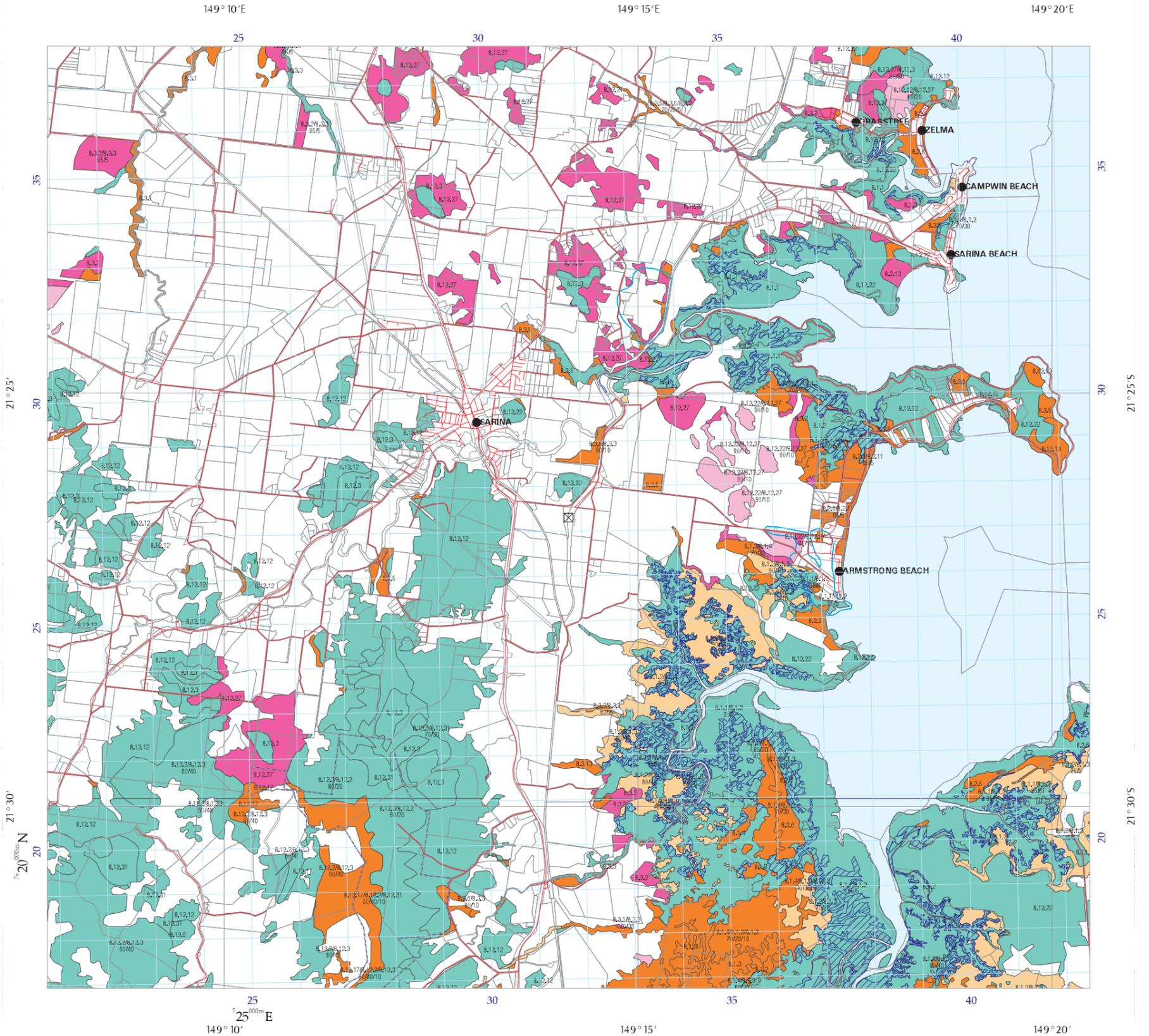


H1

Background searches



2003 REGIONAL ECOSYSTEM MAP

Based on 2003 Landsat TM imagery

Requested By: BARNESDJ@CONWAG.COM
Date: 09 May 07 Time: 14.38.38

Centered on point position:

Latitude: -21.4417 Longitude: 149.236 (decimal degrees)

This is a copy of the certified regional ecosystem map defined by the map extent for the purpose of the *Vegetation Management Act 1999*. Areas of property maps of assessable vegetation (PMAVs) are not shown on this map.

Defined map areas are labelled with the regional ecosystem (RE) code along with the percentage breakdown if more than one RE occurs within the area. Detailed definitions of regional ecosystems are available from www.epa.qld.gov.au/REDD. Defined map areas smaller than 5ha may not be labelled.

Regional ecosystem linework has been compiled at a scale of 1:100 000, except in designated areas where a compilation scale of 1:50 000 is available. Linework should be used as a guide only. The positional accuracy of RE data mapped at a scale of 1:100 000 is +/-100 metres. The extent of remnant regional ecosystems as of 2003, depicted on this map is based on rectified 2003 Landsat TM imagery (supplied by SLATS, Department of Natural Resources and Water).

Disclaimer:

While every care is taken to ensure the accuracy of this product, the Department of Natural Resources and Water, the Environmental Protection Agency and MapInfo Australia Pty Ltd, makes no representations or warranties about its accuracy, reliability, completeness or suitability for any particular purpose and disclaims all responsibility and all liability (including without limitation, liability in negligence) for all expenses, losses, damages (including indirect or consequential damage) and costs which you might incur as a result of the product being inaccurate or incomplete in any way and for any reason.

All datasets are updated as they become available to provide the most current information as of the date shown on this map.

Additional information is required for the purposes of land clearing or assessment of a regional ecosystem map or PMAV applications. For further information go to the web site: www.nrw.qld.gov.au/vegetation or contact the Department of Natural Resources and Water.

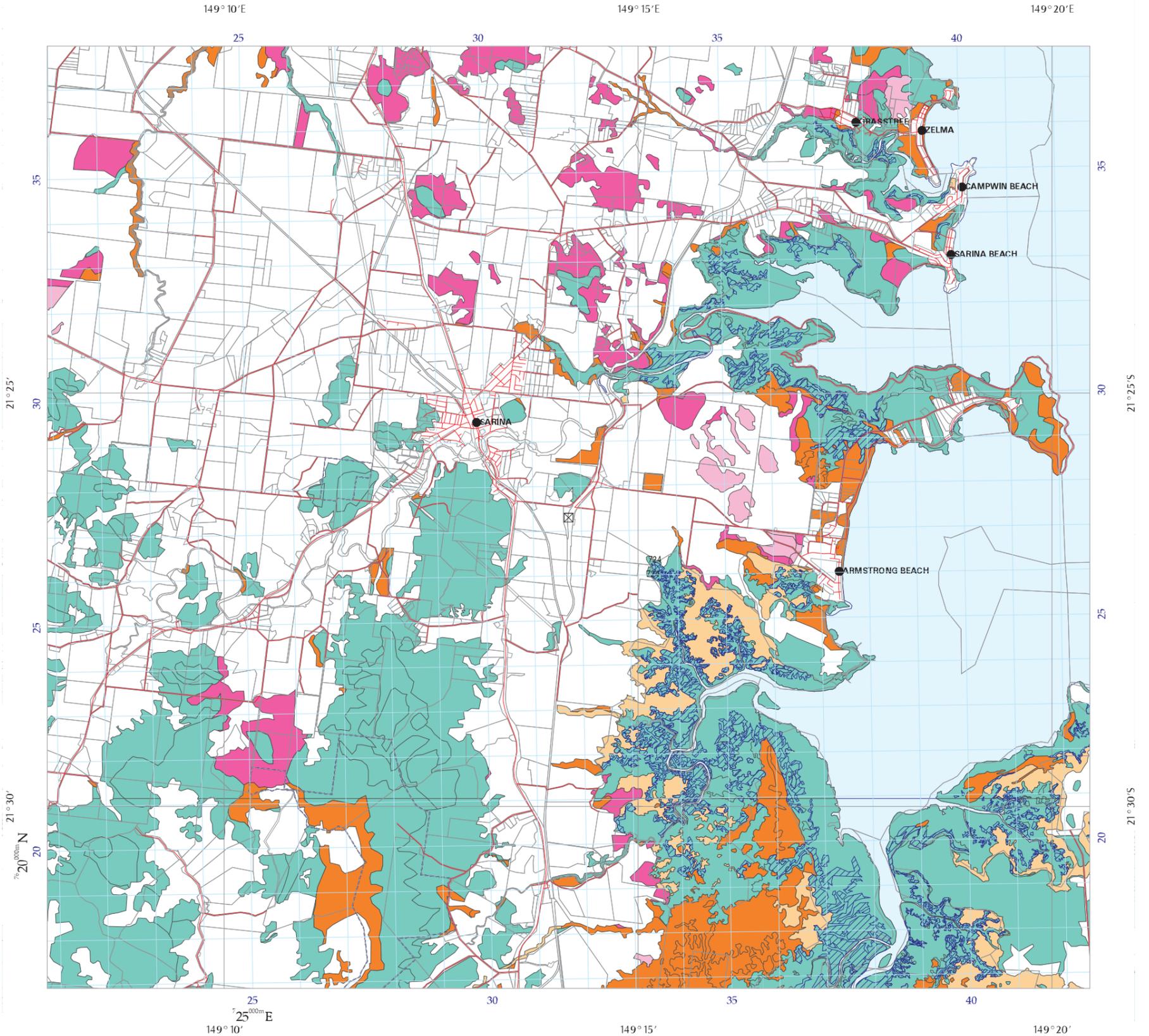
Digital regional ecosystem data is available in shapefile format, for Lot on Plans from www.epa.qld.gov.au/REDATA or from the Queensland Herbarium for larger areas.
Email: regional.ecosystem@epa.qld.gov.au

