Bay Fig is an evergreen tree that can reach heights of 60 m (200 ft). The trunk can be massive, with thick, prominent buttressing, and reach a diameter of 2.4 m (8 ft). The rough bark is grey-brown, and marked with various blemishes. It is monoecious : each tree bears functional male and female flowers. ... SOURCE: Wikipedia 🗗

### **Online Resources**

| 🞐 <u>Australian Native Plants Society (Australia)</u> 🗗 | Names, Description, Distribution |
|---|----------------------------------|
| Australian Plant Census 🗗                               | Names                            |
| 🖲 Australian Plant Image Index 🗗                        | Images                           |
| Australian Plant Names Index 🗗                          | Names                            |

