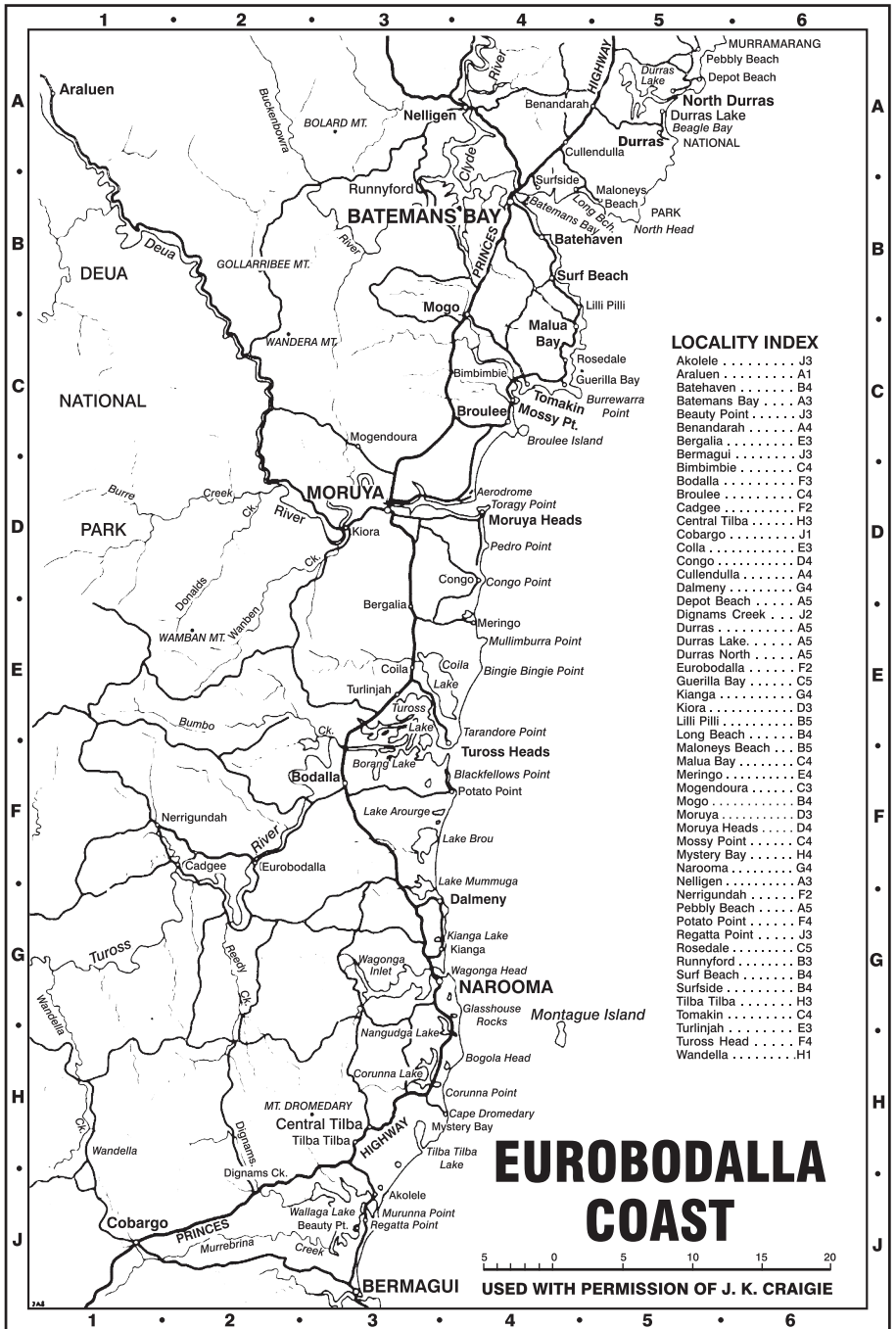


NATURE IN EUROBODALLA

Number 27 (2012)



Compiled by D Kay and J Morgan



EUROBODALLA NATURAL HISTORY SOCIETY

ANNUAL RECORD FOR 2012

The objects of the Society are to:

- Foster and encourage the study, enjoyment and conservation of the natural environment of the area;
- Arrange indoor meetings and field excursions for these ends;
- Encourage and train members in the keeping of records of the wildlife of the area;
- Prepare reports of these records from time to time;
- Liaise with other societies, organizations and individuals with similar interests.