- 2003 Remnant endangered regional ecosystem
- Dominant
- Sub-dominant
- 2003 Remnant of concern regional ecosystem
- Dominant
- Sub-dominant
- 2003 Remnant not of concern regional ecosystem
- Non-remnant
- Plantation Forest
- Dam or Reservoir
- 2003 Remnant Vegetation Cover (RVC)
- Vegetation Management Act Essential Habitat
Area identified as essential habitat by the EPA for a species of wildlife listed as endangered, vulnerable, near threatened or rare under the *Nature Conservation Act 1992*. For further information on VMA Essential Habitat, please see the attached VMA Essential Habitat map.
- Certified Map Amendment area
- Roads
© MapInfo Australia Pty Ltd 2006
- Bioregion boundary
- National Park, Conservation Area State Forest and other reserves
- Cadastre line
The maximum spatial error of parcels extracted for this map from the Digital Cadastral Data Base(DCDB) range from: 14m to 251m at a 95% confidence level. Property boundaries shown are provided as a locational aid only.
- Towns
- ⊠ Coordinate entered



Horizontal Datum: Geocentric Datum of Australia 1994 (GDA94)

© The State of Queensland, 2007



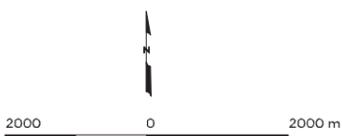
VEGETATION MANAGEMENT ACT ESSENTIAL HABITAT MAP

Requested By: BARNESDJ@CONWAG.COM
Date: 09 May 07 Time: 14.39.01

Centered on point position:

Latitude: -21.4417 Longitude: 149.236 (decimal degrees)

- 2003 Remnant endangered regional ecosystem
- Dominant
- Sub-dominant
- 2003 Remnant of concern regional ecosystem
- Dominant
- Sub-dominant
- 2003 Remnant not of concern regional ecosystem
- Non-remnant
- Plantation Forest
- Dam or Reservoir
- 2003 Remnant Vegetation Cover (RVC)
- Vegetation Management Act Essential Habitat
Area identified as essential habitat by the EPA for a species of wildlife listed as endangered, vulnerable, near threatened or rare under the *Nature Conservation Act 1992*.
- Vegetation Management Act Essential Habitat Species Records
- Roads
© MapInfo Australia Pty Ltd 2006
- Bioregion boundary
- National Park, Conservation Area State Forest and other reserves
- Cadastre line
The maximum spatial error of parcels extracted for this map from the Digital Cadastral Data Base (DCDB) range from: 14m to 251m at a 95% confidence level. Property boundaries shown are provided as a locational aid only.
- Towns
- Coordinate entered



Labels for Vegetation Management Act Essential Habitat are centred on the area of interest (1.1km surrounding and including a Lot on Plan or 2.2km around the selected coordinates). Labels relate to the attached species list.

Regional ecosystem linework has been compiled at a scale of 1:100 000, except in designated areas where a compilation scale of 1:50 000 is available. Linework should be used as a guide only. The positional accuracy of RE data mapped at a scale of 1:100 000 is +/-100 metres. The extent of remnant regional ecosystems as of 2003, depicted on this map is based on rectified 2003 Landsat TM imagery (supplied by SLATS, Department of Natural Resources and Water).

Disclaimer:
While every care is taken to ensure the accuracy of this product, the Department of Natural Resources and Water, the Environmental Protection Agency and MapInfo Australia Pty Ltd, makes no representations or warranties about its accuracy, reliability, completeness or suitability for any particular purpose and disclaims all responsibility and all liability (including without limitation, liability in negligence) for all expenses, losses, damages (including indirect or consequential damage) and costs which you might incur as a result of the product being inaccurate or incomplete in any way and for any reason.

All datasets are updated as they become available to provide the most current information as of the date shown on this map.

Additional information is required for the purposes of land clearing or assessment of a regional ecosystem map or PMAV applications. For further information go to the web site: www.nrw.qld.gov.au/vegetation or contact the Department of Natural Resources and Water.

Digital regional ecosystem data is available in shapefile format, for Lot on Plans from www.epa.qld.gov.au/REDATA or from the Queensland Herbarium for larger areas.
Email: regional.ecosystem@epa.qld.gov.au

Vegetation Management Act Essential Habitat Species Habitat Factors

Essential habitat mapping for the following species is found within an area that includes:-

- 1.1km surrounding and including a Lot on Plan, or
- 2.2km around the selected coordinates.

Essential habitat is compiled from a combination of species habitat models and buffered species records. The NRMW essential habitat page has more information on how the layer is applied under the VMA Codes. Essential Habitat must include Regional Ecosystems (mandatory factor) as well as any two other factors.

| Label | Scientific Name | Common Name | NCA Status | Regional Ecosystems | Vegetation Community | Altitude | Position in Landscape |
|-------|------------------------|-----------------------------|------------|---|---|--------------------|-------------------------------|
| 724 | <i>Xeromys myoides</i> | Water Mouse/False Water-rat | V | 7.1.1, 7.1.2, 7.1.3, 7.1.4, 7.1.5, 7.2.3, 7.2.4, 7.2.7, 7.2.8, 7.2.9, 7.2.10, 7.2.11, 7.3.1, 7.3.2, 7.3.5, 7.3.6, 7.3.7, 7.3.8, 7.3.9, 7.3.12, 7.3.13, 7.3.14, 7.3.16, 7.3.19, 7.3.20, 7.3.21, 7.3.25, 7.3.26, 7.3.29, 7.3.30, 7.3.31, 7.3.32, 7.3.33, 7.3.34, 7.3.35, 7.3.39, 7.3.40, 7.3.42, 7.3.43, 7.3.44, 7.3.45, 7.3.46, 7.3.47, 7.3.48, 7.3.49, 7.3.50, 7.5.1, 7.5.2, 7.5.3, 7.5.4, 7.8.4, 7.8.7, 7.8.8, 7.8.10, 7.8.15, 7.8.16, 7.8.17, 7.8.18, 7.8.19, 7.11.5, 7.11.6, 7.11.8, 7.11.10, 7.11.13, 7.11.14, 7.11.16, 7.11.18, 7.11.19, 7.11.20, 7.11.21, 7.11.26, 7.11.29, 7.11.31, 7.11.32, 7.11.33, 7.11.34, 7.11.35, 7.11.37, 7.11.38, 7.11.39, 7.11.40, 7.11.41, 7.11.42, 7.11.43, 7.11.44, 7.11.45, 7.11.46, 7.11.47, 7.11.48, 7.11.49, 7.11.50, 7.11.51, 7.12.4, 7.12.5, 7.12.9, 7.12.12, 7.12.17, 7.12.21, 7.12.22, 7.12.23, 7.12.24, 7.12.25, 7.12.26, 7.12.27, 7.12.28, 7.12.29, 7.12.30, 7.12.33, 7.12.34, 7.12.35, 7.12.37, 7.12.51, 7.12.52, 7.12.53, 7.12.54, 7.12.55, 7.12.56, 7.12.58, 7.12.59, 7.12.60, 7.12.61, 7.12.62, 7.12.63, 7.12.64, 7.12.65, 7.12.66, 7.12.67, 7.12.69, 8.1.1, 8.1.2, 8.1.3, 8.1.4, 8.1.5, 8.2.1, 8.2.4, 8.2.6, 8.2.7, 8.2.8, 8.2.9, 8.2.12, 8.2.13, 8.3.2, 8.3.3, 8.3.5, 8.3.6, 8.3.8, 8.3.11, 8.3.12, 8.3.13, 8.3.14, 8.5.1, 8.5.2, 8.5.3, 8.5.5, 8.5.6, 8.9.1, 8.11.1, 8.11.3, 8.11.4, 8.11.5, 8.11.6, 8.11.8, 8.12.4, 8.12.5, 8.12.6, 8.12.7, 8.12.8, 8.12.9, 8.12.12, 8.12.13, 8.12.14, 8.12.20, 8.12.22, 8.12.23, 8.12.25, 8.12.26, 8.12.27, 8.12.31, 8.12.32, 11.1.3, 11.1.4, 11.2.1, 11.2.2, 11.2.5, 11.3.1, 11.3.2, 11.3.3, 11.3.4, 11.3.5, 11.3.6, 11.3.7, 11.3.8, 11.3.9, 11.3.10, 11.3.12, 11.3.13, 11.3.14, 11.3.15, 11.3.16, 11.3.17, 11.3.18, | Sedgeland (Juncus, Baumea, Lepironia, Cyperus, Eleocharis), salt meadow/saline grassland (Sporobolus virginicus), wet heathland (Banksia robur, Gahnia spp.) and saltmarsh-chenopod grassland behind mangroves; and in open-closed mangrove scrub-forest (e.g. Avicennia marina subsp. australasica in SEQ, Ceriops tagal, Bruguiera spp. but forage in adjacent Avicennia in CQC), Melaleuca quinquenervia swamp forest or fresh-water mangrove, and supralittoral banks with Callitris and Casuarina. | Sea level to 100m. | Coastal areas near mangroves. |



