

The Atlas of Living Australia





ALA - sharing biodiversity knowledge





>\$46 million investment

- \$8.2M NCRIS (2007-2011)
- \$30M SS EIF (2010-2012)
- \$2.8 M CRIS (2013-2015)
- \$5.7M NCRIS2013 (2013-2015)





A world-leading collaborative e-infrastructure integral to growing biodiversity knowledge



Partners – founding & beyond

- founding partners and contributors primarily biological collections and museums
- increased contribution & use by citizen science, government, industry







>57 million records

- >750 data sets
- >410 spatial layers
- >3.7 billion records downloaded
- >3.5 thousand users/day



National Research infrastructure

- NCRIS established by Howard Gov
- Currently within Education Dept (perhaps better fit in Industry & Science?)
- Related environmental infrastructures TERN (terrestrial ecological info/data capture) & IMOS (marine)





Data

- specimens
- occurrence
- images, sounds
- literature
- sequences
- more coming.....



Open source & open access

- ALA driving cultural shift regarding open access to data
- ALA at forefront of accessibility to public sector information



System

- data capture & aggregation
- data management
- data discovery
- data visualisation
- data analysis & reporting





Started as an initiative of the Australian biological collections community. Founding partners included museums, herbaria and their representatives. Focus on unlocking information in collections and making it widely available.



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The demographic has shifted.
57 million records
10 million from collections (18%)

660,000 images 53,000 from collections (08%)



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3.7 billion records downloaded to support research, conservation, education

77 million to support systematic research (57M) and collection management (20M) (2%)



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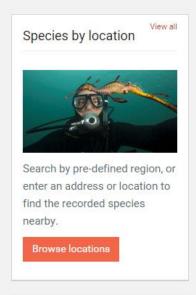
We are specifically not a digitisation initiative – Although we want to help people to digitise.

We want to reinvigorate our relationship with the biological collections and systematic community

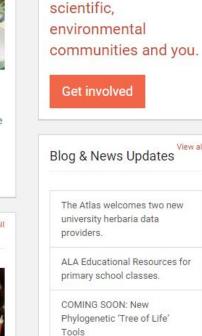
Search the Atlas ... Submit

Explore the Atlas of Living Australia







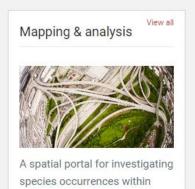


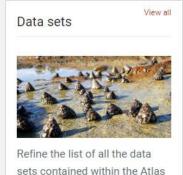
Sharing biodiversity

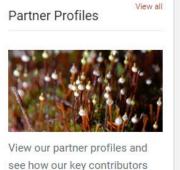
Australia's academic,

knowledge

Contributed by





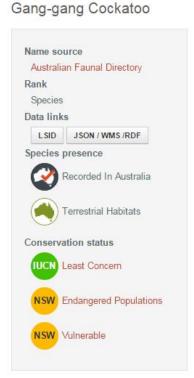


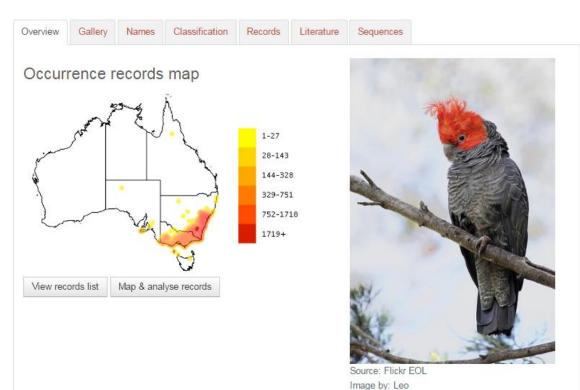
Home → Australia's species → Callocephalon fimbriatum

Callocephalon fimbriatum (Grant, 1803)

Record a sighting Alerts A

User settings *





Sounds



Description

View more details of this audio

The Gang-Gang Cockatoo is a dark grey cockatoo. It has prominent crest. The male has a red head and grey body. The female has grey head and body. Immature birds look like the hen except for some red in the head feathers in young males source: OZ Animals

Gang-gang cockatoos are one of the more distinctive and charismatic members of Australia's avifauna. These birds are primarily slate-grey, with the males easily identified by their scarlet head and wispy crest, while females have a grey head and crest and feathers edged with salmon pink on the underbelly. ... source: Office of Environment and Heritage

s Of Living Australia Contact us Get involved ALA Apps - Search the Atlas Search

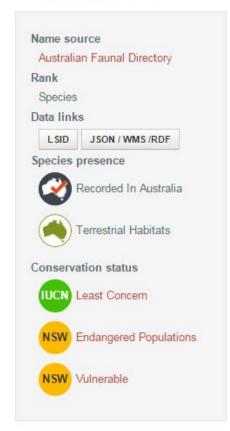
Source: Australian National Wildlife Collection

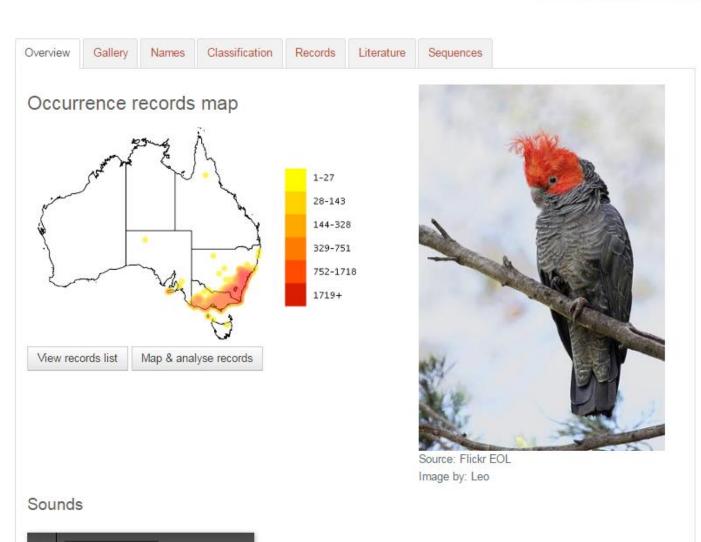
View more details of this audio

Home → Australia's species → Callocephalon fimbriatum

Callocephalon fimbriatum (Grant, 1803)

Gang-gang Cockatoo





Record a sighting

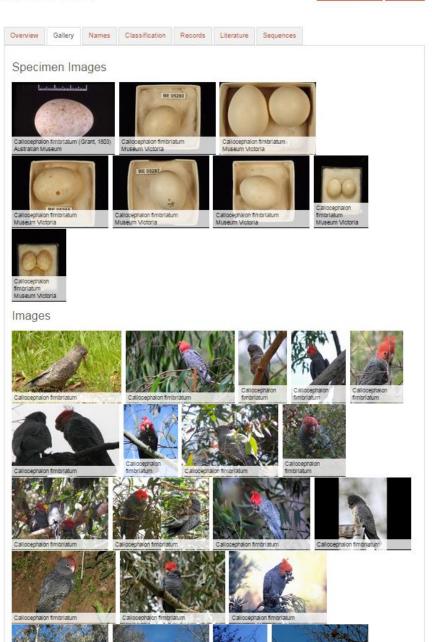
Alerts A

Home → Australia's species → Callocephalon fimbriatum

Callocephalon fimbriatum (Grant, 1803)

Gang-gang Cockatoo





Record a sighting Alerts

Species by location

Explore by pre-defined region



Pre-defined regions include states and territories, local government areas, biogeographic regions, marine regions, management regions and more. Explore regions

Explore by address or location



Simply enter an address or location to find the recorded species nearby. You can set the size of the search area and download the results.

Explore your area

Sharing biodiversity knowledge

Contributed by Australia's academic, scientific. environmental communities and you.

Get involved

Blog & News Updates

The Atlas welcomes two new university herbaria data providers.

ALA Educational Resources for primary school classes.

COMING SOON: New Phylogenetic 'Tree of Life' Tools

Connect with us







Home → Locations → Your Area

Explore Your Area

Enter your location or address:

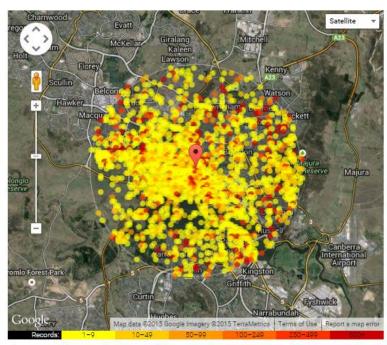
clunies ross street acton act Search

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

Showing records for Christian Road, Acton ACT 2601, Australia

Display records in a 5 ▼ km radius ■ View all records ● Downloads

Group	Species		Species : Common Name	Records	
All Species	6720	1.	ARCTIINAE	1	
Animals	2067	2.	Abelia x grandiflora	1	
Mammals	33	3.	Abelmoschus ficulneus: Native Rosella	1	
Birds	373	4.	Abelmoschus moschatus subsp. tuberosus: Native Rosella	2	
Reptiles	31	5.	Abutilon theophrasti: Chigma Lantern	1	
Amphibians	9	6.	Acacia acinacea: Gold-dust Acacia	4	
Fish	1	7.	Acacia acuminata : Jam Wattle	2	
Molluscs	6	8.	Acacia adsurgens: Whipstick Wattle	1	
Arthropods	1611	9.	Acacia adunca : Cascade Wattle	6	
Crustaceans	1	10.	Acacia aestivalis	1	
Insects	1555	11.	Acacia alcockii: Alcock's Wattle	1	
Plants	4113	12.	Acacia amblyophylla	1	
Bryophytes	50	13.	Acacia amoena : Boomerang Wattle	1	
Gymnosperms	39	14.	Acacia ampliceps : Jila Jila Bush	1	
FernsAndAllies	106	15.	Acacia anceps	1	
Angiosperms	3817	16.	Acacia andrewsii	1	
Monocots	758	17.	Acacia aneura var. microcarpa: Mulga	1	
Dicots	3059	18.	Acacia aneura: Mulga	1	
Fungi	169	19.	Acacia anthochaera : Kimberly's Wattle	1	
Chromista	2	20.	Acacia aphylla: Leafless Rock Wattle	1	
Protozoa	24	21.	Acacia argyrophylla: Silver Mulga	1	
Bacteria	0	22.	Acacia ashbyae	1	
Algae	0	23.	Acacia aspera subsp. aspera	2	



Tips: you can fine-tune the location of the area by dragging the red marker icon

Data integration

Home → Locations → Your Area

Explore Your Area

Enter your location or address:

clunies ross street acton act Search

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

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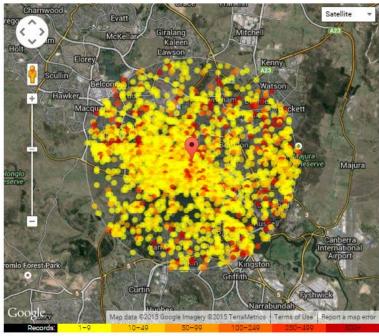
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User settings *

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DigiVol Portal

Dashboard

Home → Locations → Your Area

Explore Your Area

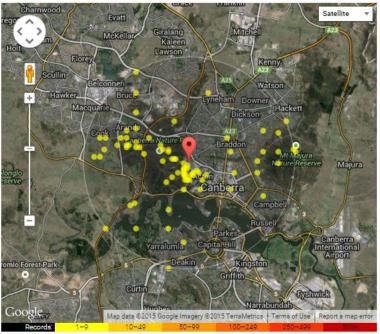
Enter your location or address:

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

Showing records for: Christian Road, Acton ACT 2601, Australia

Group	Species	Species : Common Name	Records
All Species	6720	1. Amphibolurus muricatus: Jacky Lizard	5 🔺
Animals	2067	2. Austrelaps superbus: Lowland Copperhead	1
Mammals	33	3. Chelodina (Chelodina) longicollis: Eastern Snake-necked Turtle	3
Birds	979	4. Christinus marmoratus: Marbled Gecko	8
Reptiles	31	5. Cryptoblepharus pulcher: Elegant Snake-eyed Skink	1
Amphibians	9	6. Ctenotus robustus: Robust Ctenotus	1
Fish	1	7. Delma impar: Striped Legless Lizard	1
Molluscs	6	8. Delma inornata: Patternless Delma	2
Arthropods	1611	9. Diplodactylus vittatus: Eastern Stone Gecko	2
Crustaceans	1	10. Egernia cunninghami: Cunningham's Skink	1
Insects	1555	11. Eulamprus quoyii: Eastern Water-skink	2
Plants	4113	12. Hemiergis decresiensis: Three-toed Earless Skink	1
Bryophytes	50	13. Intellagama lesueurii howitti	3
Gymnosperms	39	14. Intellagama lesueurii lesueurii: Water Dragon	2
FernsAndAllies	106	15. Intellagama lesueurii: Eastern Water Dragon	40
Angiosperms	3817	16. Lampropholis delicata: Dark-flecked Garden Sunskink	29
Monocots	758	17. Lampropholis guichenoti: Pale-flecked Garden Sunskink	2
Dicots	3059	18. Morethia boulengeri: Boulenger's Snake-eyed Skink	7
Fungi	169	19. Notechis scutatus: Tiger Snake	1
Chromista	2	20. Parasuta dwyeri: Dwyer's Snake	2
Protozoa	24	21. Pogona barbata: Eastern Bearded Dragon	25
Bacteria	0	22. Pseudechis porphyriacus: Red-bellied Black Snake	13
Algae	0	23. Pseudemoia entrecasteauxii: Southern Grass Skink	2 *



Tips: you can fine-tune the location of the area by dragging the red marker icon

The Atlas of Living Australia is a collaborative, national project that

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Atlas Features →

Dashboard

Atlas Data →
Sensitive Data

Data integration

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Explore Your Area

Enter your location or address:

Protozoa

Bacteria

Algae

clunies ross street acton act Search

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

Showing records for: **Christian Road, Acton ACT 2601, Australia**Display records in a ■ View selected records ■ View selected records

0

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All Species	6720	8. Delma inornata: Patternless Delma	2	-
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Dicots	3059	🕞 species profile 🕞 list of records		-1
Fungi	169	25. Ramphotyphilops nigrescens . Blackish Blind Snake	3	
Chromista	2	26. Saproscincus mustelinus: Weasel Skink	1	

27. Tiliqua scincoides scincoides: Common Blue-tonque

29. Tympanocryptis pinguicolla: Grassland Earless Dragon

28. Tiliqua scincoides: Eastern Blue-tongue

Downloads



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Explore Your Area

Enter your location or address:

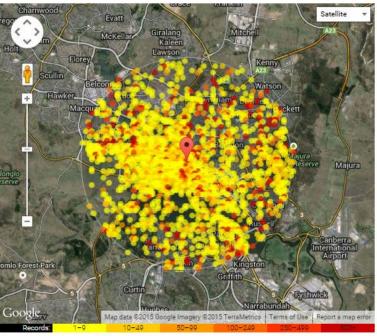
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Algae	0	23.	Acacia aspera subsp. aspera	2	



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DigiVol Portal

Dashboard

Data integration

Species: Vittadinia gracilia I Woolly New Holland Daiey, Date: 2014-12-29 State: Australian Capital Tarritons

Janet Russell (56)

John La Salle (40)

View record

Occurrence records

Customise filters *

 Taxonomic Geospatial

Uncertainty (in metres)

Narrow your results

less than 100 (479.855) between 100 and 500 (48.722).

 between 500 and 1000 (26.414) between 1000 and 5000 (4.833)

choose more.. Sensitive

Generalised (14)

no choose more

State conservation

Endangered (2,442)

Location ID

1 (61)

10 (538) 100 (615)

105 (3,817)

choose more...