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Cover: Juvenile Gould's Petrel *Pterodroma leucoptera* hatched at Montagu Is.
Photo P Fullagar.

Date of Issue: November 2013

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INTRODUCTION

It is a pleasure to introduce the 2nd *Nature in Eurobodalla*, a report on the status of the fauna of the Eurobodalla Shire compiled from records submitted to the Eurobodalla Natural History Society during 2012. A map of the Shire is reproduced inside the front cover and a list of place name abbreviations used appears on the back page.

Weather-wise 2012 produced a cool wet start to the year followed by a dry winter, a wet October and a warm dry finish. Rainfall across the Eurobodalla was close to the long term average. March was generally the wettest month with 272mm at Comerang, and 319mm at Mystery Bay, although Burrewarra Point had its highest monthly total, 219mm, in February. August was the driest month with 3mm at Moruya and 4mm at Comerang.

The most notable feature of the year was the prolonged and profuse flowering of Spotted Gums through the autumn and early winter. As a consequence of this mass flowering, many of the blossom and nectar feeding species that often leave the Shire in winter remained in significant numbers throughout the year. In addition, many of the species which migrate to the Shire in winter were recorded in much higher numbers than previously. The most notable of this latter group is the Swift Parrot, with the largest number of the species ever recorded in the one location being observed by members of the Society in the Bodalla State Forest in August. This gathering of up to 1200 birds represented more than half of the estimated total population of the species.

As in most previous years, in 2012 we received reports of a number of rare and unusual species being sighted in the Shire. Of particular significance was the report of a pair of Gould's Petrel, found nesting at Montagu Island in October. The species was previously only known to breed on a few islands off Port Stephens on the NSW Central Coast. In mid-November it was confirmed that the pair on Montagu had laid an egg and in late January 2013 a chick (pictured on the front cover) had hatched. Other noteworthy sightings include six Banded Lapwing at Bermagui in March, a Spotted Harrier at Tuross in May, five Gull-billed Tern at Cullendulla Creek in July, a Great Crested Grebe at Wallaga Lake and a Pied Heron at Moruya in September, plus an Australian Painted Snipe at Eurobodalla Rd and a

Tawny Grassbird at Maulbrooks Rd in December.

As noted in previous years, the records reflect the distribution of observers and their interests as much as the distribution of the fauna. In 2012 many Society members participated actively in the Swift Parrot surveys organised by BirdLife Australia and in the Shorebird surveys organised by the NSW NPWS. The former provided an increased number of reports from the forested areas in the west of the Shire, which in past years have had less comprehensive coverage, whilst the latter ensured that the coastal strip from Durras to Bermagui was extensively surveyed over a period of many months. Unfortunately, due to inclement weather no off-shore field trips were undertaken during the year and records of pelagic species are therefore primarily from land-based observations. Despite some shortcomings the records do provide a valuable qualitative assessment of the status of species in the Shire, enabling trends over the years to be evaluated.

As in previous years, the vertebrate taxonomic sequence basically follows Clayton *et al* (2006), with the listing of birds following the BirdLife Australia checklist based on Christides and Boles (2008). This year, in order to save space, the listing of birds has been restricted to those species recorded during the year; species not recorded are not listed. An annotated list of all the bird species recorded in the Eurobodalla since the inception of the Society in 1986 is now available on the Society's website (www.enhs.org.au) and will be updated regularly with new sightings. It therefore seems unnecessary to reproduce the list of vagrants and rarely sighted species in this publication.

Once again, our thanks go out to all contributors who have made this report possible. A complete list of those who have contributed their observations during the year appears on the final page. Thanks also go to Peter Fullagar *et al* for the 5th Annual Assessment of Shearwater Breeding on Montagu Island and Julie Morgan *et al* for the paper on the Swift Parrot.