Queensland Government

Environmental Protection Agency Queensland Parks and Wildlife Service

Wildlife Online Extract

Search Criteria: Species List for a Specified Point

Species: All

Status: All

Date: Since 1980

Latitude: 21.4417

Longitude: 149.236

Distance: 2.5

Email: barnesdj@conwag.com

Date submitted: Monday 13 Nov 2006 16:08:16

Date extracted: Monday 13 Nov 2006 16:16:03

The number of records retrieved = 52

| Kingdom | Class | Family | Scientific Name | Common Name | NCA | EPBC | Recs |
|---------|---------------|-------------------|--|--------------------------------------|-----|------|------|
| animals | birds | Anatidae | <i>Tadorna radjah</i> | radjah shelduck | R | . | 1 |
| animals | birds | Artamidae | <i>Cracticus torquatus</i> | grey butcherbird | C | . | 1 |
| animals | birds | Artamidae | <i>Gymnorhina tibicen</i> | Australian magpie | C | . | 2 |
| animals | birds | Artamidae | <i>Artamus leucorhynchus</i> | white-breasted woodswallow | C | . | 1 |
| animals | birds | Cacatuidae | <i>Cacatua roseicapilla</i> | galah | C | . | 1 |
| animals | birds | Centropodidae | <i>Centropus phasianinus</i> | pheasant coucal | C | . | 1 |
| animals | birds | Charadriidae | <i>Vanellus miles miles</i> | masked lapwing (northern subspecies) | C | . | 1 |
| animals | birds | Columbidae | <i>Ducula bicolor</i> | pie imperial-pigeon | C | . | 1 |
| animals | birds | Columbidae | <i>Chalcophaps indica</i> | emerald dove | C | . | 1 |
| animals | birds | Columbidae | <i>Macropygia amboinensis</i> | brown cuckoo-dove | C | . | 1 |
| animals | birds | Columbidae | <i>Ocyphaps lophotes</i> | crested pigeon | C | . | 1 |
| animals | birds | Corvidae | <i>Corvus orru</i> | Torresian crow | C | . | 3 |
| animals | birds | Cuculidae | <i>Eudynamys scolopacea</i> | common koel | C | . | 1 |
| animals | birds | Dicaeidae | <i>Dicaeum hirundinaceum</i> | mistletoebird | C | . | 1 |
| animals | birds | Dicruridae | <i>Myiagra rubecula</i> | leaden flycatcher | C | . | 1 |
| animals | birds | Dicruridae | <i>Rhipidura leucophrys</i> | willie wagtail | C | . | 1 |
| animals | birds | Dicruridae | <i>Dicrurus bracteatus</i> | spangled drongo | C | . | 2 |
| animals | birds | Dicruridae | <i>Grallina cyanoleuca</i> | magpie-lark | C | . | 1 |
| animals | birds | Falconidae | <i>Falco cenchroides</i> | nankeen kestrel | C | . | 1 |
| animals | birds | Halcyonidae | <i>Dacelo leachii</i> | blue-winged kookaburra | C | . | 1 |
| animals | birds | Halcyonidae | <i>Todiramphus macleayii</i> | forest kingfisher | C | . | 1 |
| animals | birds | Halcyonidae | <i>Dacelo novaeguineae</i> | laughing kookaburra | C | . | 2 |
| animals | birds | Maluridae | <i>Malurus melanocephalus</i> | red-backed fairy-wren | C | . | 1 |
| animals | birds | Meliphagidae | <i>Myzomela obscura</i> | dusky honeyeater | C | . | 1 |
| animals | birds | Meliphagidae | <i>Lichenostomus flavus</i> | yellow honeyeater | C | . | 2 |
| animals | birds | Meliphagidae | <i>Entomyzon cyanotis</i> | blue-faced honeyeater | C | . | 1 |
| animals | birds | Meliphagidae | <i>Myzomela sanguinolenta</i> | scarlet honeyeater | C | . | 1 |
| animals | birds | Meliphagidae | <i>Lichmera indistincta</i> | brown honeyeater | C | . | 1 |
| animals | birds | Meropidae | <i>Merops ornatus</i> | rainbow bee-eater | C | . | 1 |
| animals | birds | Nectariniidae | <i>Nectarinia jugularis</i> | yellow-bellied sunbird | C | . | 2 |
| animals | birds | Oriolidae | <i>Sphecotheres viridis</i> | figbird | C | . | 3 |
| animals | birds | Pachycephalidae | <i>Colluricincla megarhyncha</i> | little shrike-thrush | C | . | 1 |
| animals | birds | Pardalotidae | <i>Pardalotus striatus</i> | striated pardalote | C | . | 1 |
| animals | birds | Pardalotidae | <i>Sericornis frontalis</i> | white-browed scrubwren | C | . | 1 |
| animals | birds | Passeridae | <i>Passer domesticus</i> | house sparrow | C | . | 1 |
| animals | birds | Psittacidae | <i>Trichoglossus chlorolepidotus</i> | scaly-breasted lorikeet | C | . | 3 |
| animals | birds | Psittacidae | <i>Trichoglossus haematodus moluccanus</i> | rainbow lorikeet | C | . | 2 |
| animals | birds | Sturnidae | <i>Aplonis metallica</i> | metallic starling | C | . | 2 |
| animals | birds | Threskiornithidae | <i>Threskiornis spinicollis</i> | straw-necked ibis | C | . | 1 |
| plants | higher dicots | Asteraceae | <i>Calyptocarpus vialis</i> | creeping cinderella weed | . | . | 1 |
| plants | higher dicots | Capparaceae | <i>Cleome aculeata</i> | | . | . | 1 |
| plants | higher dicots | Convolvulaceae | <i>Ipomoea quamoclit</i> | star of Bethlehem | . | . | 1 |
| plants | higher dicots | Cucurbitaceae | <i>Momordica charantia</i> | balsam pear | . | . | 1 |
| plants | higher dicots | Euphorbiaceae | <i>Phyllanthus amarus</i> | | . | . | 1 |
| plants | higher dicots | Euphorbiaceae | <i>Euphorbia cyathophora</i> | dwarf poinsettia | . | . | 1 |

| Kingdom | Class | Family | Scientific Name | Common Name | NCA | EPBC | Recs |
|---------|---------------|------------|---|-------------|-----|------|------|
| plants | higher dicots | Lamiaceae | <i>Leucas lavandulifolia</i> | | | . | 1 |
| plants | higher dicots | Moraceae | <i>Ficus septica</i> | | C | . | 1 |
| plants | higher dicots | Rubiaceae | <i>Oldenlandia corymbosa</i> var. <i>corymbosa</i> | | | . | 2 |
| plants | higher dicots | Solanaceae | <i>Solanum lycopersicum</i> var. <i>cerasiforme</i> | | | . | 1 |
| plants | monocots | Cyperaceae | <i>Schoenus falcatus</i> | | C | . | 1 |
| plants | monocots | Poaceae | <i>Sporobolus natalensis</i> | | | . | 1 |
| plants | monocots | Poaceae | <i>Cynodon nlemfuensis</i> var. <i>nlemfuensis</i> | | | . | 1 |

CODES

NCA - Indicates the conservation status of each taxon under the *Nature Conservation Act 1992*.

The codes are Presumed Extinct (PE), Endangered (E), Vulnerable (V), Rare (R), Common (C) or Not Protected ().

EPBC - Indicates the conservation status of each taxon under the *Environment Protection and Biodiversity Conservation Act 1999*.

The codes are Conservation Dependent (CD), Critically Endangered (CE), Endangered (E), Extinct (EX), Extinct in the Wild (XW) and Vulnerable (V).

Recs - Indicates the number of records of the species contained within the database for the area searched.