Local Gov. Area

Unincorporated ACT (670,853)

choose more...

State/Territory

Australian Capital Territory (674,260)

choose more..

Country

Australia (674.260)

choose more...

IBRA

South Eastern Highlands (674,231)

choose more..

IMCRA

n/a (24,791)

choose more.

Dynamic land cover

 Primarily Vegetated Natural & Semi-Natural Terrestrial Vegetation Woody Trees Open

674,263 results for [all records] - within 5.0 km of point(-35.27145,149.11092)

Selected filters: Spatial filter: CIRCLE x

Charts

Мар

Records

Downloads

View record

Alerts Species: Juncus planifolius | Broad Leaved Rush Date: 2011-02-01 State: Australian Capital Territory

Institution: Centre For Australian National Biodiversity Research Collection: Australian National Herbarium Basis Of Record: Preserved Specimen Catalog Number: CANB:CANB 873558.1 View record

Record images

Species: Isolepis sepulcralis Date: 2011-02-01 State: Australian Capital Territory Institution: Centre For Australian National Biodiversity Research Collection: Australian National Herbarium Basis Of Record: Preserved Specimen Catalog Number: CANB:CANB 873559.1

Species: Eragrostis brownii | Brown love grass Date: 2011-02-01 State: Australian Capital Territory

Institution: Centre For Australian National Biodiversity Research Collection: Australian National Herbarium Basis Of Record: Preserved Specimen Catalog Number: CANB:CANB 873560.1 View record

Species: Cyperus sanguinolentus | Flat-sedge Date: 2011-02-01 State: Australian Capital Territory

Institution: Centre For Australian National Biodiversity Research Collection: Australian National Herbarium Basis Of Record: Preserved Specimen Catalog Number: CANB; CANB 873561.1

Advanced search Quick search

▼ order: Descending ▼

per page: 20 ▼ sort: Date added

Species: Leptospermum continentale | Prickly Teatree Date: 2014-11-21 State: Australian Capital Territory

Institution: Centre For Australian National Biodiversity Research Collection: Australian National Herbarium Basis Of Record: Preserved Specimen Catalog Number: CANB:CANB 878594.1

Species: Leptospermum brevipes | Slender Tea Tree Date: 2014-11-21 State: Australian Capital Territory

Institution: Centre For Australian National Biodiversity Research Collection: Australian National Herbarium Basis Of Record: Preserved Specimen Catalog Number: CANB:CANB 878595.1 View record

Species: Festuca arundinacea | Giant Fescue Date: 2014-11-26 State: Australian Capital Territory

Institution: Centre For Australian National Biodiversity Research Collection: Australian National Herbarium Basis Of Record: Preserved Specimen Catalog Number: CANB:CANB 878600.1 View record

Species: Haloragis heterophylla | Variable raspwort" Date: 2014-11-26 State: Australian Capital Territory

Institution: Centre For Australian National Biodiversity Research Collection: Australian National Herbarium Basis Of Record: Preserved Specimen Catalog Number: CANB:CANB 878609.1

Species: Chrysocephalum semipapposum | Clustered Everlasting Date: 2014-11-26 State: Australian Capital Territory

Institution: Centre For Australian National Biodiversity Research Collection: Australian National Herbarium Basis Of Record: Preserved Specimen Catalog Number: CANB:CANB 878614.1 View record

Species: Oxalis latifolia | Fishtail Oxalis Date: 2014-12-12 State: Australian Capital Territory

Institution: Centre For Australian National Biodiversity Research Collection: Australian National Herbarium Basis Of Record: Preserved Specimen Catalog Number: CANB:CANB 878637.1 View record

Species: Cynosurus echinatus | Rough Dog's Tail Date: 2014-12-28 State: Australian Capital Territory

Institution: Centre For Australian National Biodiversity Research Collection: Australian National Herbarium Basis Of Record: Preserved Specimen Catalog Number: CANB:CANB 878655.1 View record

Species: Vittadinia muelleri | Narrow Leaf New Holland Daisy Date: 2014-12-28 State: Australian Capital Territory

Institution: Centre For Australian National Biodiversity Research Collection: Australian National Herbarium Basis Of Record: Preserved Specimen Catalog Number: CANB:CANB 878656.1 View record

Species: Vittadinia gracilis I Woolly New Holland Daisy Date: 2014-12-28 State: Australian Capital Territory

Occurrence records

State conservation: Endangered

Customise filters ▼

Narrow your results Selected filters

Caladenia actensis (24)

Common name (processed)

□ Brown Treecreeper (65)

Button Wrinklewort (98)

Caladenia actensis (24)

□ ACCIPITRIDAE (339)

AGAMIDAE (1) Asteraceae (98)

Brassicaceae (1)

Angiosperms (142)

Animals (2.300)

Arthropods (22)

Birds (2.275)

choose more..

choose more..

Lifeform

Canberra Spider Orchid (24)

Taxonomic

Scientific name

Bindjulang (1)

choose more.

choose more...

choose more.

Family

Species

Subspecies

2,442 results for [all records] - within 5.0 km of point(-35.27145,149.11092) State conservation: Endangered * Spatial filter: CIRCLE * Мар Charts Records Record images La Downloads Alerts per page: 20 ▼ sort: Date added ▼ order: Descending ▼ Species: Polytelis swainsonii | Superb Parrot | Date: 2014-11-26 State: Australian Capital Territory Data Resource: Eremaea EBird Basis Of Record: Human Observation Catalog Number: URN:CornellLabOfOrnithology:EBIRD:OBS282562123 View record Species: Polytelis swainsonii | Superb Parrot Date: 2014-11-30 State: Australian Capital Territory Anthochaera (Xanthomyza) phrygia (25) Data Resource: Eremaea EBird Basis Of Record: Human Observation Catalog Number: URN:CornellLabOfOrnithology:EBIRD:OBS283246453 Species: Polytelis swainsonii | Superb Parrot | Date: 2013-08-31 State: Australian Capital Territory Climacteris (Climacteris) picumnus picumnus Data Resource: Eremaea EBird Basis Of Record: Human Observation Catalog Number: URN:CornellLabOfOrnithology:EBIRD:OBS231225542 Species: Polytelis swainsonii | Superb Parrot | Date: 2013-08-24 State: Australian Capital Territory Data Resource: Eremaea EBird Basis Of Record: Human Observation Catalog Number: URN:CornellLabOfOrnithology:EBIRD:OBS231204446 Species: Polytelis swainsonii | Superb Parrot | Date: 2013-09-08 State: Australian Capital Territory Data Resource: Eremaea EBird Basis Of Record: Human Observation Catalog Number: URN:CornellLabOfOrnithology:EBIRD:OBS231238733 Species: Polytelis swainsonii | Superb Parrot Date: 2013-09-07 State: Australian Capital Territory Data Resource: Eremaea EBird Basis Of Record: Human Observation Catalog Number: URN:CornellLabOfOrnithology:EBIRD:OBS231243988 Species: Polytelis swainsonii | Superb Parrot | Date: 2013-09-05 State: Australian Capital Territory Data Resource: Eremaea EBird Basis Of Record: Human Observation Catalog Number: URN:CornellLabOfOrnithology:EBIRD:OBS231259076 Climacteris (Climacteris) picumnus picumnus Species: Polytelis swainsonii | Superb Parrot | Date: 2013-09-05 State: Australian Capital Territory Data Resource: Eremaea EBird Basis Of Record: Human Observation Catalog Number: URN:CornellLabOfOrnithology:EBIRD:OBS231259466 Species: Polytelis swainsonii | Superb Parrot | Date: 2013-11-09 State: Australian Capital Territory Anthochaera (Xanthomyza) phrygia (25) Data Resource: Eremaea EBird Basis Of Record: Human Observation Catalog Number: URN:CornellLabOfOrnithology:EBIRD:OBS217022657 Species: Polytelis swainsonii | Superb Parrot | Date: 2014-01-04 State: Australian Capital Territory Climacteris (Climacteris) picumnus (65) Data Resource: Eremaea EBird Basis Of Record: Human Observation Catalog Number: URN:CornellLabOfOrnithology:EBIRD:OBS224007288 Daphoenositta (Neositta) chrysoptera (736) Species: Polytelis swainsonii | Superb Parrot | Date: 2013-06-28 State: Australian Capital Territory Data Resource: Eremaea EBird Basis Of Record: Human Observation Catalog Number: URN:CornellLabOfOrnithology:EBIRD:OBS223919683 Species: Polytelis swainsonii | Superb Parrot | Date: 2013-12-14 State: Australian Capital Territory Data Resource: Eremaea EBird Basis Of Record: Human Observation Catalog Number: URN:CornellLabOfOrnithology:EBIRD:OBS223919774 Species: Hieraaetus (Hieraaetus) morphnoides | Little Eagle Date: 2013-10-06 State: Australian Capital Territory Data Resource: Eremaea EBird Basis Of Record: Human Observation Catalog Number: URN:CornellLabOfOrnithology:EBIRD:OBS223920719 Species: Polytelis swainsonii | Superb Parrot | Date: 2013-01-07 State: Australian Capital Territory Data Resource: Eremaea EBird Basis Of Record: Human Observation Catalog Number: URN:CornellLabOfOrnithology:EBIRD:OBS223926466 Species: Polytelis swainsonii | Superb Parrot | Date: 2013-09-07 State: Australian Capital Territory

Data Resource: Eremaea EBird Basis Of Record: Human Observation Catalog Number: URN:CornellLabOfOrnithology:EBIRD:OBS223926510

Data Resource: Eremaea EBird Basis Of Record: Human Observation Catalog Number: URN:CornellLabOfOrnithology:EBIRD:OBS223928034

Species: Polytelis swainsonii | Superb Parrot | Date: 2013-12-06 State: Australian Capital Territory

Species: Polytelis swainsonii | Superb Parrot | Date: 2013-12-16 State: Australian Capital Territory

Advanced search Quick search

Species habitats cache.ala.org.au/occurrences/search?g=*%3A*&lat=-35,271458 on=149.1109... Fremaca EBird, Basis Of Record: Human Observation, Catalog Number: LIRN: Cornell abOfOrnithology: EBIRD: OBS221804015... View record

Explore by pre-defined region



Pre-defined regions include states and territories, local government areas, biogeographic regions, marine regions, management regions and more. Explore regions

Explore by address or location



Simply enter an address or location to find the recorded species nearby. You can set the size of the search area and download the results.

Explore your area

Sharing biodiversity knowledge

Contributed by Australia's academic, scientific, environmental communities and you.

Get involved

Blog & News Updates

The Atlas welcomes two new university herbaria data providers.

ALA Educational Resources for primary school classes.

COMING SOON: New Phylogenetic 'Tree of Life' Tools

Connect with us







Species

Locations

Collections

Mapping & analysis

Data sets

Blogs

Get involved

About the Atlas

Home: Locations: Regions

Select a region to explore

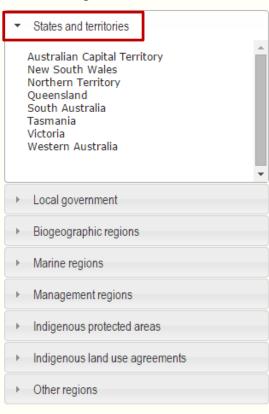
Select the type of region on the left. Click a name or click on the map to select a region. Use map controls or shift-drag with your mouse to zoom the map. Click the region link to explore occurrence records, images and documents associated with the region.

Click on a region name to select an area.

N/A

Reset map

feedback





Select a region to explore

Select the type of region on the left. Click a name or click on the map to select a region. Use map controls or shift-drag with your mouse to zoom the map. Click the region link to explore occurrence records, images and documents associated with the region.

Click on a region name to select an area.

Click on the map to select an area.

Reset map





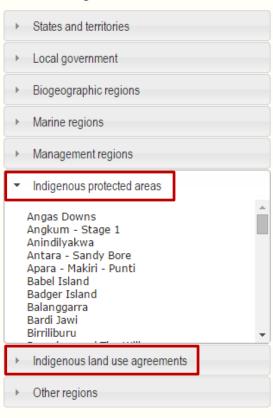
Select a region to explore

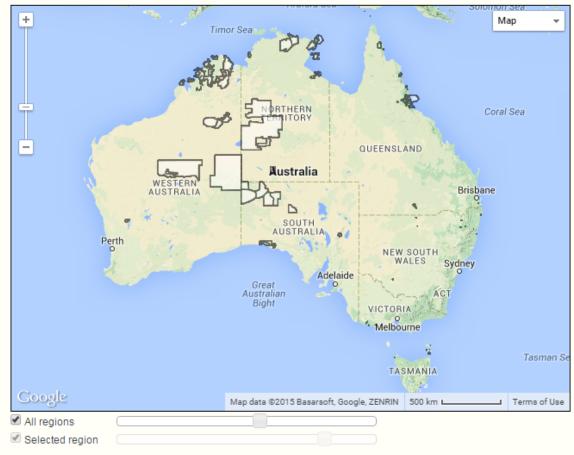
Select the type of region on the left. Click a name or click on the map to select a region. Use map controls or shift-drag with your mouse to zoom the map. Click the region link to explore occurrence records, images and documents associated with the region.

Click on a region name to select an area.

Click on the map to select an area.

Reset map





Species

Locations

Collections

Mapping & analysis

Data sets

Blogs

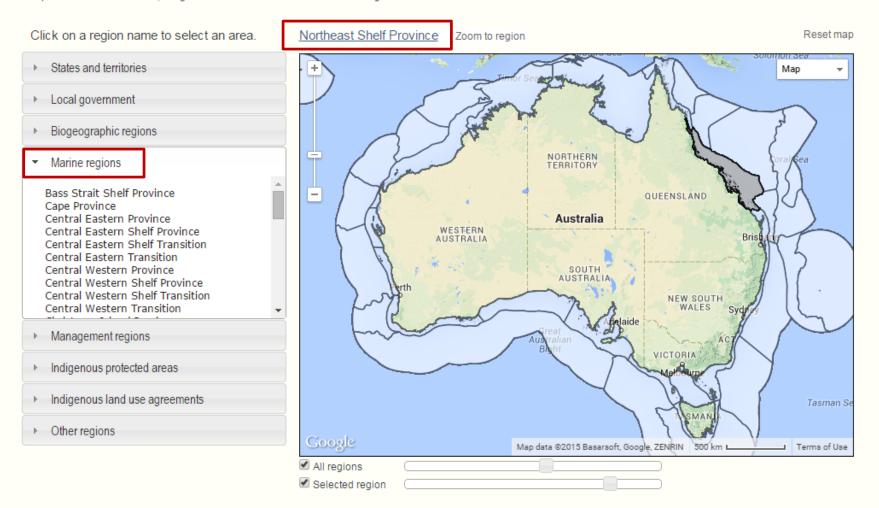
Get involved

About the Atlas

Home: Locations: Regions

Select a region to explore

Select the type of region on the left. Click a name or click on the map to select a region. Use map controls or shift-drag with your mouse to zoom the map. Click the region link to explore occurrence records, images and documents associated with the region.