David Kay
Chair ENHS.
October 2013

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BIRDS

CASUARIIDAE Emu

Emu *Dromaius novaehollandiae*

Status: introduced in 1993, small wild population established.

Seven at TS estuary on 3 Apr, 6 on 20 Mar, 1-4 in Jan-Feb, Aug, Oct-Nov; 5 at PP on 6-7 May, 2 on 10 May. No breeding recorded.

PHASIANIDAE Quail, pheasants.

Stubble Quail *Coturnix pectoralis*

Status: uncommon breeding resident.

Forty at Com in Jan, 20-30 in other months; 2 at Belowra on 24 Jan.

Breeding: dependent young at Com in Jan-Mar, juveniles in Jan-Feb, Apr, Dec. (JC)

Brown Quail *Coturnix ypsilophora*

Status: uncommon breeding resident.

Two at Com in Jan-Mar, 1 in Dec; 1 in Bergalia on 11 Oct. No breeding recorded.

Indian Peafowl *Pavo cristatus*

Status: presumed aviary escape.

Calls reported at PS on 4 Dec. (JM)

ANATIDAE Swan, ducks

Musk Duck *Biziura lobata*

Status: uncommon breeding resident.

Up to 8 at PS in Dec, 5 in Jul, 1-3 most other months; 3 at Long Swamp on 26 Feb; 1 at Nargal L on 11 Jan.

Breeding: three juveniles at PS in Dec. (JM)

Freckled Duck *Stictonetta naevosa*

Status: Vulnerable (NSW Schedule 2); vagrant.

One recorded at BI on 8 Nov. (D Adams)

Black Swan *Cygnus atratus*

Status: common breeding resident and bird of passage.

Widely reported throughout the year; 300 at WL on 5 Jan; 80 at MO on 25 Nov; 46 at TS estuary on 14 Feb; 40 at OMBS in Dec; 30 at MB on 27 Mar, at MHS on 28 Jun, at Trunketabella on 30 Jul; no more than 25 at other locations.

Breeding: nesting in May-Jul and Oct, cygnets in Jan-Feb, Oct-Dec.

Australian Shelduck *Tadorna tadornoides*

Status: vagrant.

One female at Com on 23 Nov. (JC)

Australian Wood Duck *Chenonetta jubata*

Status: common breeding resident.

Widely reported throughout the year; 200 at Com in Sep, 50-120 in other months; 100 at Belowra in May, 80 in Nov; up to 50 at MYA in most months; no more than 40 at other locations.

Breeding: dependent young in Apr, Sep-Dec.

Pink-eared Duck *Malacorhynchus membranaceus*

Status: vagrant.

Fourteen at Coopers Is on 14 Jan; 5 at Com on 6 Jul, 2 on 18 Jul and 9 Dec, one on 30 May-1 Jun. (MC/JC)

Australasian Shoveler *Anas rhynchos*

Status: uncommon winter migrant, has bred.

Up to 9 at Com in early Jul, 1-2 in Jun, 2 on 24 Aug. No breeding recorded. (JC)

Grey Teal *Anas gracilis*

Status: breeding resident.

Up to 500 at Coopers Is on 14 Jan; 80 at Trunketabella on 14 May, 40 on 31 Mar; 50 at PS on 14 Jan; 30 at Com in Dec, 10-20 in other months; 15 at MO on 25 Nov; 10 at BBWG on 2 Feb; no more than 10 at other locations. No breeding recorded.

Chestnut Teal *Anas castanea*

Status: common breeding resident.

Widely reported throughout the year; 500 at Coopers Is on 14 Jan; 100-150 at Com in May-Nov, 50-80 in other months; 150 at PS on 14 Jan, 20-30 in Feb; 40 at BBWG on 16 Jul, 30 on 2 Feb; 25 at MO on 25 Nov; 24 at TS on 24 Oct; no more than 20 at other locations.