WildNet Sightings Search - List

Extracted: 14/11/2006 10:29:21

Latitude between: -21.4645914160664 and -21.4188057935274

Longitude between: 149.2122322415 and 149.259760353439

Distance: 2.5

Precision: <=2000 m

Location: Sarina Shire

| Kingdom | Class | Family | Scientific Name | Common Name | NCA | EPBC | End | Recs |
|---------|------------|---------------|-------------------------------|--------------------------------------|-----|------|-----|------|
| animals | amphibians | Bufoiidae | <i>Bufo marinus</i> | cane toad | | | II | 1 |
| animals | amphibians | Hylidae | <i>Litoria fallax</i> | eastern sedgefrog | C | | QA | 1 |
| animals | birds | Anatidae | <i>Anas superciliosa</i> | Pacific black duck | C | | QAI | 1 |
| animals | birds | Anatidae | <i>Tadorna radjah</i> | radjah shelduck | R | | QAI | 1 |
| animals | birds | Artamidae | <i>Artamus leucorhynchus</i> | white-breasted woodswallow | C | | QA | 1 |
| animals | birds | Artamidae | <i>Cracticus torquatus</i> | grey butcherbird | C | | QA | 1 |
| animals | birds | Artamidae | <i>Gymnorhina tibicen</i> | Australian magpie | C | | QAI | 2 |
| animals | birds | Cacatuidae | <i>Cacatua roseicapilla</i> | galah | C | | QA | 1 |
| animals | birds | Centropodidae | <i>Centropus phasianinus</i> | pheasant coucal | C | | QA | 1 |
| animals | birds | Charadriidae | <i>Vanellus miles miles</i> | masked lapwing (northern subspecies) | C | | QAI | 1 |
| animals | birds | Columbidae | <i>Chalcophaps indica</i> | emerald dove | C | | QA | 1 |
| animals | birds | Columbidae | <i>Ducula bicolor</i> | ped imperial-pigeon | C | | QAI | 1 |
| animals | birds | Columbidae | <i>Macropygia amboinensis</i> | brown cuckoo-dove | C | | QAI | 1 |
| animals | birds | Columbidae | <i>Ocyphaps lophotes</i> | crested pigeon | C | | QA | 1 |
| animals | birds | Corvidae | <i>Corvus orru</i> | Torresian crow | C | | QAI | 3 |
| animals | birds | Cuculidae | <i>Eudynamys scolopacea</i> | common koel | C | | QAI | 1 |
| animals | birds | Dicaeidae | <i>Dicaeum hirundinaceum</i> | mistletoebird | C | | QAI | 1 |
| animals | birds | Dicruridae | <i>Dicrurus bracteatus</i> | spangled drongo | C | | QAI | 2 |
| animals | birds | Dicruridae | <i>Grallina cyanoleuca</i> | magpie-lark | C | | QAI | 1 |
| animals | birds | Dicruridae | <i>Myiagra rubecula</i> | leaden flycatcher | C | | QAI | 1 |
| animals | birds | Dicruridae | <i>Rhipidura leucophrys</i> | willie wagtail | C | | QAI | 1 |
| animals | birds | Falconidae | <i>Falco cenchroides</i> | nankeen kestrel | C | | QAI | 1 |
| animals | birds | Halcyonidae | <i>Dacelo leachii</i> | blue-winged kookaburra | C | | QAI | 1 |
| animals | birds | Halcyonidae | <i>Dacelo novaeguineae</i> | laughing kookaburra | C | | QA | 2 |
| animals | birds | Halcyonidae | <i>Todiramphus macleayii</i> | forest kingfisher | C | | QAI | 1 |
| animals | birds | Laridae | <i>Larus novaehollandiae</i> | silver gull | C | | QAI | 1 |
| animals | birds | Laridae | <i>Sterna bergii</i> | crested tern | C | | QAI | 1 |
| animals | birds | Maluridae | <i>Malurus melanocephalus</i> | red-backed fairy-wren | C | | QA | 1 |
| animals | birds | Meliphagidae | <i>Entomyzon cyanotis</i> | blue-faced honeyeater | C | | QAI | 1 |
| animals | birds | Meliphagidae | <i>Lichenostomus flavus</i> | yellow honeyeater | C | | Q | 2 |
| animals | birds | Meliphagidae | <i>Lichmera indistincta</i> | brown honeyeater | C | | QA | 1 |
| animals | birds | Meliphagidae | <i>Myzomela obscura</i> | dusky honeyeater | C | | QAI | 1 |
| animals | birds | Meliphagidae | <i>Myzomela sanguinolenta</i> | scarlet honeyeater | C | | QA | 1 |
| animals | birds | Meropidae | <i>Merops ornatus</i> | rainbow bee-eater | C | | QAI | 1 |
| animals | birds | Nectariniidae | <i>Nectarinia jugularis</i> | yellow-bellied sunbird | C | | QAI | 2 |
| animals | birds | Oriolidae | <i>Sphecotheres viridis</i> | figbird | C | | QAI | 3 |

| | | | | | | | | |
|---------|---------------|-------------------|---|--------------------------|---|--|-----|---|
| animals | birds | Pachycephalidae | <i>Colluricincla megarhyncha</i> | little shrike-thrush | C | | QAI | 1 |
| animals | birds | Pardalotidae | <i>Pardalotus striatus</i> | striated pardalote | C | | QA | 1 |
| animals | birds | Pardalotidae | <i>Sericornis frontalis</i> | white-browed scrubwren | C | | QA | 1 |
| animals | birds | Passeridae | <i>Passer domesticus</i> | house sparrow | | | II | 1 |
| animals | birds | Psittacidae | <i>Trichoglossus chlorolepidotus</i> | scaly-breasted lorikeet | C | | QA | 3 |
| animals | birds | Psittacidae | <i>Trichoglossus haematodus moluccanus</i> | rainbow lorikeet | C | | QA | 2 |
| animals | birds | Sturnidae | <i>Aplonis metallica</i> | metallic starling | C | | QAI | 2 |
| animals | birds | Threskiornithidae | <i>Threskiornis spinicollis</i> | straw-necked ibis | C | | QAI | 1 |
| animals | mammals | Phalangeridae | <i>Trichosurus vulpecula</i> | common brushtail possum | C | | QA | 9 |
| animals | mammals | Phascolarctidae | <i>Phascolarctos cinereus</i> | koala | C | | QA | 1 |
| animals | mammals | Pteropodidae | <i>Pteropus alecto</i> | black flying-fox | C | | QAI | 1 |
| animals | mammals | Pteropodidae | <i>Pteropus scapulatus</i> | little red flying-fox | C | | QAI | 1 |
| plants | higher dicots | Amaranthaceae | <i>Gomphrena celosioides</i> | gomphrena weed | | | IU | 1 |
| plants | higher dicots | Asteraceae | <i>Calyptracarpus vialis</i> | creeping cinderella weed | | | IU | 1 |
| plants | higher dicots | Capparaceae | <i>Cleome aculeata</i> | | | | IU | 1 |
| plants | higher dicots | Convolvulaceae | <i>Ipomoea quamoclit</i> | star of Bethlehem | | | IU | 1 |
| plants | higher dicots | Cucurbitaceae | <i>Momordica charantia</i> | balsam pear | | | IU | 1 |
| plants | higher dicots | Euphorbiaceae | <i>Euphorbia cyathophora</i> | dwarf poinsettia | | | IU | 1 |
| plants | higher dicots | Euphorbiaceae | <i>Phyllanthus amarus</i> | | | | IU | 1 |
| plants | higher dicots | Lamiaceae | <i>Leucas lavandulifolia</i> | | | | IU | 1 |
| plants | higher dicots | Mimosaceae | <i>Acacia flavescens</i> | toothed wattle | C | | U | 1 |
| plants | higher dicots | Moraceae | <i>Ficus septica</i> | | C | | U | 1 |
| plants | higher dicots | Myrtaceae | <i>Melaleuca fluviatilis</i> | | C | | U | 1 |
| plants | higher dicots | Rubiaceae | <i>Oldenlandia corymbosa</i> var. <i>corymbosa</i> | | | | IU | 2 |
| plants | higher dicots | Solanaceae | <i>Solanum lycopersicum</i> var. <i>cerasiforme</i> | | | | IU | 1 |
| plants | monocots | Cyperaceae | <i>Schoenus falcatus</i> | | C | | U | 1 |
| plants | monocots | Poaceae | <i>Cynodon nlemfuensis</i> var. <i>nlemfuensis</i> | | | | IU | 1 |
| plants | monocots | Poaceae | <i>Eragrostis unioides</i> | | C | | U | 1 |
| plants | monocots | Poaceae | <i>Sorghum nitidum</i> forma <i>aristatum</i> | | C | | U | 1 |
| plants | monocots | Poaceae | <i>Sporobolus natalensis</i> | | | | IU | 1 |
| plants | monocots | Poaceae | <i>Themeda triandra</i> | kangaroo grass | C | | U | 1 |

CODES

NCA - The conservation status of each taxon under the *Nature Conservation Act 1992*. The codes are Extinct in the wild (PE), Endangered (E), Vulnerable (V), Rare (R), Near threatened (NT); Least concern (C) or Not Protected ().

Note: For incomplete taxa such as a genus (eg *Litoria* or *Acacia*) no status value is assigned.

EPBC - The conservation status of each taxon under the *Environment Protection and Biodiversity Conservation Act 1999*.

The codes are Conservation Dependent (CD), Critically Endangered (CE), Endangered (E), Extinct (EX), Extinct in the Wild (XW), Vulnerable (V) and Threatened (includes taxa listed as CD, CE, E, EX, V and XW).

End - Native taxa (Queensland Endemic - Q, Intranational - QA, Regional Endemic - QI or Not Endemic to Australia - QAI),

Vagrant taxa - (Vagrant (International) - VI, Vagrant (Intranational) - VA or Vagrant (Unknown) - VU),

Introduced or naturalised in the wild taxa (Introduced (International) - II, Introduced (Intranational) - IA or Introduced (Unknown) - IU) or

Exotic taxa not known to be naturalised - (Exotic (International) - XI, Exotic (Intranational) - XA or Exotic (Unknown) - XU) or

Unknown endemicity (U).

Recs - The number of records of the taxon within the area search within WildNet. Note: This is not the number of

individuals of a taxon encountered.

When acknowledging WildNet Data please use the following:
Environmental Protection Agency (2006) WildNet. (Database).
Environmental Protection Agency, Brisbane. 14 November 2006



Australian Government

Department of the Environment and Water Resources

Protected Matters Search Tool

You are here: [Environment Home](#) > [EPBC Act](#) > [Search](#)

26 July 2007 09:54

EPBC Act Protected Matters Report

This report provides general guidance on matters of national environmental significance and other matters protected by the EPBC Act in the area you have selected. Information on the coverage of this report and qualifications on data supporting this report are contained in the [caveat](#) at the end of the report.

You may wish to print this report for reference before moving to other pages or websites.