Locations Collections Mapping & analysis

Data sets

Blogs

Get involved

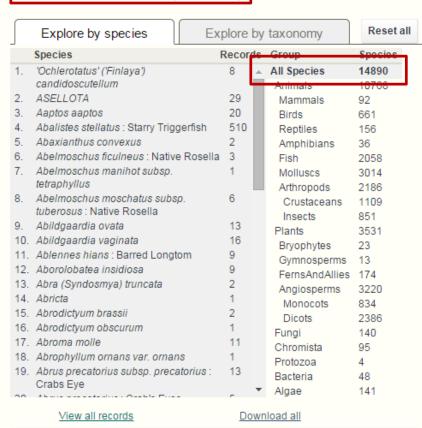
About the Atlas

Home: Locations: Regions: Northeast Shelf Province

Species

Northeast Shelf Province

Occurrence records (472,272)



Explore by date Drag handles to restrict date or play by decade. 1850 2010 1880 1920 1940 2000 1860 1900 1960 1980



View all



Search for Australian flora and fauna species by common, scientific name or search by category.

Browse species



Search by pre-defined region, or enter an address or location to find the recorded species nearby.

Browse locations



Learn about the institution, the collections they hold and view records of specimens that have been databased.

Browse collections

academic, scientific, environmental communities and you.

Get involved

Mapping & analysis



View all

A spatial portal for investigating species occurrences within specified locations and the environmental impacts.

Browse mapping

Data sets



View all

Refine the list of all the data sets contained within the Atlas by institution, integration status, content, resource, and license.

Browse data sets

Partner Profiles



View all

View our partner profiles and see how our key contributors help grow the Atlas of Living Australia.

Browse profiles

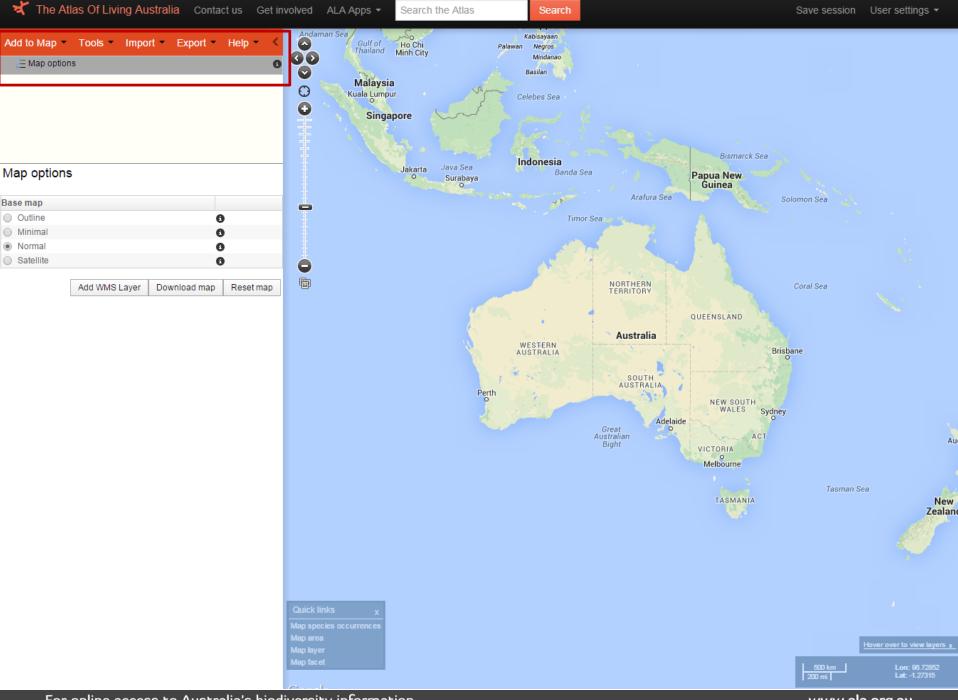
Blog & News Updates

The Atlas welcomes two new university herbaria data providers.

ALA Educational Resources for primary school classes.

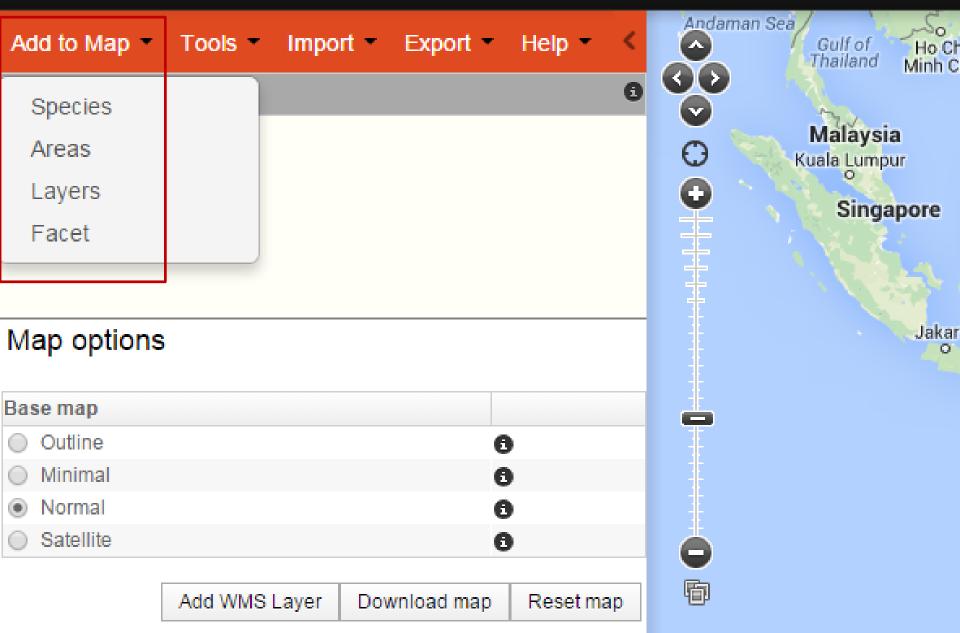
COMING SOON: New Phylogenetic 'Tree of Life' Tools

Connect with us



Sear

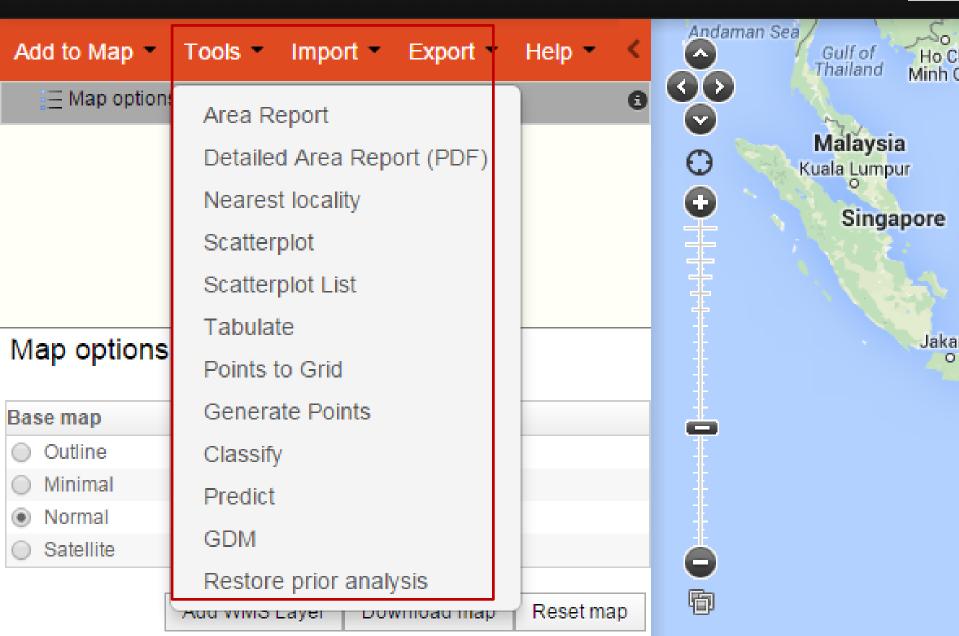




Sea

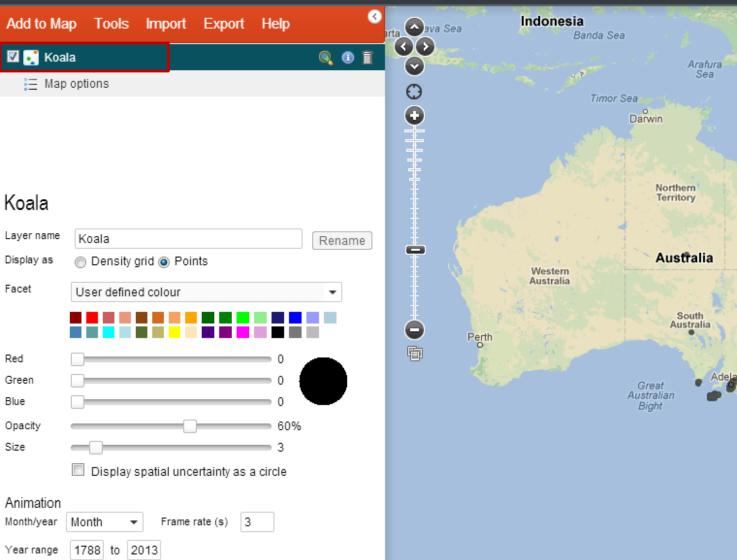
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Jaka

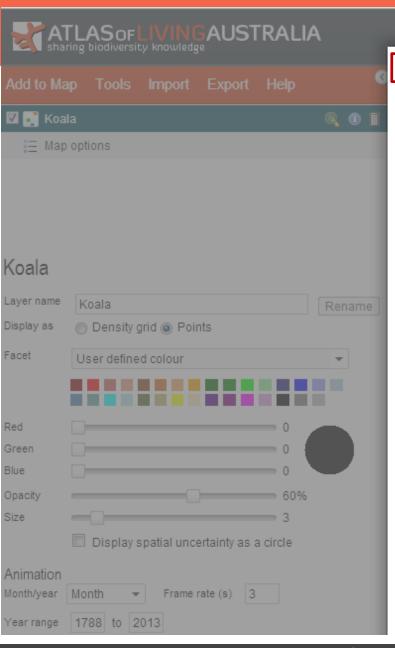




ATLAS OF LIVING AUSTRALIA sharing biodiversity knowledge







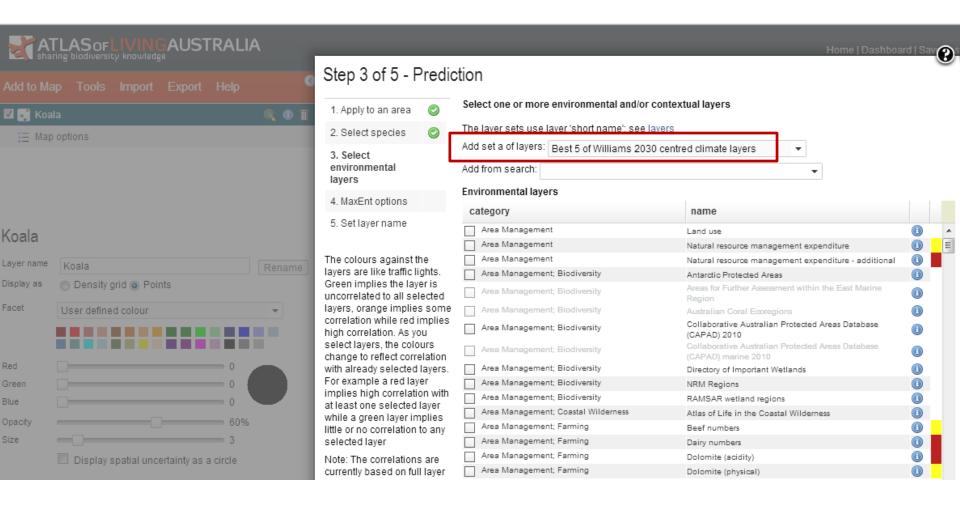
Step 1 of 5 - Prediction

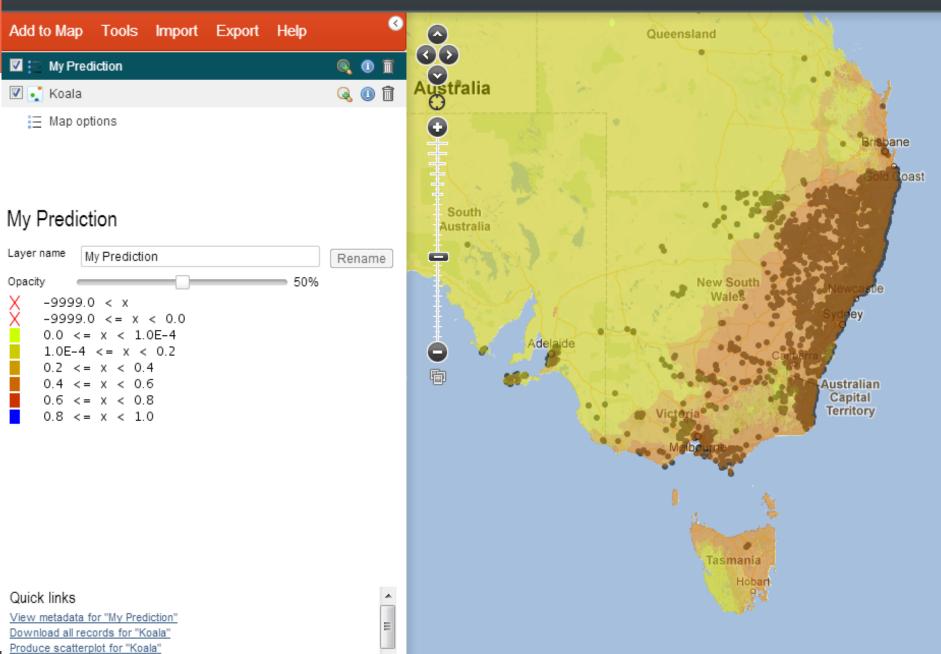
- 1. Apply to an area
- 2. Select species
- 3. Select environmental layers
- 4. MaxEnt options
- 5. Set layer name