Breeding: dependent young at Com in May. (JC)

Northern Mallard *Anas platyrhynchos*

Status: vagrant.

One (hybrid) at BBWG on 2 Feb. (JC/GM/JM)

Pacific Black Duck *Anas superciliosa*

Status: common breeding resident.

Widely reported throughout the year; 400 at Com in Jul, 300 in Aug, 50-250 in other months; 40 at PS in Jan-Feb; 20 at BBWG on 2 Feb; 15 at MO on 25 Nov; 14 at Belowra on 22 Apr; no more than 10 at other locations. Breeding: dependent young at Com in Nov, at PS in Dec. (JC/JM)

Hardhead *Aythya australis*

Status: common resident and bird of passage.

Up to 45 at Com in Jul, 25-40 in May-Jun and Aug-Sep; 40 at Coopers Is on 14 Jan; 30 at Nargal L on 11 Jan; 6 at Trunketabella in Jul; no more than 2 at other locations. No breeding recorded.

PODICIPEDIDAE Grebes

Australasian Grebe *Tachybaptus novaehollandiae*

Status: common breeding resident.

Twenty at PS on 31 Aug, 8-12 most other months; 12 at Com in May, 6-10 in other months; 8 at Trunketabella on 31 Mar; 6 at Belowra on 22 Apr, at TS on 29 May, at OMBS in Nov-Dec; no more than 5 at other locations. Breeding: nesting at Com and Belowra in Mar, dependent young at Belowra in Apr, at PS in Dec. (JC/JM)

Hoary-headed Grebe *Poliiocephalus poliocephalus*

Status: breeding resident.

More than 100 at Long Swamp on 26 Feb; 12 at PS on 16 Sep, 9 in Aug and Dec; 8 at Mummaga L on 8 Sep; 6 at BI on 8 Mar; 5 at Corunna L on 13 Aug; 2 at Bevian Rd on 3 Jan; 1 at MO on 25 Nov. No breeding recorded.

Great Crested Grebe *Podiceps cristatus*

Status: vagrant.

One in full breeding plumage at WL on 11 Sep. (D Adams)

COLUMBIDAE Pigeons, doves

Rock Dove *Columba livia*

Status: common breeding resident.

Established colonies at BB, MYA, NA, TS River bridge; maxima: 50 at MYA on 28 Mar, at TS River on 29 Jun; 40 at NA in Jul; 2 at Com in Sep-Dec.

Breeding: nesting at MYA in Mar, at Com in Oct. (BA/JC)

White-headed Pigeon *Columba leucomela*

Status: common breeding resident.

Widely recorded in all months; 25 at MKS in Oct, 24 in Feb, 20 in Jan; 20 at TS in May-Jun; 15 at Pedro in Feb, 8 in Mar; 6 at BP in May, at NA in Dec; no more than 5 at other locations. No breeding recorded.

Spotted Dove *Streptopelia chinensis*

Status: breeding resident.

Up to 6 at MB in Feb, Jul and Sep, 1-4 in all other months; 5 at BI in Mar and Jun; 4 at MYA Feb-Apr; 2 at TS in Jan-Apr, at BP on 22 Mar; 1 at Long Beach in Apr, at Com in Oct. No breeding recorded.

Brown Cuckoo-Dove *Macropygia amboinensis*

Status: uncommon breeding resident and bird of passage.

Eleven at NA on 9 Apr, 10 in Jan, 8 in Aug; 1-2 or calls at MKS in Jan-Mar, Aug, Oct-Nov, at Com in Feb, Aug, Oct, at Pedro and Long Beach in Jan, at PS in Feb, at DS and Bergalia in Jul, at Deua NP and Akolele in Sep and at Coolagolite in Nov. No breeding recorded.

Common Bronzewing *Phaps chalcoptera*

Status: common breeding resident.

Widely recorded in all months, 1-4 at most locations; 18 at Pedro in Jan, 17 in Feb-Mar; 16 at MKS in Apr, 15 in Dec; 15 at Com in Dec, 14 in Nov; 8 at PS in Dec; no more than 6 at other locations.