The Australian Natural Resources Atlas at <http://www.environment.gov.au/atlas> may provide further environmental information relevant to your selected area. Information about the EPBC Act including significance guidelines, forms and application process details can be found at <http://www.environment.gov.au/epbc/assessmentsapprovals/index.html>

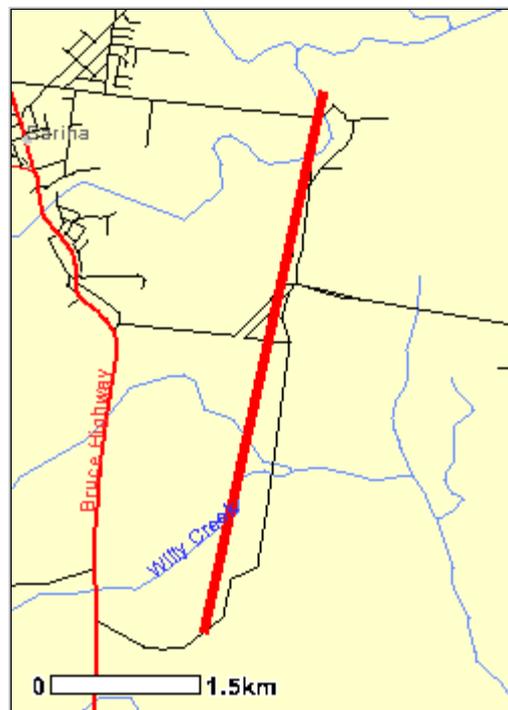
Search Type: Line
Buffer: .5 km
Coordinates: -21.41663,149.2445, -21.46771,149.2333



Report Contents: [Summary](#)
[Details](#)

- [Matters of NES](#)
- [Other matters protected by the EPBC Act](#)

• [Extra Information](#)
[Caveat](#)
[Acknowledgments](#)



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Summary

Matters of National Environmental Significance

This part of the report summarises the matters of national environmental significance that may occur in, or may relate to, the area you nominated. Further information is available in the detail part of the report, which can be accessed by scrolling or following the links below. If you are proposing to undertake an activity that

may have a significant impact on one or more matters of national environmental significance then you should consider the Administrative Guidelines on Significance - see <http://www.environment.gov.au/epbc/assessmentsapprovals/guidelines/index.html>.

| | |
|---|------|
| World Heritage Properties: | None |
| National Heritage Places: | None |
| Wetlands of International Significance: (Ramsar Sites) | None |
| Commonwealth Marine Areas: | None |
| Threatened Ecological Communities: | None |
| <u>Threatened Species:</u> | 9 |
| <u>Migratory Species:</u> | 18 |

Other Matters Protected by the EPBC Act

This part of the report summarises other matters protected under the Act that may relate to the area you nominated. Approval may be required for a proposed activity that significantly affects the environment on Commonwealth land, when the action is outside the Commonwealth land, or the environment anywhere when the action is taken on Commonwealth land. Approval may also be required for the Commonwealth or Commonwealth agencies proposing to take an action that is likely to have a significant impact on the environment anywhere.

The EPBC Act protects the environment on Commonwealth land, the environment from the actions taken on Commonwealth land, and the environment from actions taken by Commonwealth agencies. As heritage values of a place are part of the 'environment', these aspects of the EPBC Act protect the Commonwealth Heritage values of a Commonwealth Heritage place and the heritage values of a place on the Register of the National Estate. Information on the new heritage laws can be found at <http://www.environment.gov.au/heritage/index.html>.

Please note that the current dataset on Commonwealth land is not complete. Further information on Commonwealth land would need to be obtained from relevant sources including Commonwealth agencies, local agencies, and land tenure maps.

A permit may be required for activities in or on a Commonwealth area that may affect a member of a listed threatened species or ecological community, a member of a listed migratory species, whales and other cetaceans, or a member of a listed marine species. Information on EPBC Act permit requirements and application forms can be found at <http://www.environment.gov.au/epbc/permits/index.html>.

| | |
|--------------------------------------|------|
| Commonwealth Lands: | None |
| Commonwealth Heritage Places: | None |
| <u>Places on the RNE:</u> | 1 |
| <u>Listed Marine Species:</u> | 17 |
| Whales and Other Cetaceans: | None |
| Critical Habitats: | None |
| Commonwealth Reserves: | None |

Extra Information

This part of the report provides information that may also be relevant to the area you have nominated.

| | |
|--------------------------------------|------|
| State and Territory Reserves: | None |
|--------------------------------------|------|

| | |
|-------------------------------------|------|
| Other Commonwealth Reserves: | None |
| Regional Forest Agreements: | None |

Details

Matters of National Environmental Significance

Threatened Species [[Dataset Information](#)]

Birds

| Threatened Species | Status | Type of Presence |
|--|------------|--|
| Erythrotriorchis radiatus * Red Goshawk | Vulnerable | Species or species habitat likely to occur within area |
| Geophaps scripta scripta * Squatter Pigeon (southern) | Vulnerable | Species or species habitat likely to occur within area |
| Rostratula australis * Australian Painted Snipe | Vulnerable | Species or species habitat may occur within area |

Mammals

| | | |
|--|------------|---|
| Dasyurus hallucatus * Northern Quoll | Endangered | Species or species habitat may occur within area |
| Pteropus conspicillatus * Spectacled Flying-fox | Vulnerable | Species or species habitat may occur within area |
| Xeromys myoides * Water Mouse, False Water Rat | Vulnerable | Species or species habitat known to occur within area |

Reptiles

| | | |
|---|------------|--|
| Egernia rugosa * Yakka Skink | Vulnerable | Species or species habitat likely to occur within area |
|---|------------|--|

Plants

| | | |
|---|------------|--|
| Eucalyptus raveretiana * Black Ironbox | Vulnerable | Species or species habitat likely to occur within area |
| Leucopogon cuspidatus * | Vulnerable | Species or species habitat likely to occur within area |

Migratory Species [[Dataset Information](#)]

Migratory Terrestrial Species

Birds

| Migratory Species | Status | Type of Presence |
|--|-----------|--|
| Haliaeetus leucogaster White-bellied Sea-Eagle | Migratory | Species or species habitat likely to occur within area |
| Hirundapus caudacutus White-throated Needletail | Migratory | Species or species habitat may occur within area |
| Hirundo rustica Barn Swallow | Migratory | Species or species habitat may occur within area |
| Merops ornatus * Rainbow Bee-eater | Migratory | Species or species habitat may occur within area |
| Monarcha melanopsis Black-faced Monarch | Migratory | Species or species habitat may occur within area |
| Monarcha trivirgatus Spectacled Monarch | Migratory | Breeding likely to occur within area |

[Myiagra cyanoleuca](#)

Satin Flycatcher

Migratory

Species or species habitat likely to occur within area

[Rhipidura rufifrons](#)

Rufous Fantail

Migratory

Breeding may occur within area

Migratory Wetland Species**Birds**[Ardea alba](#)

Great Egret, White Egret

Migratory

Species or species habitat may occur within area

[Ardea ibis](#)

Cattle Egret

Migratory

Species or species habitat may occur within area

[Gallinago hardwickii](#) *

Latham's Snipe, Japanese Snipe

Migratory

Species or species habitat may occur within area

[Nettapus coromandelianus albipennis](#)

Australian Cotton Pygmy-goose

Migratory

Species or species habitat may occur within area

[Numenius minutus](#)

Little Curlew, Little Whimbrel

Migratory

Species or species habitat may occur within area

[Rostratula benghalensis s. lat.](#)

Painted Snipe

Migratory

Species or species habitat may occur within area

Migratory Marine Birds[Apus pacificus](#)

Fork-tailed Swift

Migratory

Species or species habitat may occur within area

[Ardea alba](#)

Great Egret, White Egret

Migratory

Species or species habitat may occur within area

[Ardea ibis](#)

Cattle Egret

Migratory

Species or species habitat may occur within area

Migratory Marine Species**Reptiles**[Crocodylus porosus](#)

Estuarine Crocodile, Salt-water Crocodile

Migratory

Species or species habitat likely to occur within area

Other Matters Protected by the EPBC ActListed Marine Species [[Dataset Information](#)]

Status

Type of Presence

Birds[Anseranas semipalmata](#)

Magpie Goose

Listed -
overfly
marine
area

Species or species habitat may occur within area

[Apus pacificus](#)

Fork-tailed Swift

Listed -
overfly
marine
area

Species or species habitat may occur within area

[Ardea alba](#)

Great Egret, White Egret

Listed -
overfly
marine
area

Species or species habitat may occur within area

[Ardea ibis](#)

Cattle Egret

Listed -
overfly
marine
area

Species or species habitat may occur within area

| | | |
|--|---------------------------------------|---|
| <u><i>Gallinago hardwickii</i></u> * Latham's Snipe, Japanese Snipe | Listed - overfly marine area | Species or species habitat may occur within area |
| <u><i>Haliaeetus leucogaster</i></u> White-bellied Sea-Eagle | Listed | Species or species habitat likely to occur within area |
| <u><i>Hirundapus caudacutus</i></u> White-throated Needletail | Listed - overfly marine area | Species or species habitat may occur within area |
| <u><i>Hirundo rustica</i></u> Barn Swallow | Listed - overfly marine area | Species or species habitat may occur within area |
| <u><i>Merops ornatus</i></u> * Rainbow Bee-eater | Listed - overfly marine area | Species or species habitat may occur within area |
| <u><i>Monarcha melanopsis</i></u> Black-faced Monarch | Listed - overfly marine area | Species or species habitat may occur within area |
| <u><i>Monarcha trivirgatus</i></u> Spectacled Monarch | Listed - overfly marine area | Breeding likely to occur within area |
| <u><i>Myiagra cyanoleuca</i></u> Satin Flycatcher | Listed - overfly marine area | Species or species habitat likely to occur within area |
| <u><i>Nettapus coromandelianus albipennis</i></u> Australian Cotton Pygmy-goose | Listed - overfly marine area | Species or species habitat may occur within area |
| <u><i>Numenius minutus</i></u> Little Curlew, Little Whimbrel | Listed - overfly marine area | Species or species habitat may occur within area |
| <u><i>Rhipidura rufifrons</i></u> Rufous Fantail | Listed - overfly marine area | Breeding may occur within area |
| <u><i>Rostratula benghalensis s. lat.</i></u> Painted Snipe | Listed - overfly marine area | Species or species habitat may occur within area |

Reptiles

| | | |
|---|--------|---|
| <u><i>Crocodylus porosus</i></u> Estuarine Crocodile, Salt-water Crocodile | Listed | Species or species habitat likely to occur within area |
|---|--------|---|

Places on the RNE [[Dataset Information](#)]
Note that not all Indigenous sites may be listed.