Apply to an area

- Current extent
- Australia
- World
- Define new area







Kakadu

National Park

Nitmiluk

National Park

•

6

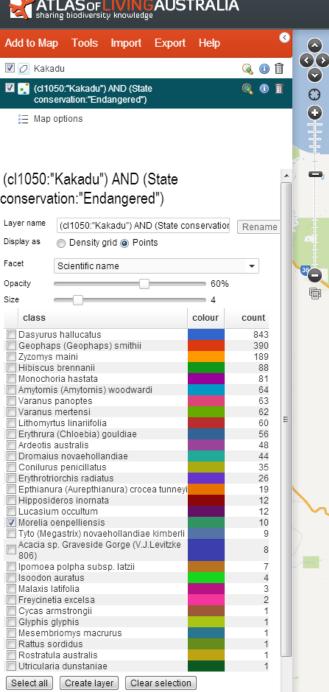
Mary River

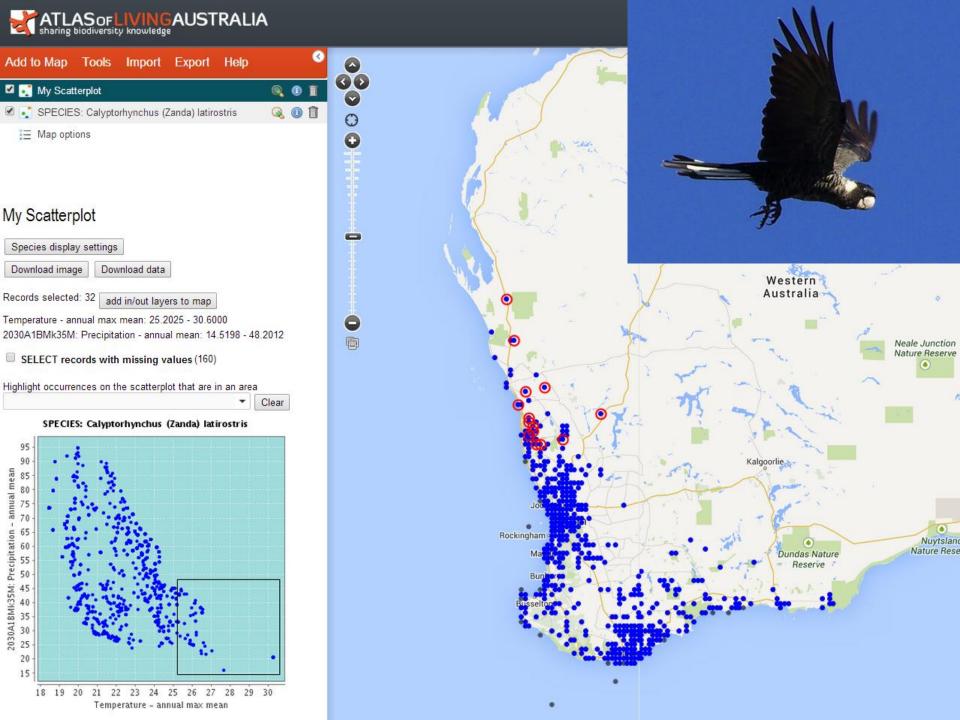
National Park

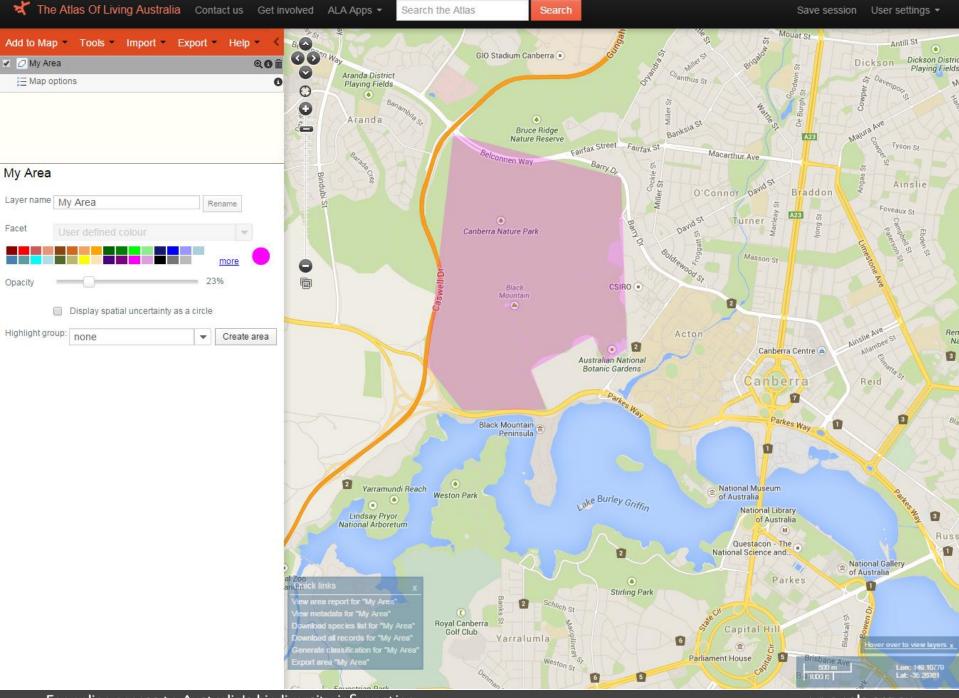
Umbrawarra

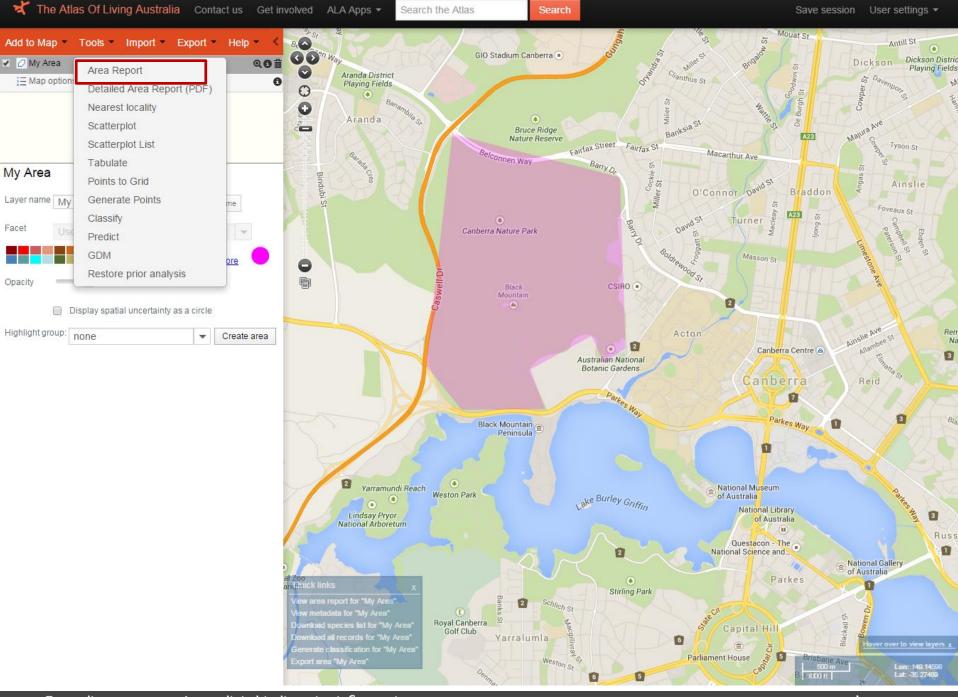
Gorge

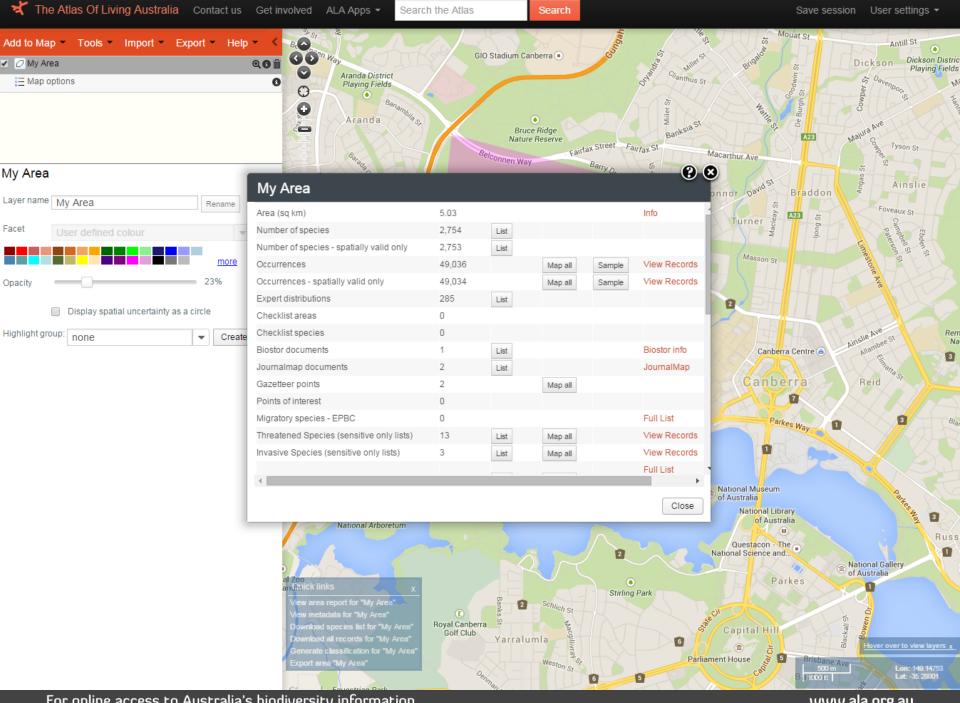
Nature Park

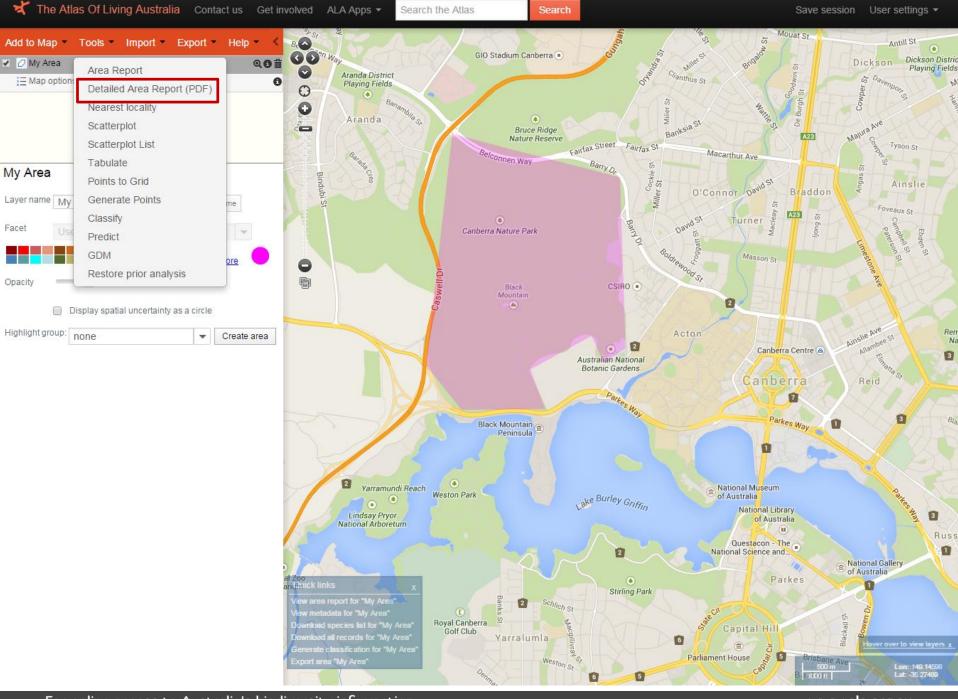














AREA REPORT

www.ala.org.au

Area: 5.03 sq km Species: 2754 Occurrences: 49036

Endemic species: 56 All threatened species: 13

Migratory species: 0

All invasive species: 3

Iconic species: 39 JournalMap Articles: 2

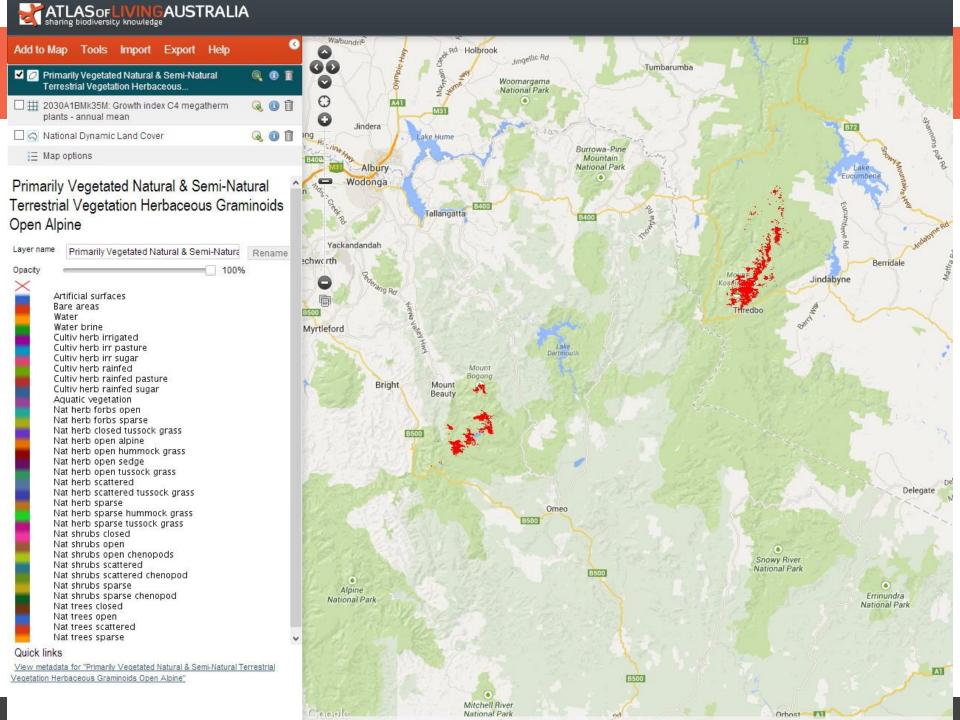
Animals: 873

Plants: 1647

Birds: 191

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Ecosystems Services

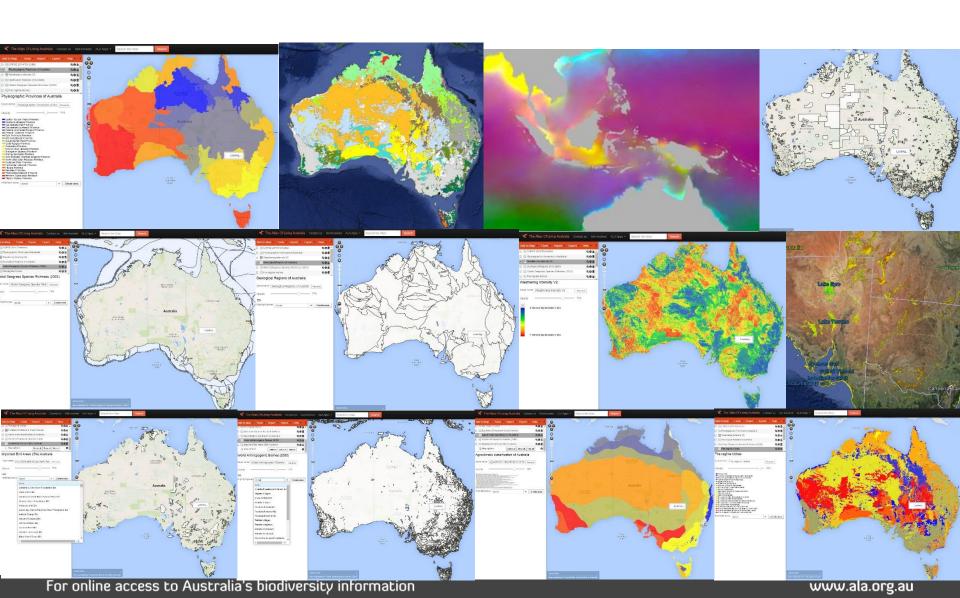


Costanza (2014)