Breeding: nesting at Com in Sep, juvenile at PS in Dec. (JC/JM)

Crested Pigeon *Ocyphaps lophotes*

Status: common breeding resident.

Widely recorded in all months; 8-12 at Com throughout the year; 4-10 at MYA in most months; 8 at TS in Oct, at MB in Nov; 5 at BI in Jan, Mar, Jun, at PP in May; no more than 4 at other locations.

Breeding: nesting at Com in Mar, Jun, Aug, Dec, dependent young in Apr, Jul, Sep, Oct. (JC)

Peaceful Dove *Geopelia striata*

Status: breeding resident.

Two at PDD in Jan-Apr and Dec, calls in May; 2 at Com in Feb, 1 in Sep and Nov, calls in Jan. No breeding recorded.

Bar-shouldered Dove *Geopelia humeralis*

Status: uncertain.

Two at Montagu Is on 27 Mar-3 Apr. (PK)

Wonga Pigeon *Leucosarcia picata*

Status: common breeding resident.

Widely recorded in all months; 6 at NA in Jan, at MB in Apr-Jun, Oct-Nov, at Bodalla SF in Aug; 5 at MKS in Feb, 1-4 most other months; 5 at Deua NP in Sep; 4 at MYA SF and Tilba in Jun; 1-3 or calls at other locations. No breeding recorded.

Topknot Pigeon *Lopholaimus antarcticus*

Status: bird of passage.

Thirty at PS on 24 Jan and 20 Feb, 20 on 29 Sep, 18 on 5 Jun; 20 at NA on 2 Jun; 8 at Pedro on 5 Jan, at TS on 15 Oct; 6 at PP on 25 Nov; no more than 5 at other locations.

Breeding: juvenile at Broulee on 11 Jan. (D Rosalky)

PODARGIDAE Frogmouths

Tawny Frogmouth *Podargus strigoides*

Status: breeding resident.

Three at TS in Dec, 2 in Jan, Jul-Sep, 1 in Feb-Mar; singles at OMBS and MB in Jan, at Com in Apr, at Catalina in Oct-Nov, at PS in Dec; calls at MKS in Feb.

Breeding: juvenile at TS in Dec. (JH)

EUROSTOPODIDAE Nightjars

White-throated Nightjar *Eurostopodus mystacalis*

Status: summer breeding migrant.

Three at PS in Jan, 1 in Feb, calls in Nov-Dec; 2 at Pedro in Jan, 1 in Mar; calls at MKS in Feb and Oct, at Mossy Pt in Nov. No breeding recorded.

AEGOTHELIDAE Owlet-nightjars

Australian Owlet-nightjar *Aegotheles cristatus*

Status: breeding resident.

One at Com in all months; calls at MKS in Sep-Oct. No breeding recorded. (JC/SMG)

APODIDAE Swifts

White-throated Needletail *Hirundapus caudacutus*

Status: summer migrant.

Widely reported Jan-Mar and Nov-Dec; up to 100 at PDD on 20 Jan, at TS and MB on 27 Jan; 50 at Bodalla on 3 Feb, at Bingie on 30 Dec; 40 at Pedro on 27 Jan, at Com in Feb, at TS on 13 Feb; 35 at MB in Nov, at PS in Dec, less than 30 at other locations; last record at Com on 22 Mar, first return at MKS on 7 Nov.

OCEANITIDAE Storm Petrels

White-faced Storm-Petrel *Pelagodroma marina*

Status: summer breeding migrant

Colony of 100 at Montagu Is in Oct. (P Fullagar)

DIOMEDEIDAE Albatrosses

Albatross sp.

Twenty off MHS on 29 Jul; 4-6 off Wasp's Head on 3 Jul; 5 off MO on 10 Nov; 2 off MB on 16 Jul; 1 off Broulee Is on 26 Aug.

Black-browed Albatross *Thalassarche melanophris*

Status: Vulnerable (NSW Schedule 2); common winter pelagic.