Natural

[Great Barrier Reef Region QLD](#)

Caveat

The information presented in this report has been provided by a range of data sources as [acknowledged](#) at the end of the report.

This report is designed to assist in identifying the locations of places which may be relevant in determining obligations under the *Environment Protection and Biodiversity Conservation Act 1999*. It holds mapped locations of World Heritage and Register of National Estate properties, Wetlands of International Importance, Commonwealth and State/Territory reserves, listed threatened, migratory and marine species and listed threatened ecological communities. Mapping of Commonwealth land is not complete at this stage. Maps have been collated from a range of sources at various resolutions.

Not all species listed under the EPBC Act have been mapped (see below) and therefore a report is a general guide only. Where available data supports mapping, the type of presence that can be determined from the data is indicated in general terms. People using this information in making a referral may need to consider the qualifications below and may need to seek and consider other information sources.

For threatened ecological communities where the distribution is well known, maps are derived from recovery plans, State vegetation maps, remote sensing imagery and other sources. Where threatened ecological community distributions are less well known, existing vegetation maps and point location data are used to produce indicative distribution maps.

For species where the distributions are well known, maps are digitised from sources such as recovery plans and detailed habitat studies. Where appropriate, core breeding, foraging and roosting areas are indicated under "type of presence". For species whose distributions are less well known, point locations are collated from government wildlife authorities, museums, and non-government organisations; bioclimatic distribution models are generated and these validated by experts. In some cases, the distribution maps are based solely on expert knowledge.

Only selected species covered by the [migratory](#) and [marine](#) provisions of the Act have been mapped.

The following species and ecological communities have not been mapped and do not appear in reports produced from this database:

- threatened species listed as [extinct or considered as vagrants](#)
- some species and ecological communities that have only recently been listed
- [some terrestrial species](#) that overfly the Commonwealth marine area
- migratory species that are very [widespread, vagrant, or only occur in small numbers](#).

The following groups have been mapped, but may not cover the complete distribution of the species:

- non-threatened seabirds which have only been mapped for recorded breeding sites;
- seals which have only been mapped for breeding sites near the Australian continent.

Such breeding sites may be important for the protection of the Commonwealth Marine environment.

Acknowledgments

This database has been compiled from a range of data sources. The Department acknowledges the following custodians who have contributed valuable data and advice:

- [New South Wales National Parks and Wildlife Service](#)
- [Department of Sustainability and Environment, Victoria](#)
- [Department of Primary Industries, Water and Environment, Tasmania](#)
- [Department of Environment and Heritage, South Australia Planning SA](#)
- [Parks and Wildlife Commission of the Northern Territory](#)
- [Environmental Protection Agency, Queensland](#)
- [Birds Australia](#)
- [Australian Bird and Bat Banding Scheme](#)
- [Australian National Wildlife Collection](#)
- Natural history museums of Australia
- [Queensland Herbarium](#)
- [National Herbarium of NSW](#)
- [Royal Botanic Gardens and National Herbarium of Victoria](#)
- [Tasmanian Herbarium](#)
- [State Herbarium of South Australia](#)
- [Northern Territory Herbarium](#)
- [Western Australian Herbarium](#)
- [Australian National Herbarium, Atherton and Canberra](#)
- [University of New England](#)
- Other groups and individuals

[ANUcliM Version 1.8, Centre for Resource and Environmental Studies, Australian National University](#) was used extensively for the production of draft maps of species distribution. Environment Australia is extremely grateful to the many organisations and individuals who provided expert advice and information on numerous draft distributions.

Last updated:

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Discoverer_Import

| Aq_Nr | Cultivated | Group_Code | Family_Name | Status | Botanical_Name | Bc_Nr | Collect_Name | Collect_Date | District_Name | Locality |
|--------|------------|------------|------------------|--------|--|-------|-----------------|--------------|---------------|--|
| 398049 | | A | Myrtaceae | V | Eucalyptus raveretiana F.Muell. | 4569 | Holdsworth G. | 1983 | South Kennedy | SARINA DISTRICT |
| 302124 | | A | Cyperaceae | | Abildgaardia ovata (Burm.f.) Kral | 52065 | Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA |
| 167569 | | A | Mimosaceae | | Acacia aulacocarpa A.Cunn. ex Benth. | 2973 | Francis W.D. | MAY1927 | South Kennedy | GRASS TREE GOLDFIELD NE OF SARINA (S OF MACKAY) |
| 190331 | | A | Mimosaceae | | Acacia flavescens A.Cunn. ex Benth. | 3012 | Francis W.D. | MAY1927 | South Kennedy | GRASS TREE GOLD FIELD NE FROM SARINA |
| 740832 | | A | Mimosaceae | | Acacia flavescens A.Cunn. ex Benth. | 3012 | Jackes B. | | Port Curtis | NEAR CAMPWIN TURNOFF SARINA BEACH ROAD, SARINA. |
| 192137 | | A | Mimosaceae | | Acacia leptocarpa A.Cunn. ex Benth. | 3035 | Francis W.D. | MAY1927 | South Kennedy | GRASS TREE GOLD FIELD NE FROM SARINA |
| 193118 | | A | Mimosaceae | | Acacia melanoxylon R.Br. | 3046 | Jones W.T. | JUL1963 | South Kennedy | SARINA |
| 91459 | | A | Myrsinaceae | | Aegiceras corniculatum (L.) Blanco | 79 | Jones W.T. | SEP1968 | South Kennedy | MACKAY-SARINA |
| 91461 | | A | Myrsinaceae | | Aegiceras corniculatum (L.) Blanco | 79 | Jones W.T. | SEP1968 | South Kennedy | SARINA |
| 177823 | | A | Alangiaceae | | Alangium villosum subsp. tomentosum (F.Muell.) Bloemb. | 94 | Francis W.D. | MAY1927 | South Kennedy | RA SW FROM SARINA & S FROM MACKAY |
| 723851 | E | A | Aristolochiaceae | | Aristolochia meridionalis E.M.Ross subsp. meridionalis | 76734 | Sankowsky G. | 27DEC2003 | North Kennedy | EX S OF SARINA, CULTIVATED TOGLA. |
| 328274 | | A | Poaceae | | Bothriochloa decipiens (Hack.) C.E.Hubb. var. decipiens | 44196 | Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA |
| 327716 | | A | Poaceae | | Bothriochloa decipiens (Hack.) C.E.Hubb. var. decipiens | 44196 | Hubbard C.E. | 16JAN1931 | South Kennedy | SARINA |
| 328272 | | A | Poaceae | | Bothriochloa decipiens var. cloncurrrens (Domin) C.E.Hubb. | 4183 | Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA |
| 257061 | | A | Poaceae | | Capillipedium spicigerum S.T.Blake | 4234 | Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA |
| 321232 | | A | Poaceae | | Chloris pumilio R.Br. | 3282 | Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA |
| 257068 | | A | Poaceae | | Chrysopogon fallax S.T.Blake | 3288 | Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA |
| 268558 | | A | Poaceae | | Chrysopogon filipes (Benth.) Reeder | 89370 | Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA |
| 201969 | | A | Euphorbiaceae | | Cleistanthus dallachyanus (Baill.) Baill. ex Benth. | 580 | Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA |
| 81447 | | A | Byttneriaceae | | Commersonia bartramia (L.) Merr. | 612 | Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA |
| 131826 | | A | Myrtaceae | | Corymbia clarksoniana (D.J.Carr & S.G.M.Carr) K.D.Hill & L.A.S.Johnson | 75406 | Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA |
| 396470 | | A | Myrtaceae | | Corymbia erythrophloia (Blakely) K.D.Hill & L.A.S.Johnson | 75178 | Holdsworth C.R. | FEB1984 | South Kennedy | DIVISION RA BETWEEN FUNNELL & DENNIS CK WATERSHED MARLBOROUGH- |
| 18765 | | A | Fabaceae | | Crotalaria mitchellii Benth. subsp. mitchellii | 3325 | Francis W.D. | APR1927 | Maranoa | COPPABELLA RD PERPETUA POINT BEACH E OF SARINA |
| 315671 | | A | Cyperaceae | | Cyperus cyperoides (L.) Kuntze | 4386 | Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA |
| 307591 | | A | Cyperaceae | | Cyperus javanicus Houtt. | 715 | Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA |
| 308132 | | A | Cyperaceae | | Cyperus pedunculatus (R.Br.) J.Kern | 719 | Francis W.D. | MAY1927 | South Kennedy | NEAR GRASS TREE GOLD FIELD NE FROM SARINA S OF MAC |
| 308613 | | A | Cyperaceae | | Cyperus polystachyos var. laxiflorus Benth. | 40127 | Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA |
| 299827 | | A | Cyperaceae | | Cyperus scariousus R.Br. | 4393 | Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA |
| 171738 | | P | Polypodiaceae | | Drynaria rigidula (Sw.) Bedd. | 882 | Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA |

Discoverer_Import

| | | | | | | | | |
|--------|---|---------------|---|-----------------------|-----------|---------------|--|-----------------|
| 277637 | A | Poaceae | Eragrostis spartinooides Steud. | 3458 Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA | |
| 426195 | A | Poaceae | Eragrostis unioloides (Retz.) Nees ex Steud. | 39523 Beaglehole A.C. | 26JUN1955 | South Kennedy | SARINA | |
| 782596 | A | Poaceae | Eriochloa crebra S.T.Blake | 3476 Cumming R. | 30APR2004 | South Kennedy | TURNOFF TO HOMEBUSH ON BRUCE HWY, JUST N OF SARINA. | |
| 360403 | A | Poaceae | Eriochloa procera (Retz.) C.E.Hubb. | 3477 Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA | |
| 64647 | A | Moraceae | Ficus adenosperma Miq. | 67547 Thorne R.F. | 19APR1959 | South Kennedy | SARINA RA NEAR CREST OF | |
| 634175 | A | Moraceae | Ficus fraseri Miq. | 1159 Champion I.G. | 06JAN1995 | South Kennedy | PLANE CK S OF SARINA W BANK N SIDE OF BRUCE HWY TRAFFIC BRIDGE | |
| 488012 | A | Moraceae | Ficus septica Burm.f. | 1176 Champion I.G. | 23OCT1995 | South Kennedy | SARINA RANGE NEAR TOP OF INLAND HWY | |
| 301526 | A | Cyperaceae | Fimbristylis dichotoma (L.) Vahl | 1190 Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA | |
| 262133 | A | Poaceae | Heteropogon contortus (L.) P.Beauv. ex Roem. & Schult. | 3551 Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA | |
| 262262 | A | Poaceae | Heteropogon triticeus (R.Br.) Stapf | 3552 Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA | |
| 57559 | A | Malvaceae | Hibiscus tiliaceus L. | 1429 Francis W.D. | APR1927 | South Kennedy | PERPETUA POINT | SARINA DISTRICT |
| 262485 | A | Poaceae | Hymenachne acutigluma (Steud.) Gilliland | 38652 Brooks N. | 06MAR1961 | South Kennedy | SARINA PLANE CK | |
| 262764 | A | Poaceae | Imperata cylindrica (L.) Raeusch. | 3576 Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA | |
| 233398 | A | Fabaceae | Indigofera pratensis F.Muell. | 3584 Goodchild N.C. | 20FEB1961 | South Kennedy | | |
| 265057 | A | Poaceae | Leersia hexandra Sw. | 4724 Francis W.D. | MAY1927 | South Kennedy | 8M S FROM SARINA | |
| 308228 | A | Myrtaceae | Lophostemon suaveolens (Sol. ex Gaertn.) Peter G.Wilson & J.T.Waterh. | 1667 Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA | |
| 36577 | A | Combretaceae | Lumnitzera racemosa Willd. | 6219 Jones W.T. | JUL1964 | South Kennedy | MT CHRISTIAN NR SARINA | |
| 741008 | A | Myrtaceae | Melaleuca fluviatilis Barlow | 85615 Beaglehole A.C. | 26JUN1955 | South Kennedy | SARINA, COMORS RIVER. | |
| 42947 | A | Myrtaceae | Melaleuca leucadendra (L.) L. | 1743 Francis W.D. | MAY1921 | South Kennedy | SARINA S FROM MACKAY | |
| 44125 | A | Myrtaceae | Melaleuca viridiflora Sol. ex Gaertn. var. viridiflora | 1762 Webb L.J. | NOV1965 | South Kennedy | SARINA 2M N | |
| 43931 | A | Myrtaceae | Melaleuca viridiflora Sol. ex Gaertn. var. viridiflora | 1762 Trapnell W.G. | 28JUN1960 | South Kennedy | 3M N OF SARINA BRUCE HWY | |
| 43936 | A | Myrtaceae | Melaleuca viridiflora Sol. ex Gaertn. var. viridiflora | 1762 Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA | |
| 43937 | A | Myrtaceae | Melaleuca viridiflora Sol. ex Gaertn. var. viridiflora | 1762 Francis W.D. | APR1927 | South Kennedy | PERPETUA POINT | E FROM SARINA |
| 43935 | A | Myrtaceae | Melaleuca viridiflora Sol. ex Gaertn. var. viridiflora | 1762 Telford I.R. | 18MAY1970 | South Kennedy | 3M N OF SARINA TOWARDS MACKAY | |
| 281362 | A | Poaceae | Mnesithea rottboellioides (R.Br.) de Koning & Sosef | 3671 Francis W.D. | MAY1927 | Leichhardt | BOLINGBROKE SIDE OF RA SW FROM SARINA | |
| 281360 | A | Poaceae | Mnesithea rottboellioides (R.Br.) de Koning & Sosef | 3671 Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA | |
| 281361 | A | Poaceae | Mnesithea rottboellioides (R.Br.) de Koning & Sosef | 3671 Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA | |
| 90203 | A | Myristicaceae | Myristica globosa subsp. muelleri (Warb.) W.J.de Wilde | 75359 Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA | |
| 46391 | A | Rubiaceae | Nauclera orientalis (L.) L. | 3676 Jones W.T. | 01NOV1962 | South Kennedy | SARINA | |

Discoverer_Import

| | | | | | | | | |
|--------|---|------------------|---|---|-------------------|---------------|----------------------------|---|
| 76365 | A | Pandanaceae | Pandanus brookei Martelli | 47380 Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA | |
| 333385 | A | Poaceae | Panicum decompositum R.Br. var. decompositum | 3705 Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA | |
| 199107 | A | Mimosaceae | Paraserianthes toona (F.M.Bailey) I.C.Nielsen | 6378 Francis W.D. | MAY1927 | South Kennedy | SARINA | |
| 361243 | A | Poaceae | Paspalidium distans (Trin.) Hughes | 4865 Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA | |
| 361235 | A | Poaceae | Paspalidium distans (Trin.) Hughes | 4865 Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA | |
| 234414 | A | Poaceae | Paspalum distichum L. | 39681 Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA | |
| 234423 | A | Poaceae | Paspalum scrobiculatum L. | 3724 Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA | |
| 234434 | A | Poaceae | Paspalum vaginatum Sw. | 3726 Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA | |
| 195362 | A | Potamogetonaceae | Potamogeton tricarınatus F. Muell. & A.Benn. ex A.Benn. | 2113 Galea F. | 10MAY1977 | South Kennedy | SARINA | |
| 298647 | A | Poaceae | Sarga plumosum (R.Br.) Spangler | 93748 Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA | |
| 457393 | A | Cyperaceae | Schoenoplectus litoralis (Schrad.) Palla | 2332 Scott T. | 06SEP1989 | South Kennedy | MARKLANDS VIA SARINA | |
| 155849 | A | Cyperaceae | Schoenoplectus mucronatus (L.) Palla ex J.Kern. | 2333 Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA | |
| 770306 | A | Cyperaceae | Schoenus falcatus R.Br. | 2338 Simpson S. | 23OCT2002 | South Kennedy | 5KM NORTH OF SARINA | |
| 298550 | A | Poaceae | Sorghum nitidum forma aristatum C.E.Hubb. | 39789 Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA | |
| 298549 | A | Poaceae | Sorghum nitidum forma aristatum C.E.Hubb. | 39789 Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA | |
| 426461 | A | Poaceae | Sorghum nitidum forma aristatum C.E.Hubb. | 39789 Beaglehole A.C. | 26JUN1955 | South Kennedy | SARINA | |
| 329139 | A | Poaceae | Sporobolus elongatus R.Br. | 5048 Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA | |
| 134614 | A | Myrtaceae | Syzygium australe (H.L.Wendl. ex Link) B.Hyland | 2506 Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA | |
| 375323 | A | Myrtaceae | Syzygium eucalyptoides (F.Muell.) B.Hyland subsp. eucalyptoides | 2517 Hughes B. | | South Kennedy | SARINA HILLS VIA SARINA | |
| 304452 | A | Poaceae | Themeda triandra Forssk. | 3908 Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA | |
| 304453 | A | Poaceae | Themeda triandra Forssk. | 3908 Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA | |
| 426591 | A | Poaceae | Themeda triandra Forssk. | 3908 Beaglehole A.C. | 26JUN1955 | Port Curtis | SARINA | |
| 125820 | A | Rubiaceae | Timonius timon (Spreng.) Merr. var. timon | 2577 Hubbard C.E. | 14JAN1931 | South Kennedy | SARINA | |
| 315471 | A | Zygophyllaceae | Tribulus cistoides L. | 2600 Stanley T.D. | 18NOV1978 | South Kennedy | SALONIKA BEACH S OF MACKAY | |
| 458518 | E | A | Fabaceae | Vigna radiata var. sublobata (Roxb.) Verdc. | 57572 Rebetzke G. | 02NOV1989 | South Kennedy | EX SARINA CULT SAMFORD CSIRO RESEARCH STN |
| 118540 | A | Xanthorrhoeaceae | Xanthorrhoea latifolia (A.T.Lee) D.J.Bedford subsp. latifolia | 57594 Francis W.D. | APR1927 | South Kennedy | SARINA | |

The attached ASCII tab-delimited file contains the results of your search of the Queensland Museum's database for amphibians, reptiles, birds and mammals in the area 21.25S-21.28S, 149.12E-149.16E in degrees and minutes, not decimalised (i.e., 21.50 = 21 deg 50 min, NOT 21 deg 30 min). I'll pass the search request on to Jeff Johnson. I hope this information is useful to you.