Costanza et al 2012	1997 Area (e6 ha)	2011 Area (e6 ha)	Total Value per ha	Total Value per ha 2007\$/ha/yr	Ratios	Assuming 1997 area and 1997 unit values e12	Assuming 2011 area and 2011 unit values \$/yr
	1997	2011	1997	2011	2011/1997	1997	2011
Open Ocean	33,200	33,200	348	660	1.89	11.6	21.9
Coastal	3,102	3,102	5,592			17.3	27.7
Estuaries	180	180	31,509	28,916	1.00	5.7	5.2
Seagrass/Algae Beds	200	234	26,226		1	5.2	6.8
Coral Reefs	62	28	8,384	•	42	0.5	9.9
Shelf	2,660	2,660	2,222	·	1	5.9	5.9
Marine TOTAL	36,302	36,302	, 796	1,368	1.72	28.9	49.7
Faucat	4.055	4.261	4 220	2 000	2.04	6.5	16.2
Forest	4,855 1,900	4,261	1,338 2,769	3,800	2.84 1.94	6.5 5.3	16.2 6.8
Tropical Temperate/Boreal	2,955	1,258 3,003	2,769		7.52	3.3 1.2	9.4
Grass/Rangelands	2,933 3,898	4,418	321	-,	12.99	1.2	18.4
Wetlands	330	188	20,404	-,	6.87	6.7	26.4
Tidal Marsh/Mangroves	165	128	13,786	-	14.06	2.3	24.8
Swamps/Floodplains	165	60	27,021	•	0.95	4.5	1.5
Lakes/Rivers	200	200	11,727		1.07	2.3	2.5
Desert	1,925	2,159	11,727	12,512	1.07	2.3	2.0
Tundra	743	433					
Ice/Rock	1,640	1,640					
Cropland	1,400	1,672	126	5,567	44.04	0.2	9.3
Urban	332	352		6,661			2.3
Terrestrial TOTAL	15,323	15,323	1,109	4,901	4.42	17.0	75.1
TOTAL	51,625	51,625	1,906	6,269		98.4	323.6

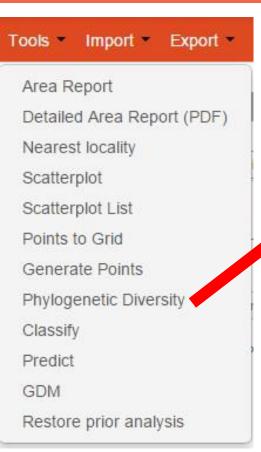


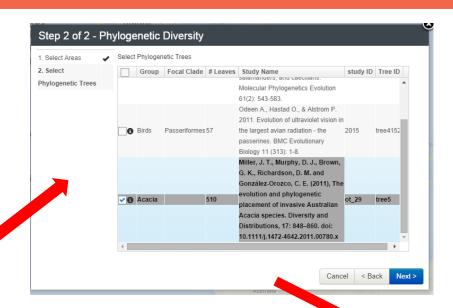
100+ New Environmental Layers











ALA Home

Portals Listing

Portal Coverage Areas

Sign In

This is a listing of client implementations of the ALA FieldData software. If you are interested in having a site for your own community, please contact support_bdrs@ala.org.au.

Goto Test Portals

FIELD DATA PORTALS

ACT & Southern Tablelands Weedspotter Portal ACT BioBlitz

Atlas of Life in the Coastal Wilderness

Australasian Bat Echolocation Database

Australian Coastal Ecosystem Facility

BioSPACE

Canberra Ornithologists Group

Condamine Alliance

Conservation Volunteers Australia

Cape York Peninsula Biodiversity

CCSA Feral or in Peril

CCSA Intertidal

CSIRO Yellow Box Fragmentation Project

Discovery Circle - Uni SA Citizen Science

GER - Border Ranges

GER - K2C Species

GER - Hunter Valley

GER - Slopes 2 Summit

GER - Southern Highlands

OLIV Godinem riiginamas

Great koala counts - SA and National Parks

Association of NSW

Mangroves as part of Mangrove Watch

Natural Resources Adelaide and Mt Lofty Ranges

Natural Resources Eyre Peninsula

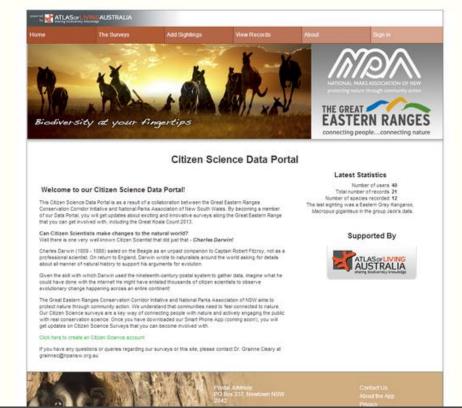
Natural Resources SA Murray-Darling Basin

Natural Resources South East

NSW Bird Atlassers

Northern Gulf Resource Management Group NPA NSW and Birdlife Australia - Bathing Birds

THE STATE OF THE S



Welcome to the national site for recording the distribution of weed biological control agents

This web site aims to centralise information on the known distribution, availability and redistribution methods of weed biological control agents in south eastern Australia. This will help to enhance community knowledge and adoption of biological control and enable its benefits to be enjoyed by more people and its impacts to be better understood.

The project is funded by the Federal Government. through Caring for our Country and by States through Department of Primary Industries (Victoria), the NSW Department of Primary Industries, the Tasmanian Institute of Agriculture and the South Australian Research and Development Institute. The Atlas of Living Australia is a key partner, as the developer and host of this website.

- What is Biological Control?
- · How can I get involved?

Your feedback is important and valued.

Send Feedback

Register

Create your personal account here.

Find

Keep an eye out for evidence of insect or rust damage on target weeds. If you see any evidence or the bugs themselves take a photo.

Record

Sign-in to this system and record it.

What else can I do?

Visit the "FIELD GUIDE" to browse list of weed species targeted for biological control and the biological control agents released to control them.

Review your contributions and discover what other people have found too.

Please Note:

This site may perform better in some browsers than in others. If you are having problems viewing it in your current browser, please try it in a different browser. If problems persist, please send feedback.

Look for the evidence Then record it!



Latest Statistics

Number of users 77 Total number of records 2318 Number of species recorded 39 The last sighting was a spear thistle gall fly, Urophora stylata





















Target weeds and their bio-control agents

Search within groups:

Search

Click on the group name or thumbnail below to get a list of species for that group.



Spear thistle



Paterson's curse & Viper's bugloss



Ragwort



Horehound



Variegated thistle



English broom



Bridal creeper



Blue heliotrope



Docks



St John's wort & Tutsan



Nodding thistle & Slender thistles



Scotch thistle, Illyrian thistle, stemless thistle



Gorse



Cape broom



Boneseed



Madeira vine

Blackberry





FIELD GUIDE

Paterson's curse & Viper's bugloss

Search within result:

To view more detailed information for a species, please click on either the name or thumbnail of the species you want to view.

To record a sighting of a species click on the Record Now button in the row for the species you'd like to record.

Common Name *	Scientific Name	
_Paterson's Curse	Echium plantagineum	
Paterson's curse crown weevil	Moguiones iarvatus	Record Now
Paterson's curse (Echium) Leaf miner	Dialectica scalariella	Record Now
Paterson's curse flea beetle	Longitarsus echii	Record Now
Paterson's curse pollen beetle	Meligethes planiusculus	Record Now
Paterson's curse root weevil	Mogulones geographicus	Record Now

www.a	12 O	ra	211
www.a	u.u	ıe.	au









HOME

FIELD GUIDE

ADD RECORDS

VIEW RECORDS

RESOURCES

CONTACT US

HELP

SIGN IN

NSW WaterWatch - Communities Caring for Catchments

NSW Waterwatch is a school and community based water quality monitoring program, which promotes environmental awareness and action through involvement. Primary schools, high schools, community groups, landholders and other community volunteers can participate in the Waterwatch program. The data they collect is used as an indicator of total catchment health

- Increasing awareness about their catchment area or local waterway
- · Increasing their skills and experience
- Assessing the current condition of their local waterway
- Establishment of baseline water quality data for the waterway
- Property planning for landholders in managing water quality
- Monitor the effectiveness of on-ground works and management
- Assess aquatic biodiversity and ecosystem health

This text is the default text on the home page. In order to change it, your Administrator can log into the system and change it by going to the Admin> Edit Content menu.

How can I get involved?

What can you do in this site?

Identify a species

Click on "FIELD GUIDE" to read about species that you may find in your surveys.

Send your survey data

Click on "ADD RECORDS" to send us the results of your surveys.

Note that you have to be registered and logged in to be able to submit records. The registration process is simple, so have a qo.

See your own records and what other people have submitted

Click on "VIEW RECORDS" to browse through the records that you and others have already submitted.

Communities monitoring catchment health

Latest Statistics

Number of users: 771
Total number of records: 28026
Number of species recorded: 32

Supported By



Terms of Use | 2012 © NSW Waterwatch



Monitoring, Evaluation, Reporting and Improvement Tool (MERIT)

The online monitoring, evaluation, reporting and improvement tool (MERIT) is now available for grant recipients to start reporting. MERIT has been developed for the project and programme reporting requirements of Australian Government NRM programmes. MERIT allows grant recipients to record and upload data about the progress of their projects on a continual basis and to submit reports online. It will also increase information sharing within NRM communities and the broader public.

Developed in collaboration with the Atlas of Living Australia, MERIT will enhance the reporting process by allowing simpler yet more complete project records and showing direct links between project activities and contributions to Australia's biodiversity conservation work.

ANNOUNCEMENTS

- MERIT users guides are now available at http://www.nrm.gov.au/funding/merit/user-guides.html. Please check the guides and FAQ's for information on how to use MERIT.
- For important information regarding the upload of shape files and for new features and fixes that were deployed on 17/6/14 see 'About' for details.
- A new sample project has been added to assist users in interpreting activity types and communicating their project to the public. View the sample project (opens in a new tab)

Filter results

Organisation

- East Gippsland CMA (14)
- Fitzroy Basin Association Inc. (12)
- South Coast NRM (10)
- Corangamite Catchment Management Authority (10)
- REEF CATCHMENTS (MACKAY WHITSUNDAY ISAAC) Limited (8)
- choose more...

Program

- Caring for Our Country 2 (428)
- Biodiversity Fund (349)
- Cumberland Plain (6)
- Environmental Stewardship (2)
- Green Army (1)

Sub Program

- Round 1 (313)
- Regional Delivery 1318 (309)
- Community Environment Grants 1314 (69)
- Reef Rescue 2013/14 (27)
- Target Area Grants 2013/14 (22)
- choose more...

Reporting Theme

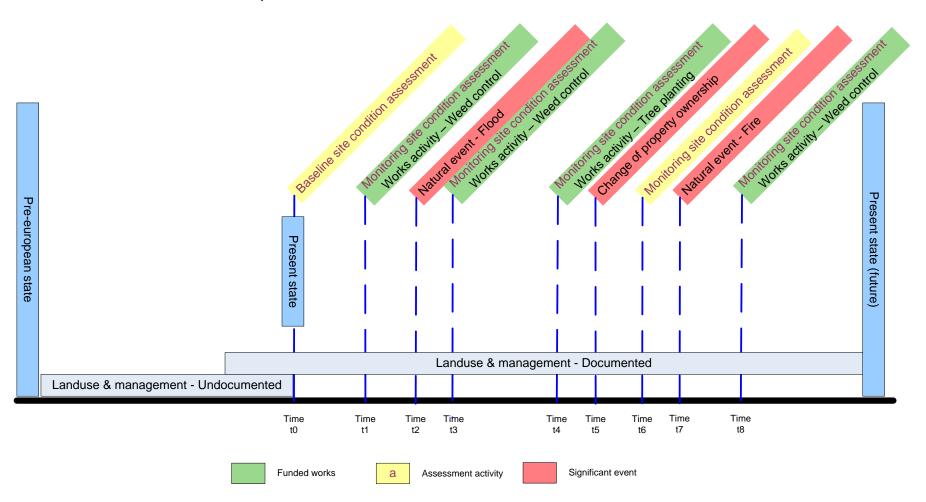
- Protecting and enhancing existing native vegetation (250)
- Managing invasive species in a connected landscape (230)
- Biodiverse plantings (198)
- · Building natural resource management community skills, knowledge and engagement (136)
- · Conserving and protecting species and ecosystems (matters of national





Monitoring - State of the Environment

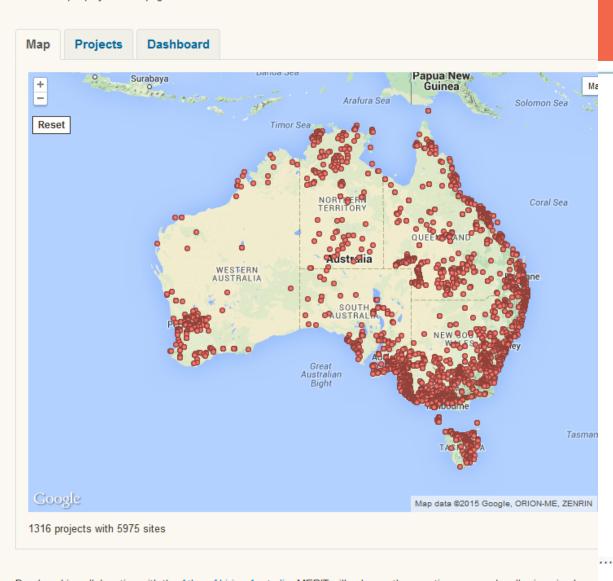
Example Timeline for Interpretation of Relationships between Site condition, Intervention activities, & Landuse.



- A list of all of the output targets applicable across all of the activity types
- A sample MERI Plan with guidance to help you complete the template

To fully explore this project, log in to MERIT using the credentials noted on the sample project homepage.





Developed in collaboration with the Atlas of Living Australia, MERIT will enhance the reporting process by allowing simpler ye complete project records and showing direct links between project activities and contributions to Australia's biodiversity cons

MERIT Objectives

search

John La Salle

My projects ▼

Administration

(U Logout

Home / Projects / Newcastle Riparian-Ramsar Connections

Newcastle Riparian-Ramsar Connections

Overview

Plans & Reports

Sites

Dashboard

Admin

Recipient: WETLANDCARE AUSTRALIA PTY LTD

Programme: Caring for Our Country 2 Target Area Grants - Expression of Interest 2013/14

Approved funding (GST inclusive): \$1,665,323.00

Project start: 01-07-2013 Project finish: 30-06-2017

Grant Id: X0000004443G External ld: TAGEOI14P2-00238 "Home" Project page public view

own news

NEWCASTLE RIPARIAN-RAMSAR CONNECTIONS improves the condition, function, resilience & biodiversity of a highly modified aquatic corridor from the top of Boatman Creek via SEPP 14 freshwater wetlands to the Ramsar-listed Hunter Wetlands Centre. On-ground works stabilise erosion, remove sediment, control sediment & nutrient inputs, treat weeds & install native vegetation. Strength-based community development builds stakeholder & indigenous participants capacity for NRM. A Communication, Education, Participation & Action program promotes skills & commitment to sustain results. The project is led by a highly effective national NGO in partnership with an established project team of land managers, community groups & education institutions.