Eighty off Wasp's Head on 3 Jul; 3 off MHS on 29 Jul; 1 off Montagu Is on 2 Apr. (DB/FM/PK)

Shy Albatross *Thalassarche cauta*

Status: Vulnerable (NSW Schedule 2); common winter pelagic.

Twenty off Wasp's Head on 3 Jul; 1 off BP on 9 Jun and off MHS on 29 Jul. (DB/FM)

Yellow-nosed Albatross *Thalassarche chlororhynchos*

Status: common winter pelagic.

One immature off Montagu Is on 1-2 Apr. (PK)

PROCELLARIIDAE Petrels, shearwaters

Giant Petrel sp.

One juvenile off Wasp's Head on 3 July, off MHS on 29 Jul and off MO on 10 Nov. (DB/FM)

Prion sp.

Hundreds off Wasp's Head on 3 Jul. (DB)

Shearwater sp.

Hundreds flying south off MO on 10 Nov; 20 beachcast on Bengello Beach on 11 Nov. (FM/JM/HR)

Wedge-tailed Shearwater *Ardenna pacifica*

Status: common breeding resident and summer migrant.

Thirty off BP in Jan; small numbers of adults at sea off Montagu Is in Mar-Apr. (JW/ PK)

Breeding: chicks at Montagu Is 27 Mar-3 Apr. (PK)

Short-tailed Shearwater *Ardenna tenuirostris*

Status: common summer breeding migrant.

Small numbers at sea off Montagu Is 27 Mar-3 Apr.

Breeding: chicks at Montagu Is 27 Mar-3 Apr. (PK)

Fluttering Shearwater *Puffinus gavia*

Status: common pelagic.

Four to six off Wasp's Head on 3 Jul; 1 off Montagu Is on 27 Mar. (DB/PK)

Gould's Petrel *Pterodroma leucoptera*

Status: Vulnerable (NSW Schedule 2); rare pelagic.

Two at Montagu Is in Oct-Dec. (MC)

Breeding: One egg in Nov, chick hatched in Jan 2013.

Providence Petrel *Pterodroma solandri*

Status: Vulnerable (NSW Schedule 2); common pelagic.

One (probable) off Mullimburra Pt in Dec. (NM)

Common Diving-Petrel *Pelecanoides urinatrix*

Status: uncommon winter pelagic.

Ten at Wasp's Head on 3 July. (DB)

SPHENISCIDAE Penguins

Little Penguin *Eudyptula minor*

Status: common breeding resident.

One at Mullimburra Pt on 10 Nov, being carried by a White-bellied Sea-Eagle; recorded at Montagu Is on 27 Mar-3 Apr. No breeding recorded.

SULIDAE Gannets, boobies.

Australasian Gannet *Morus serrator*

Status: common winter migrant and bird of passage.

Twenty five at MB in Aug; 20 at TS in May; 20 at BP on 9 Jun, 12 in Mar, 10 in May; 10 at MHS in Jul-Sep; 6 at Broulee Is on 26 Aug; no more than 5 at other locations.

ANHINGIDAE Darter

Australasian Darter *Anhinga novaehollandiae*

Status: breeding resident.

Four at TS estuary on 14 Feb, 3 on 20 Mar, 2 on 3 Apr; 2 at MYA in Jan-Apr; 2 at Com in Feb- Mar, 1 most other months; 2 at MHS on 26 Jul, at Trunketabella on 30 Jul, at PS on 11 Nov; singles at Bevia Rd in Jan, at BI in Mar and Jun, at NA in May, at BB in Jun, at Broulee Is and Punkalla in Aug, at MO in Nov. No breeding recorded.

PHALACROCORACIDAE Cormorants

Little Pied Cormorant *Microcarbo melanoleucos*

Status: common breeding resident.

Widely reported in all months; 50 at TS in Jan, at WL in Feb, at NA in May; 40 at MHS on 16 Feb; 25 at PS in Dec, 20 in Nov; 20 at Mummaga L in Sep; 12 at MB in Jul-Aug, at MYA in Aug; no more than 10 at other locations.