Best wishes,

Dr. Andrew P. Amey
 Collection Manager/Research Assistant, Biodiversity
 Queensland Museum
 P.O. Box 3300
 South Bank Qld. 4101
 Australia
 Ph: 61 7 3840 7705
 Fax: 61 7 3846 1226

Fauna data search results

| | | | | | |
|----------|----------------|-----------------|-----------------|-------|--------|
| Frogs | MYOBATRACHIDAE | Limnodynastes | ornatus | 21.25 | 149.12 |
| Frogs | HYLIDAE | Litoria rothii | | 21.25 | 149.12 |
| Frogs | HYLIDAE | Litoria rothii | | 21.25 | 149.12 |
| Frogs | HYLIDAE | Litoria rothii | | 21.25 | 149.12 |
| Frogs | HYLIDAE | Litoria rothii | | 21.25 | 149.12 |
| Frogs | HYLIDAE | Litoria rothii | | 21.25 | 149.12 |
| Frogs | HYLIDAE | Litoria rothii | | 21.25 | 149.12 |
| Frogs | HYLIDAE | Litoria rothii | | 21.25 | 149.12 |
| Frogs | HYLIDAE | Litoria rothii | | 21.25 | 149.12 |
| Reptiles | VARANIDAE | Varanus | varius | 21.26 | 149.12 |
| Reptiles | TYPHLOPIDAE | Ramphotyphlops | sp | 21.25 | 149.12 |
| Reptiles | COLUBRIDAE | Boiga | irregularis | 21.26 | 149.13 |
| Reptiles | COLUBRIDAE | Dendrelaphis | punctulata | 21.26 | 149.13 |
| Reptiles | COLUBRIDAE | Dendrelaphis | punctulata | 21.26 | 149.13 |
| Reptiles | COLUBRIDAE | Dendrelaphis | punctulata | 21.26 | 149.13 |
| Reptiles | COLUBRIDAE | Tropidonophis | mairii | 21.26 | 149.13 |
| Reptiles | COLUBRIDAE | Tropidonophis | mairii | 21.26 | 149.13 |
| Reptiles | ELAPIDAE | Cryptophis | nigrescens | 21.26 | 149.13 |
| Reptiles | ELAPIDAE | Pseudonaja | textilis | 21.26 | 149.13 |
| Birds | ARDEIDAE | Egretta | sacra | 21.26 | 149.13 |
| Birds | CHARADRIIDAE | Charadrius | ruficapillus | 21.26 | 149.13 |
| Birds | CHARADRIIDAE | Charadrius | ruficapillus | 21.26 | 149.13 |
| Birds | SCOLOPACIDAE | Limosalapponica | | 21.26 | 149.13 |
| Birds | LARIDAE | Larus | novaehollandiae | 21.26 | 149.13 |
| Birds | LARIDAE | Sterna | bergii | 21.26 | 149.13 |
| Birds | ALCEDINIDAE | Dacelo | novaeguineae | 21.26 | 149.13 |
| Birds | ALCEDINIDAE | Todiramphus | sanctus | 21.26 | 149.13 |
| Birds | HIRUNDINIDAE | Petrochelidon | nigricans | 21.26 | 149.13 |
| Birds | CRATICIDAE | Gymnorhina | tibicen | 21.27 | 149.12 |

QUEENSLAND MUSEUM/CRUSTACEA DATABASE
Datasearch for ME Qld Region 19/06/2007

Order Decapoda

Family Alpheidae

Alpheus sp.

Sarina Beach headland, 21.26S, 149.13 E, 12/04/1987

Family Atyidae

Atyidae sp.

Bells Ck., E. of Sarina, 21.26S, 149.13 E, 19/12/1978

Australatya striolata

Bells Ck., E. of Sarina, 21.26S, 149.13 E, 19/12/1978

Family Hippolytidae

Hippolytidae sp.

Sarina Beach headland, 21.26S, 149.13 E, 12/04/1987

Family Palaemonidae

Macrobrachium australiense

Bells Ck, E of Sarina, 21.26S, 149.13 E, 19/05/1978

? *Periclimenes* sp.

Sarina Beach headland, 21.26S, 149.13 E, 12/04/1987

Family Parastacidae

Cherax cf *depressus*

Bells Ck., E. of Sarina, 21.26S, 149.13 E, 19/12/1978

Family Porcellanidae

Petrolisthes teres

Sarina Beach headland, 21.26S, 149.13 E, 12/04/1987

Family Portunidae

Charybdis hellerii

Sarina Beach headland, 21.26S, 149.13 E, 12/04/1987

Thalamita crenata

Sarina Beach headland, 21.26S, 149.13 E, 12/04/1987

Family undetermined

Caridea sp.

Sarina Beach headland, 21.26S, 149.13 E, 12/04/1987

Family Xanthidae

Leptodius exaratus

Sarina Beach headland, 21.26S, 149.13 E, 12/04/1987

Macromedaeus crassimanus

Sarina Beach headland, 21.26S, 149.13 E, 12/04/1987

Order Isopoda

Family Corallanidae

Tachaea caridophaga

Funnel Ck, Bruce H'way Xing, N. of Sarina, 21.25S, 149.13 E, 31/03/1975

Order Thoracica

Family Tetracitidae

Tetracitita squamosa

Sarina Beach headland, 21.26S, 149.13 E, 12/04/1987

TREES

BOTTLE BRUSH
BLOODWOOD
BLUE GUM
BOTTLE BRUSH
BURDEKIN PLUMB
CLUSTER FIG
DAMSON
LEICHARDT
LEMON SCENTED GUM
MACARANGA
MELALUCCA
MORTEON BAY ASH
PEACH CEDAR
ROCK FIG
SILKY OAK
SWAMP BLOODWOOD
WHITE FIG

GRASSES

BLUE COUCH
BUFFALO COUCH
GIANT RATS TAIL - ERADICATING

PLANTS

WEEDS

CASTOR OIL PLANT
LAMBS TAIL
LANTANA
SENSITIVE WEED
SICKLEPOD - ERADICATING
GRT GRASS

MAMMALS

KANGAROO GREY
DINGO
DOGS FERAL
PIGS FERAL
FOX RED

REPLITES

CROCODILES SALT WATER

SNAKES BROWN
TAIPAN
WHIP YELLOW BELLY
CARPERT

TURTLE

FISH

AUST BASS
BARRAMUNDI
EEL
SARATOGA
SOOTY GRUNTER

| WATER BIRDS | | OPEN LAND BIRDS | | PARROTS | | BIRDS OF PREY | |
|--------------------|--|------------------------|---------------------------------|-----------------|------------------|----------------------|--------------------------------|
| ALBATROSS | WANDERING | BEE EATER | RAINBOW | COCKATOO | RED TAILED BLACK | EAGLE | WEDGETAILED |
| CORMORANT | LITTLE PIED LITTLE BLACK | BROLGA | | GALAH | | GOSHAWK | BROWN |
| DARTER | | BUSTARD | | ROSELLA | PALE HEADED | KITE | BLACK BRAHMINY WHISTLING |
| DUCK | AUST WOOD PLUMED WHISTLING BURDEKIN PACIFIC BLACK HARDHEAD | BUTCHER BIRD | PIED BLACK FACED PIED | | | SEA-EAGLE | WHITE BELLIED |
| EGRET | CATTLE EASTERN REEF GREAT LITTLE | CISTICOLA | ZITTING | | | | |
| GOOSE | MAGPIE | CROW | TORRESIAN | | | | |
| GREBE | AUSTRALASIAN | CUCKOO SHIKE | PEACEFUL | | | | |
| HERON | WHITE NECKED WHITE FACED | CURRAWONG | WHITE | | | | |
| JABIRU | | DOVE | BLACK BACKED | | | | |
| KINGFISHER | SACRED AZURE | FAIRY-WREN | RED BACKED | | | | |
| MOORHEN | DUSKY | FINCH | CHESTNUT BREASTED | | | | |
| PELICAN | AUSTRALIAN | HONEY EATER | BLUE FACED | | | | |
| RAIL | BANDED LEWIN'S | IBIS | AUST WHITE | | | | |
| SPOONBILL | ROYAL | KOOKABURRA | LAUGHING BLUE WINGED | | | | |
| STILT | BLACK WINGED | MAGPIE | BLACK BACKED | | | | |
| STINT | RED-NECKED | MARTIN | FAIRY | | | | |
| SWAMPHEN | PURPLE | MUDLARK | (PEEWEE) | | | | |
| SWAN | BLACK | PIGEON | CRESTED | | | | |
| TERN | GULL BILLED | PLOVER | BLACK FRONTED MASKED LAPWING | | | | |
| | | QUAIL | BROWN | | | | |
| | | SWALLOW | WELCOME | | | | |
| | | WILLIE WAGTAIL | | | | | |