Project documents



Communication and Engagement Strategy

WetlandCare Australia



Minutes Project Control Group 2 Oct 13

WetlandCare Australia



Flyer - neighbour consultations

WetlandCare Australia



FLyer - Launch invitation

WetlandCare Australia

News and events

At the end of year 1, WetlandCare Australia and our partners have made a great start restoring Boatman Creek Catchment. Indigenous trainees and our project partners have undertaken primary regeneration of 117ha of remnant bushland in the catchment.

Tom Farrell Institute at the University of Newcastle kicked off our engagement program by starting a Landcare Group on Campus and hosting habitat hikes and a Water Smart Design Workshop.

Our Indigenous lead team coordinated a range of activities to engage Indigenous people in the project. These included Cultural Competency training for the project team, Cultural











John La Salle







Home / Projects / Newcastle Riparian-Ramsar Connections

Newcastle Riparian-Ramsar Connections

Overview

Plans & Reports

Sites Dashboard

Admin

 Admin only view Activities

overview and status

This plan has been approved

Enter information into each activity. When all activities in a stage are finished (or cancelled or deferred) you can submit the stage for validation by clicking the 'report' button.

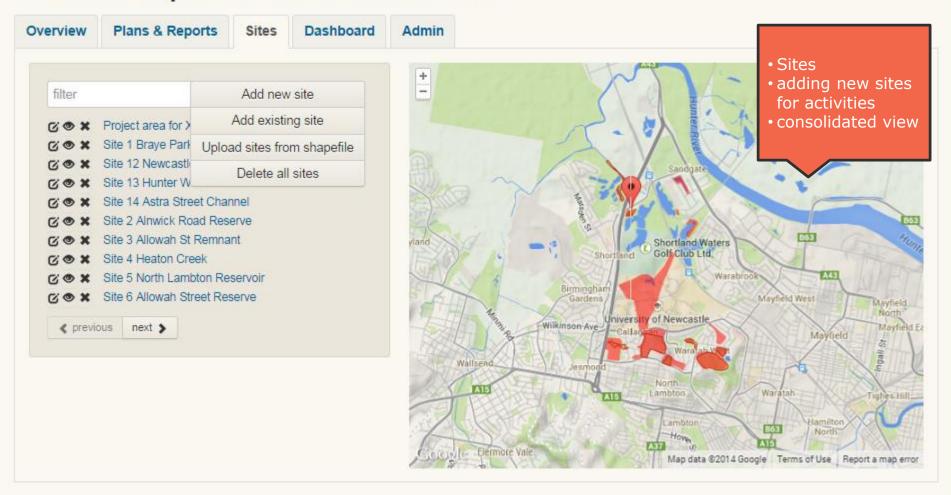
Planned Activities

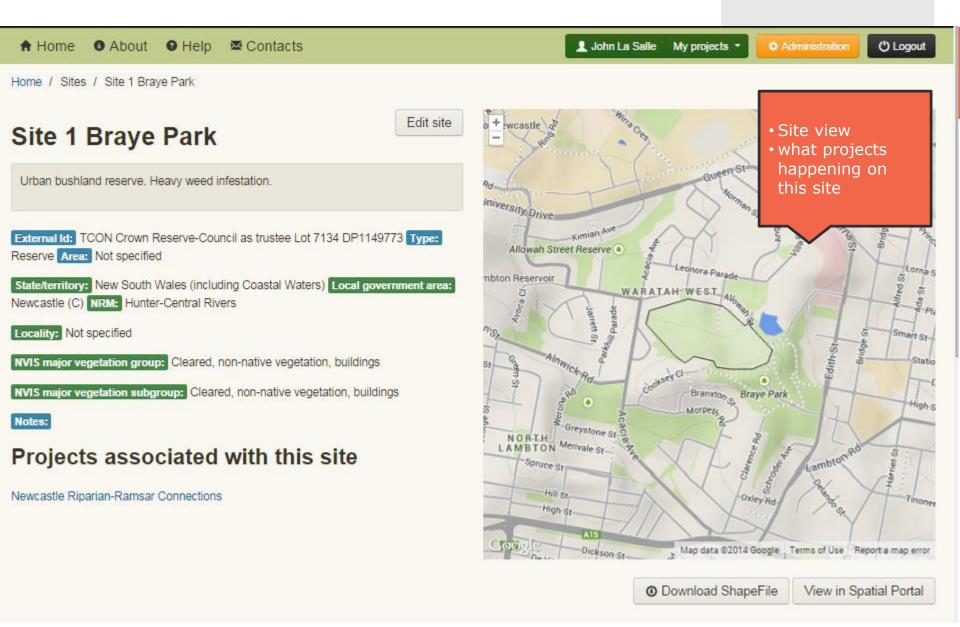
Tabular Gantt chart

Tabular Ganti C	and t						
Stage	Actions	From	То	Description	Activity	Site	Status
Stage 1 Report Approved	© ⊕ 	01-07-2013	31-12-2013	Activity 1.1e: Project launch,	Community Participation and Engagement		finished
× Withdraw	Ø ● ×	01-07-2013	31-12-2013	Activity 1.5b: sub contract WSUD	Project Administration		finished
approval	Ø ♣ ×	01-07-2013	31-12-2013	Activity 1.1b prepare scopes and pro	Project Administration		finished
	Ø ● ×	01-07-2013	31-12-2013	Activity 1.1c: establish Project Co	Project Administration		finished
	Ø ♣ ×	01-07-2013	31-12-2013	Activity 1.1d: host inception meeting;	Project Administration		finished
	Ø ● ×	01-07-2013	31-12-2013	Activity 1.1f. recruit & engage CFOC P	Project Administration		finished
	Ø ♣ *	01-07-2013	31-12-2013	Activity 1.1e: Project launch,	Community Participation and Engagement		finished
	© ● *	01-07-2013	31-12-2013	Vegetation Assessment Site 1.2	Vegetation Assessment - Commonwealth government methodology	Project area for X0000004443G	finished
	Ø ♣ ×	01-07-2013	31-12-2013	Veg assessment: Site 5.2	Vegetation Assessment -	Project area for	finished

		Q ● ★	01-01-2014	30-06-2014	Activity 2.1: Governance: Control Gr	Project Administration		finished 🕶
		(01-01-2014	30-06-2014	Activity 2.6: Site 6 Allowah Reser	Community Participation and Engagement	Site 6 Allowah Street Reserve	finished +
		(01-01-2014	30-06-2014	2.9e-Site 13 Hunter Wetlands Centr	Weed Treatment	Site 13 Hunter Wetlands Centre	finished •
		(01-01-2014	30-06-2014	2.9d-Site 13 Hunter Wetlands Centr	Erosion Management	Project area for X0000004443G	finished ▼
		(01-01-2014	30-06-2014	2.9c.Site 13 Hunter Wetlands Centre	Management Plan Development	Site 13 Hunter Wetlands Centre	finished •
	Stage 3 Current stage	(01-07-2014	31-12-2014	A summary of overall project outcom	Progress, Outcomes and Learning - stage report		planned +
		(3 ⊕ ¥	01-07-2014	31-12-2014	Activity 3.1: Governance - Control G	Project Administration		started +
		(3 ⊕ ¥	01-07-2014	31-12-2014	Activity 3.2: MERI - Survey monitori	Project Administration		planned +
		(3 ⊕ ¥	01-07-2014	31-12-2014	Activity 3.3: Bush regeneration continues	Revegetation		planned +
		© ● ¥	01-07-2014	31-12-2014	Activity 3.4: Site 9 Warabrook Wetlan	Revegetation		planned +
		© ● ¥	01-07-2014	31-12-2014	Activity 3.5: Site 12 Newcastle Wetla	Revegetation		planned 🔻
		© ● ¥	01-07-2014	31-12-2014	Activity 3.6: Site 13 HWCA: Chanel b	Erosion Management		planned +
		(01-07-2014	31-12-2014	Activity 3.7: Engagement Program c	Community Participation and Engagement		planned +
Stag		(01-07-2014	31-12-2014	Activity 3.8: Indigenous Capacity pr	Community Participation and Engagement		planned +
	Stage 4	(⊕ 	01-01-2015	30-06-2015	A summary of overall project outcom	Progress, Outcomes and Learning - stage report		planned +
		© ● ¥	01-01-2015	30-06-2015	Activity 4.1: Governance: Control Gr	Project Administration		planned +
		© ● ¥	01-01-2015	30-06-2015	Activity 4.2: Survey monitoring quad	Project Administration		planned +
		© ● ¥	01-01-2015	30-06-2015	Activity 4.2: Bush regeneration co	Revegetation		planned +
		Ø∰¥	01-01-2015	30-06-2015	Activity 4.3: Site 6 Allowah Reserve	Revegetation		planned +
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Newcastle Riparian-Ramsar Connections

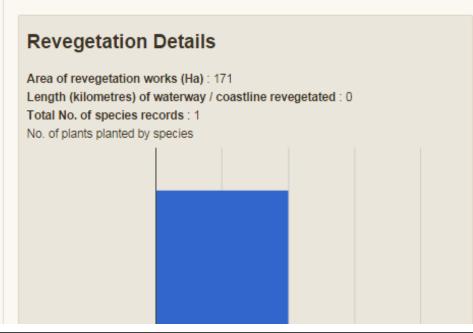


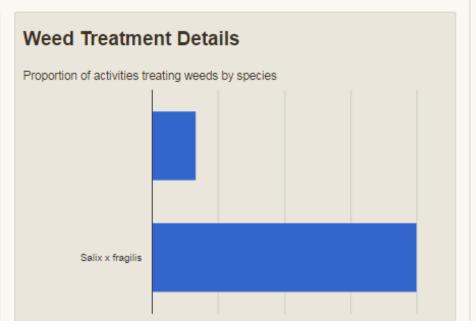


Rivers of Carbon: Southern Tablelands Riparian Linkages Project



Outputs without targets





Monitoring, Evaluation, Reporting and Improvement Tool (MERIT)

The online monitoring, evaluation, reporting and improvement tool (MERIT) is now available for grant recipients to start reporting. MERIT has been developed for the project and programme reporting requirements of Australian Government NRN programmes. MERIT allows grant recipients to record and upload data about the progress of their projects on a continual basis and to submit reports online. It will also increase information sharing within NRN communities and the honader public.

Developed in collaboration with the Atlas of Living Australia, MERIT will enhance the reporting process by allowing simpler yet more complete project records and showing direct links between biodiversity conservation work.

ANNOUNCEMENTS

- MERIT users guides are now available at http://www.nrm.gov.awfunding/merit/user-guides.html. Please check the guides and FAQ's for information on how to use MERIT.
- For important information regarding the upload of shape files and for new features and fixes that were deployed on 17/6/14 see 'About' for details.
- A new sample project has been added to assist users in interpreting activity types and communicating their project to the public. View the sample project (opens in a new tab)

Filter projects

 different "views" by organisation, program, region etc

Filter results

Current filters

Management Areas: South Australian Murray Darling Basin

Organisation

- South Australian Murray-Darling Basin Natural Resources Management Board (5)
- · South Australian Murray-Darling Basin (5)
- GOOLWA TO WELLINGTON LOCAL ACTION PLANNING ASSOCIATION INCORPORATED (4)
- MURRAY MALLEE LOCAL ACTION PLANNING ASSOCIATION INC (2)
- . The trustee for EJ Hermitage Farming Trust (1)
- choose more...

Program

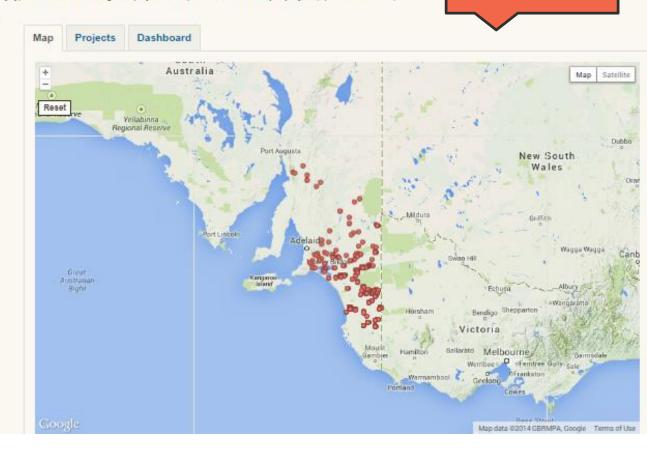
- Biodiversity Fund (21)
- . Caring for Our Country 2 (9)

Sub Program

- Round 1 (19)
- Regional Delivery 1318 (5)
- Community Environment Grants 1314 (4)
- Round 2 2013/14 (2)

Reporting Theme

Protecting and enhancing existing native vegetation (17)



NRM

Monitoring, Evaluation, Reporting and Improvement Tool (MERIT)

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Filter

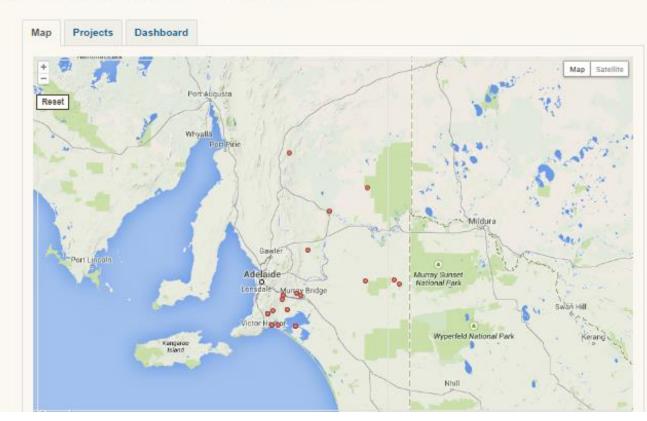
narrow selection

ANNOUNCEMENTS

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Filter results Current filters Management Areas: South Australian Murray Darling Basin Reporting Theme: Managing invasive species in a connected Organisation GOOLWA TO WELLINGTON LOCAL ACTION PLANNING ASSOCIATION INCORPORATED (4) South Australian Murray-Darling Basin Natural Resources Management Board (3) The trustee for EJ Hermitage Farming Trust (1) SOUTH EAST LOCAL GOVERNMENT ASSOCIATION INC (1) ROYAL ZOOLOGICAL SOCIETY OF SOUTH AUSTRALIA INC (1) choose more... Program . Biodiversity Fund (15) Sub Program Round 1 (13) Round 2 - 2013/14 (2) Reporting Theme Managing invasive species in a connected landscape (15)

Protecting and enhancing existing native vegetation (13)



choose more.