Breeding: dependent young at BBWG in Feb. (JC/GM/JM)

Great Cormorant *Phalacrocorax carbo*

Status: common resident.

Widely reported in all months; 100 at MHS on 16 Aug, 55 on 9 Jul; 70 at Broulee Is on 26 Aug; 50 overflying Bergalia in Aug; 45 at MB in Oct, 30 in Nov; 32 at WL on 10 Oct; 20 at BI in Jan and Mar, at TS on 3 Apr, at MO on 25 Nov; no more than 20 at other locations.

Breeding: juveniles at TS in Mar-Apr. (GR/WN)

Little Black Cormorant *Phalacrocorax sulcirostris*

Status: common resident.

Widely reported in all months; 316 at TS on 24 Oct, up to 200 in Jan, Mar, Aug-Sep; 200 at WL in Feb, at MHS in Oct; 150 at MHN in Oct; 100 at Com in Aug; 40 at MB in Mar; 30 at Mummaga L in Sep, at NA in Nov; no more than 20 at other locations.

Breeding: dependent young at TS on 20 Mar. (GR/WN)

Pied Cormorant *Phalacrocorax varius*

Status: uncommon resident.

Twelve at MB on 27 Mar; up to 10 at BI in Jan, 5 in Mar; 8 at TS on 24 Oct, 1-3 most other months; 8 at NA on 13 Apr, at WL on 10 Oct; singles at MHS on 2 May, at MYA in Jul and Dec, at MO on 10 Nov. No breeding recorded.

PELECANIDAE Pelican

Australian Pelican *Pelecanus conspicillatus*

Status: common resident.

Widely reported in all months; 120 at Coila L on 29 Jul; 80 at TS in Apr, 20-30 most other months; 32 at MB in Apr; 31 at NA on 22 Mar; 20 at BI in Jan, at WL on 26 Feb, overflying Pedro on 15 Mar, at Mummaga L on 8 Sep; no more than 15 at other locations.

ARDEIDAE Bitterns, herons, egrets

White-necked Heron *Ardea pacifica*

Status: breeding resident.

Five at MYA on 11 Aug, 3-4 in Jul, 2-3 in May-Jun and Aug; 4 at Com in Nov-Dec, at OMBS in Dec; 1-2 recorded near wetlands at Bergalia, Broulee, Coolagolite, MB, MKS, Mogo, PS, Rosedale and Trunketabella. No breeding recorded.

Eastern Great Egret *Ardea modesta*

Status: common resident.

Widely recorded in all months, mostly singles; 20 at Nangudga L on 6 Jul, at MB on 4 Aug; 13 at Com on 14 Mar; 10 at TS estuary on 14 Feb; 8 at Central Tilba on 14 Aug; 6 at MYA in Aug; 5 at WI on 5 Jan; no more than 4 at other locations. No breeding recorded.

Intermediate Egret *Ardea intermedia*

Status: uncommon migrant.

Three at PS on 11 Apr, 1 on 5 Aug; singles at TS and MYA in Mar, at Com in Jul-Aug, Oct-Nov, at MHS in Jul-Sep, at NA in Oct-Nov.

Cattle Egret *Ardea ibis*

Status: common autumn-spring migrant.

Up to 100 at MYA on 21 May, 80-90 in Jun-Jul; 38 at Com in Apr; 25 at Bergalia on 20 Aug; no more than 20 at other locations.

Striated Heron *Butorides striata*

Status: uncommon breeding resident.

Five at NA on 12 May, 1 on 3 Jan and 5 May; 2 at TS estuary in Feb-Apr, 1 in May, Aug and Oct; singles at WL on 26 Feb, at Com on 14 Mar and 2 Apr, at MHS on 30 Apr, at MYA on 23 Sep and at Broulee in Nov.

Breeding: juvenile at TS estuary in Feb-Apr. (GR/WN)

Pied Heron *Egretta picata*

Status: vagrant

One reported on the Moruya River on 5 Sep, first record for the Shire. (PL)

White-faced Heron *Egretta novaehollandiae*

Status: common breeding resident.