New South Wales (including Coastal Waters) (294)

Queensland (including Coastal Waters) (260)

State

■ About Help Contacts

■ Contacts

Dashboard view

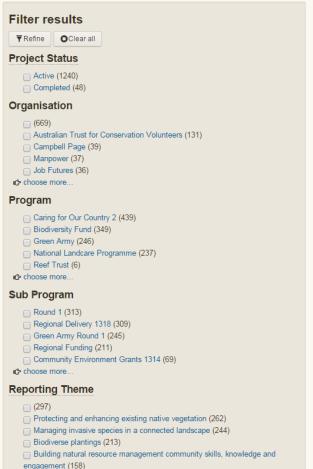
(b) Logout

Monitoring, Evaluation, Reporting and Improvement Tool (MERIT)

The online monitoring, evaluation, reporting and improvement tool (MERIT) is now available for grant recipients to start reporting. MERIT has been developed for the project and programme reporting require programmes. MERIT allows grant recipients to record and upload data about the progress of their projects on a continual basis and to submit reports online. It will also increase information sharing within NR

Developed in collaboration with the Atlas of Living Australia, MERIT will enhance the reporting process by allowing simpler yet more complete project records and showing direct links between project activitie

biodiversity conservation work.



Мар	Projects	Dashboard
accura	acy of the ecolog	dashboard has been extracted from grant recipient progress reports approved by the Department of the Environ ical information contained in MERIT, for confirmation of authoritative data please contact the /home/contacts. Also note incomplete due to legacy issues.
Bio	odiversity - Site	Condition Assessment
Bio	diversity Mana	gement
Co	mmunity Engag	gement and Capacity Building
Fai	m Management	t Practices
Her	ritage Asset Ma	nagement
Ind	ligenous Capac	ity
Inv	asive Species I	Management - Pests & Diseases
Inv	asive Species I	Management - Weeds
Nat	tural Resources	s Management
Pro	oject Manageme	ent, Planning and Research Outputs
Re	vegetation	
Sit	es and Activity	Planning
results	s include approve	ed reported data from 643 projects, 875 sites and 9498 activities

Developed in collaboration with the Atlas of Living Australia, MERIT will enhance the reporting process by allowing simpler yet more complete project records and showing direct links between project activities and contributions to Australia's biodiversity conservation work.

MERIT Objectives

In future MEDIT will deliver

MERIT



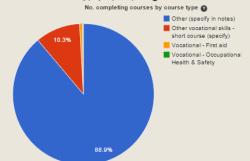




- Dashboard
- graphical representation & summary
- can be on any filtered selections



Total No. of people completing formal training courses ©: 5,930 No. of activities undertaken which involved formal training ©: 225 No. of courses attended by project participants ©: 381

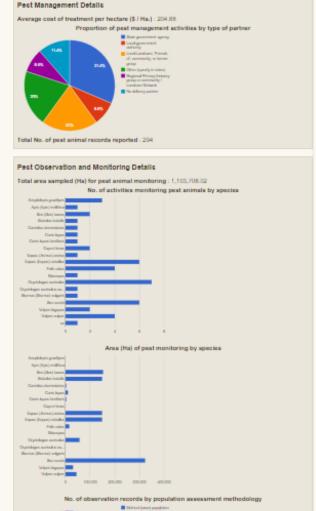




 Community Environment Grants 1314 (89)
 Reef Rescue 2013/14 (27) Target Area Grants - 2013/14 (22) A chagge more. Reporting Theme Protecting and enhancing soluting native wegetation (254)
 Managing invosive species in a connected tendecape (252)
 Stockwarse plannings (200)
 Building natural resource management community skills, knowledge and engagement (138) Conserving and protecting species and ecosystems (matters of national environmental significance) e choose more... State New South Wales (including Coastal Waters) (198). Ouserstand (Including Coastal Waters) (183) Victoria (Including Coastal Waters) (116) South Australia (Including Coastal Waters) (94) Western Australia (including Coastal Waters) (78) A chagge more... Management Areas Northern Rivers (45) South Australian Murray Darling Basin (30) Northern Territory (27) Southern Rivers (28) Wet Tropics (25) A choose more. LCA Tablelands (R) (20) Unincorporated SA (15) Toowoomba (R) (13) e choose more. Major Vegetation Group Cleared, non-native vegetation, buildings (419). Eucalypt Open Forests (92) Tussock Grasslands (37) Rainforests and Vine Thickets (38) A choose more... Biogeographic Regions South Eastern Queenstand (50) Brigalow Ball South (50) Sydney Besin (45) Murray Derling Depression (40)
 South Eastern Highlands (39) a choose more... Marine Regions n/a (588) Northeast Shelf Province (10)
 Spencer Gulf Shelf Province (7)
 Central Eastern Shelf Transition (4) Bass Strait Shelf Province (4) A choose more... Other Regions GER National Corridor (188) North Cosst (41) Australian Tropical Savanna (38)
 South East (34)

P chaque more.

Invasive Species Management - Pest Animals Pest Management Details No. of activities undertaking pest management : 0 Proportion of activities undertaking pest management by management method Mali & Index ■ Ballacty Manager of Area covered (Ha) by pest treatment: 7,483,721.88 Treated area (Ha) by species -Princeton I No. of individual animals killed / removed by species Birt Bled Impay one Limeres, 1788 Gern Input Gern Input Gern Inter Felt unter Lingun copyreit Lingun copyreit Marque Inter Judy Copyreit J No. of individual animals killed / removed by treatment method Bell & hope Top Book Trip & serious ARREST TAXABLE MARKET NAME.



Arresteld personal

Stats



- 1. Launched in December 2013
- 2. ~1400 registered users
- 3. 1322 projects (expect will hit nearly 2000 by end of 2015)
- 4. 6033 works sites
- 5. 800-1500 hits per week
- 6. 40000 + hits in first year

Imagine what we don't know about past investments







Efficiency gains



PRODUCTIVITY IMPROVEMENTS

- 1. Reduction in the time and effort required to produce project and programme summaries MERIT can provide reports in minutes where previously they took weeks to compile
- 2. Reduction in grant managers running personal shadow systems to track and manage their project portfolios
- 3. "One-stop-shop" tool for grant managers and recipients to document the full implementation history of projects
- 4. Pre-loading of project MERI plans and customised reporting templates provides significant efficiency gains
- 5. Utilising MERIT as a primary negotiation tool for over \$250 million of investment.
- 6. Real time feedback and updates

The MERIT reporting format is **simple**, **consistent**, **tailored to individual projects** and **only requires reporting on achievements**. For some programmes the system allows for real time reporting through use of tablet based field apps linked to MERIT.



ALA – Strategic Framework



Sharing biodiversity knowledge

VISION: A world-leading collaborative e-infrastructure integral to growing biodiversity knowledge

PURPOSE: Enabling high quality research and innovation outcomes to address national and global challenges in understanding, engaging with, managing and

reporting on biodiversity.

IMPACT AREAS

Collaborative Infrastructure

understanding & accessing biodiversity

Conservation policy, planning

Managing biodiversity

& implementation

Reporting on biodiversity

State of the environment

Impact on biodiversity Sustainable resource use

FOCUS AREAS

Collections based research

accelerating species discovery

Ecological science

ENABLING..

knowledge, interactions, planning, protection

SUPPORTED BY...

Environmental information

tools, analysis, prediction, synthesis

Industry

biosecurity & land-use, monitoring & understanding impacts

Policy

Research

Outreach

ENGAGEMENT

Citizen Science

people engaging with their natural environment

Indigenous

indigenous knowle<u>dge &</u> engagement

Globalisation

international reach & impact

STAKEHOLDERS

Collections

Individuals & Communities

Research organisations

Interest groups

NGOs, advocacy and data sources

NRM & local/regional

Private sector

Government

Commonwealth & State - data

International

THROUGH...

FOR...

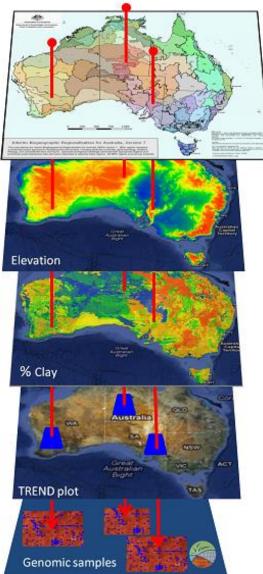
Embed Enable Engage TEAM **APPROACH DESIGN** DATA **ARCHITECTURE OUR CORE** user interface mobilisation & management system & tools

Where to now



- Names / NSL
- Identification support
- Virtual taxonomy
- eFlora
- Trait bank
- Species interactions
- digivol
- Phylogeny
- Digitisation / Images
- Fossils
- Indigenous
- Biosecurity / Ag
- TERN/AEKOS
- Plot / Survey
- Tracking
- MERIT
- Citizen Science
- DOI's, annotations, citations

Atlas / TERN / ANDS collaboration





TUESDAY, 16 APRIL 2013

'Soils to Satellites' shines at TERN Symposium

The annual TERN Symposium is an opportunity for anyone and everyone ecologically-inclined to gather in a single location and discover what projects the various TERN facilities have been working on since the previous year. This year's event was held over three days in February, at Old Parliament House, Canberra and featured a host of prominent guests including plenary speakers Lord Robert May (former Chief Scientist of the UK) and Professor Kris French (President of the Ecological Society of Australia) Dr David Schimel (Jet Propulsion Lab, NASA) and Professors Andy Lowe and Stuart Phinn (Associate Science Directors of TERN). The Symposium was attended by over 350 people from all across Australia, including many travelling from overseas, demonstrating an increasing interest in Australian ecosystem science infrastructure and science outputs across the country.

This year, a presentation on 'Soils to Satellite' (S2S), a collaborative project funded by the Australian National Data Service (ANDS) was given by Craig Walker (Director of the Eco-informatics Facility of TERN) and Peter Doherty (Atlas of Living Australia Programme Manager). The presentation outlined the gains of greater synergies and collaborations between the NCRIS capabilities and how S2S addresses these.

Craig described how the NCRIS capabilities had vast volumes of data and high levels of expertise especially in advanced technology and technical infrastructure covering the Australia's environmental information landscape.

'For example, the Australian Ecological Knowledge and Observation System (ÆKOS) built by Eco-informatics has well-described, raw scientific ecological data as its focus and complements the Atlas of Living Australia which focuses on data and profiles of species and specimens (biodiversity data)', said Craig.

'ÆKOS as part of its development has leveraged ALA's expertise in systematics, biodiversity and spatial platforms.'

Peter said the S2S incubator project demonstrates the integration of disparate data (independent of structure and standards), as well as strong collaboration and cooperation between NCRIS capabilities and the value and power of the mature ALA web services.

'It also contributes to and enriches ANDS Research Data Australia platform and generates 'real world' feedback for future iterations'.

'S2S brings together technical expertise and technological infrastructure for mutual benefit', agree Craig and Peter.

'There are many benefits enabling raw ecological plot and biodiversity data to be explored to support species, community and ecosystem distribution modelling to address climate change science questions in new ways not previously possible.'

BLOG ARCHIVE

- **2013 (2)**
- 'Soils to Satellites' shines at

TERN Symposium

- January (1)
- ≥ 2012 (5)

SEARCH THIS BLOG

Search

ICENCE

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This project is supported by the Australian National Data Service (ANDS). ANDS is supported by the Australian Government through the National Collaborative Research Infrastructure Strategy Program and the Education Investment Fund (EIF) Super Science Initiative.



The Australian Ecological Knowledge and Observation System at the TERN Ecoinformatics Facility.



TERN is supported by the Australian Government through the National Collaborative Research Infrastructure Strategy Program and the Education Investment Fund (EIF) Super Science Initiative.



Posted by neets at 9:54 am No comments:

M E E T V +1 Recommend this on Google

For o

Acacia pubifolia

Description

Shrub or tree to 8 m high, single-stemmed. Bark rough to 'ironbark'-type, black. Branchlets angular, brown or orange-brown, sometimes slightly pruinose, velvety-pubescent; ridges not prominent. Phyllodes narrowly elliptic, elliptic or narrowly obovate, straight, 2–8.5 (–10) cm long, 8–30 mm wide, silvery, velvety-pubescent, later puberulous, with 1–3 slightly prominent main nerves reaching apex and base; minor nerves 5 or 6 per mm, not anastomosing; gland 1, small, basal, hairy. Spikes almost sessile, 2–5 cm long, golden. Flowers 5-merous; calyx 0.5–0.9 mm long, truncate or dissected to c. 1/6, white-pubescent, papillose at apices; corolla 1.6–1.8 mm long, dissected to 1/2–5/8, glabrous; ovary villous. Pods linear, slightly constricted between and slightly raised over seeds, 3–8 cm long, 3–4 mm wide, chartaceous, greyish, longitudinally nerved, pubescent. Seeds longitudinal, oblong-elliptic, 4–4.5 mm long, black; pleurogram indistinct, narrowly U-shaped, kdfhdslifdslifdslifd.

- Contributed by Dr M.D.Tindale and Dr P.G.Kodela with the assistance of M.Sedward, S.J.Davies, C.Herscovitch, D.A.Keith and/or D.A.Morrison
- Edited by Dave Martin

Distribution

Occurs in the Darling Downs District, south-eastern Qld, from Glen Aplin to Wallangarra, common near Wyberba, S of Stanthorpe; less common in N.S.W. where it is recorded from Torrington State Recreation Area (NW of Emmaville) and near Warrabah National Park (c. 60 km W of Armidale).

- Contributed by Dr M.D.Tindale and Dr P.G.Kodela with the assistance of M.Bedward, S.J.Davies, C.Herscovitch, D.A.Keith and/or D.A.Montson

Habitat

Grows on rocky granite hillsides, in sandy, stony or loam soil in eucalypt-scrub woodland or Eucalyptus -Callitris forest.

- Contributed by Dr M.D.Tindale and Dr P.G.Kodela with the assistance of M.Bedward, S.J.Davies, C.Herscovitch, D.A.Keith and/or D.A.Morrison

Links

· Acacia pubifolia - Old Flora of Australia site page for Acacia pubifolia

Taxonomy from Australian Plant Census

- Kingdom: Plantae
- · Phylum: Charophyta
- · Class: Equisetopsida
- · Subclass: Magnoliidae
- · Order: Fabales
- Family: Fabaceae
 Genus: Acacia
- Species: Acacia pubifolia





Conservation & sensitivity lists

- . Census of the Queensland Flora 2013 Vascular plants
- Greening the Grain Belt test list.



The Atlas Of Living Australia Contact us Get involved ALA Apps •

Search the Atlas

User settings ▼

Phylolink

Overview

Phylolink is a collection of tools through which biodiversity can be explored from a phylogenetic (or tree of life) perspective.

At the core of these tools is the ability to easily intersect a phylogenetic tree with species occurrence records, environmental data, and species character information.

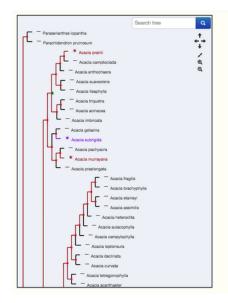
The result is powerful ways of combining data to generate flexible and customisable visualisations, profiles and metrics for biodiversity.

Start Phylolink

Explore Phylogenetic Diversity

Collaborators and acknowledgement:

These tools are the result of a collaboration between scientists, the creators of PhyloJIVE and the Atlas of Living Australia. The tools have been developed by Temi Varghese, Rebecca Pirzl, Adam Collins, Nick dos Remedios and Dave Martin, with advice from Joe Miller, Craig Moritz, Dan Rosauer and Garry Jolley-Rogers.





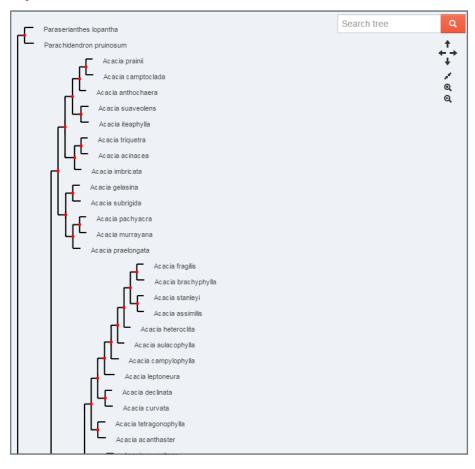


* The Atlas Of Living Australia Contact us Get involved ALA Apps - Search the Atlas Search

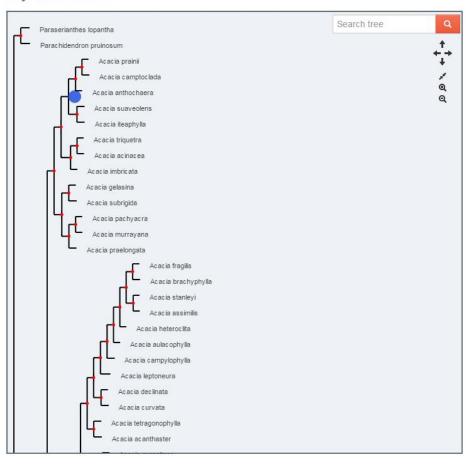
Search

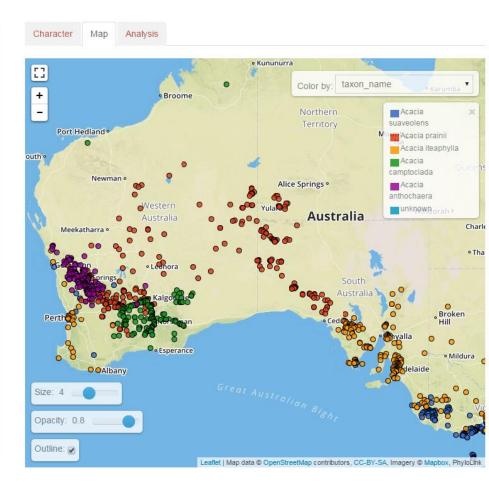
User settings -

Home / Start PhyloLink / My Visualisations



Character	Мар	Analysis		
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Or, pick	a chara	cter data	aset from the available list:	
Li	st of chara	acters ilable:	Choose ▼	
Note				×
Character to	o Tree bu	tton. Tree	t from the given list, or upload your character data. Then click on branch color is determined by the first character on the list. To co hat character to the top of the list, or edit the first character by clic	olor the tree







The Atlas Of Living Australia

Contact us

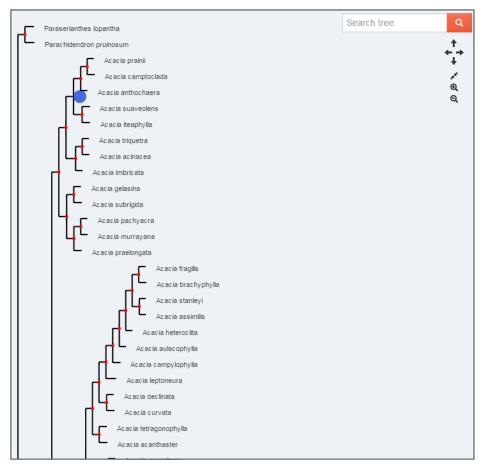
involved ALA

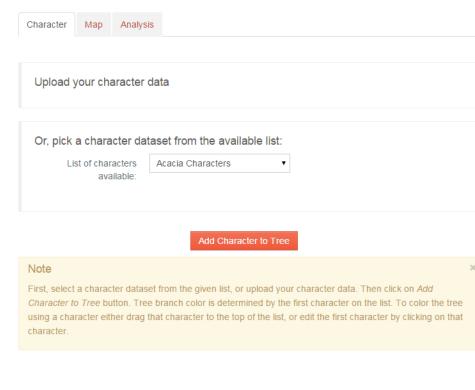
ALA Apps ▼ Search the Atlas

Search

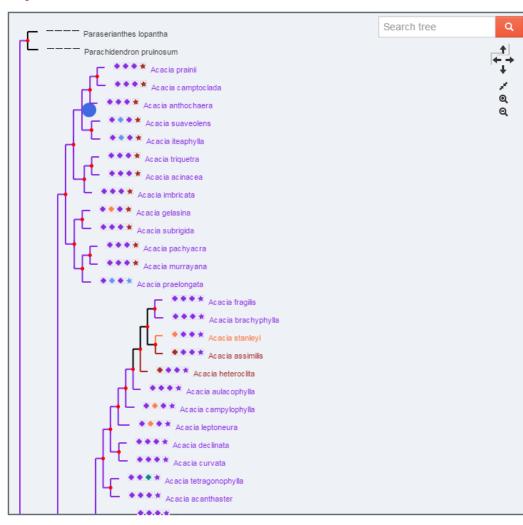
User settings

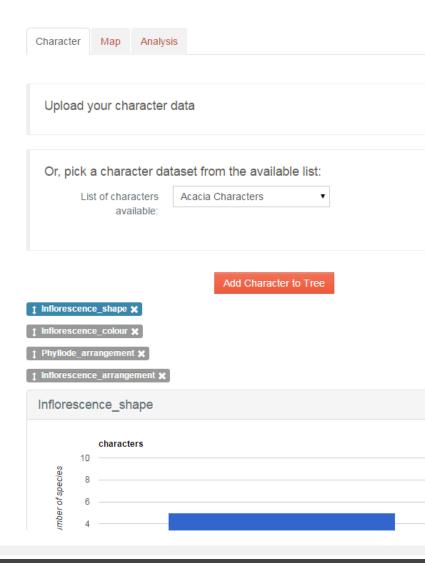
Home / Start PhyloLink / My Visualisations





Home / Start PhyloLink / My Visualisations





Home / Start PhyloLink / My Visualisations



Character	Мар	Analysis	
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Or, pick	a chara	cter data	set from the available list:
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† Inflorescend	ce_arrange	ement 🗶	
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mber of species 9 8 001		ers	

Search

My sightings | Recent sightings

Report a Sighting

Species	
Type a scientific or common name into the box below and choose from the auto-complete list.	Help me identify my sighting
How confident are you with the species identification? ● Confide Uncertain	nt
(Optional) Tag this sighting with species group and/or sub-group:	
Species group ▼	

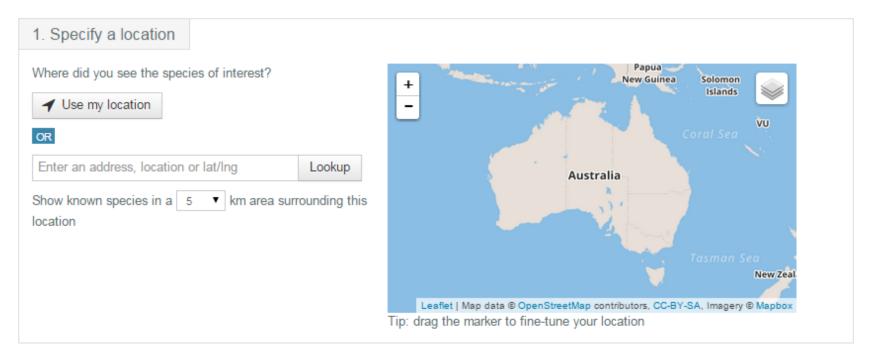
Media

+ Add files...

Optional. Add one or more images. Image metadata will be used to automatically set date and location fields (where available) Hint: you can drag and drop files onto this window



Help with species identification



2. Narrow to a species group

Select the group and subgroup (optional) that best fits the species (if unsuccessful try different groups or increase the "surrounding area" size - drop-down above)

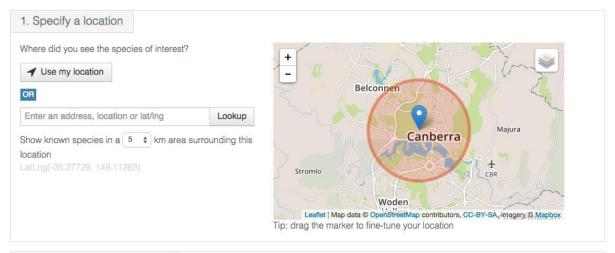
[Specify a location first]

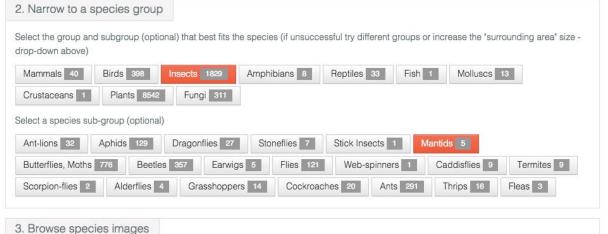
3. Browse species images

Look for images that match the species you are trying to identify. Click the image for more example images of that species and finally click the "select this image" button.

hide species without images

Help with species identification









Search

The Atlas Of Living Australia Contact us Get involved ALA Apps - Search the Atlas

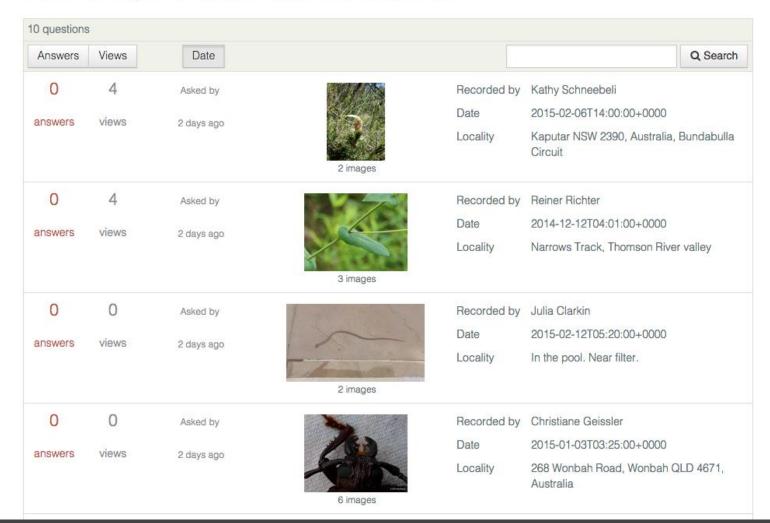
Home > Community identification help

Your activity summary

Community identification help

Records contributed by others and needing confirmation of what they are. Can you help to identify any of the species?

Get involved, have fun and contribute to science.





Home → Community identification help → Species identification case #718

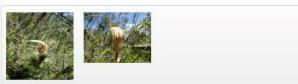
Your activity summary Logged in: , Switch users -

1 IDENTIFICATION(s)

Species identification case #718

Views: 8







公	Not	foll	owing	
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Recorded by Kathy Schneebeli

Event date 2015-02-06T14:00:00+0000

Kaputar NSW 2390, Australia, Bundabulla Circuit Locality

Pterostylis coccina Scientific name Common name Scarlet Greenhood

Add a comment or question...

Accepted answer	
Pterostylis coccina : Scarlet Greenhood Identified by moments ago	✓ ∆ 3 ♥
Add a comment on this identification	

Identify this occurrer	
Scientific name	
Common 2000	
Common name	
Remarks	
Notifial No.	
	Submit identification



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User settings +

Specimens images from Australia's Natural History collections

Images from Australian Natural History collections made available by the museums and herbaria of Australia. To view images from all collections, click here.

South Australian Museum Terrestrial Invertebrate Collection

South Australian Museum



The collection has Australia-Mide and Indo-Pacific representation, plus some world specimens for comparative purposes.

Australian National Insect Collection

Commonwealth Scientific and Industrial Research Organisation



The Australian National Insect Collection is recognized both nationally and internationally as a major research collection.

Museum Victoria Ornithology Collection

Museum Victoria



The Omithology Collection contains more than 70 000 specimens of mounted birds, sixins, sixeletons, eggs and specimens preserved in alcohol. One of the largest Australian avian collections, primarily of Australian species and with a strong Victorian emphasis, it includes material from a broad spectrum of the world's avifauna and represents in excess of 4000 species.

Australian Museum Entomology Collection

Australian Museum



Museum Victoria Entomology Collection

Museum Victoria



Australian Museum Marine Invertebrate Collection

Australian Museum



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Home: Blogs & news:: Learning by doing: The ALA is sponsoring Yugul Mangi Rangers and ecologists to conduct two-way biodiversity research in remote Arnhem Land

Learning by doing: The ALA is sponsoring Yugul Mangi Rangers and ecologists to conduct two-way biodiversity research in remote Arnhem Land

5 December, 2014

The Aboriginal Yugul Mangi Rangers (a group of 5 men and 4 women) are working together with Emilie Ens and Mitchell Scott, ecologists from Macquarie University, to document species occurring in one of the lesser known parts of the country - south eastern Arnhem Land. The project will enter Western and Indigenous scientific knowledge into the Atlas of Living Australia (ALA) and produce a two-way Indigenous engagement case study to encourage more Indigenous content.

Read more



Cherry Daniels (first Yugul Mangi Ranger co-ordinator, Senior Ngandi woman and IPA Cultural Advisor) with Edna Nelson (Yugul Mangi Ranger).



Andy Lukaman Peters explaining to Benjamin Wilfred about the bush food and medicine plants near Lake Katherine

Recent posts

- The different challenges of integrating data from many sources
- Panoramio
- Sign up to GBIF Australia email alerts
- Look for Whale Sharks in your Lounge Room
- Sandbox custom search facets for your data
- Using the ALA to help develop biodiverse plantings suitable for changing climatic conditions
- Viewing species layers in uDIG & ArcGIS
- PhyloJive Integrating biodiversity data with phylogenies
- The Atlas in the Classroom
- Holiday Greetings from the Atlas of Living Australia
- Australian BHL volunteers receive award
- Atlas Science Symposium
- Science Symposium presentations now available

Final thoughts



- We have created open, innovative infrastructure freely available and free for anyone to use and build upon..
 - One infrastructure many systems specific interfaces for defined communities
- We have shown how one infrastructure can serve the needs of Science/researchers but also strongly connect Science with communities and promote Citizen Science.
 - This infrastructure is very well placed to serve additional communities (Water, Ag, Biosecurity) as well as serve as a new platform to respect Indigenous Knowledge – particularly with new interfaces that reach out (be relevant) to Indigenous communities
- We don't digitise data but we are where you come when you have digitised data.



Thank you

www.ala.org.au



National Research Infrastructure for Australia

An Australian Government Initiative