Widely reported in all months; 45 at Com in Jul, 42 in Jun, 35 in Aug; 41 at TS estuary on 20 Mar, 26 on 24 Oct, 22 on 3 Apr; 20 at Nangudga L on 25 Oct; 14 at MB in Jul-Aug; 13 at PS on 14 Jan, at MHS in Jul; no more than 10 at other locations. No breeding recorded.

Little Egret *Egretta garzetta*

Status: common resident.

Fifteen at MYA on 4 Oct; 14 at Nangudga L on 23 Feb, 12 in Aug, 10 in Jun-Jul; 12 at MB in Jul, 8 in Jun; 7 at NA on 17 Mar, at TS on 24 Oct; 6 at Mummaga L on 8 Sep; no more than 4 at other locations.

Eastern Reef Egret *Egretta sacra*

Status: resident.

Two at Broulee Is on 26 Aug; 1-2 at MB all months except Nov; singles at BP in Feb-May and Nov, at NA in Jan, at TS in Jan and Mar, at Mossy Pt in Nov.

Nankeen Night Heron *Nycticorax caledonicus*

Status: uncommon breeding resident.

Up to 13 at Com in Sep-Dec, 4-8 in most other months; 1 at BBWG on 2 Feb.

Breeding: juveniles at Com in Feb. (JC)

THRESKIORNITHIDAE Ibises, spoonbills

Australian White Ibis *Threskiornis molucca*

Status: common resident and winter-spring migrant.

Up to 50 at MYA on 29 Apr, 20-30 in May; 27 at TS on 11 Jun; 25 at NA on 12 May; 17 at MB on 1 May; no more than 5 at other locations; numbers

lower than previous years.

Straw-necked Ibis *Threskiornis spinicollis*

Status: winter-spring migrant and bird of passage.

Up to 60 at Com in May, 45 in Jul, 30 in Jan-Feb, Dec; 30 at MYA in Jun, Sep; 10 at Bergalia in Jul; not recorded at any other locations.

Royal Spoonbill *Platalea regia*

Status: common resident.

Fifty at TS estuary on 20 Mar; 47 at Com in Apr; 42 at NA on 1 Apr; 30 at Trunketabella on 3 Feb; 20 at MB in May, Jul; 15 at MYA in Sep; 12 at Nangudga L on 25 Oct; no more than 10 at other locations.

ACCIPITRIDAE Osprey, kites, eagles, harriers, goshawks

Eastern Osprey *Pandion cristatus*

Status: Vulnerable (NSW Schedule 2); uncommon migrant.

Singles reported at Broulee on 3 Oct, at Trunketabella on 10 Dec and at P on 22 Dec. (F Anderson/JM)

Black-shouldered Kite *Elanus axillaris*

Status: breeding resident.

Recorded in all months; 2 at Bergalia in Feb, Sep-Oct, at MB in Mar-Apr and Sep, at MYA in May-Jun, at TS in Jun, at Com in Sep; singles several other locations. No breeding recorded.

Square-tailed Kite *Lophoictinia isura*

Status: Vulnerable (NSW Schedule 2); uncommon spring-summer breeding migrant.

Two at CO on 17 Sep; singles at Bingie in Oct, Dec, at Bodalla in Feb, at BP in Feb, Dec, at Long Beach in Jan, at MB in Jan, Apr, Aug, Nov-Dec, at MHS in Aug, at PS in Feb, Aug-Sep and TS in Jan.

Breeding: juvenile at Bodalla on 3 Feb. (JM/MA)

White-bellied Sea-Eagle *Haliaeetus leucogaster*

Status: common breeding resident.

Widely reported throughout the year; 7 at Pebbly Beach in Jul; 6 at TS estuary in Mar, 5 in Jul, 4 in Feb, Oct; 5 at Montagu Is in Mar-Apr; 4 at BP in Feb, at MB in Feb, Apr, Jun-Aug, Oct, Dec, at NA in May, at Bingie in Oct; no more than 3 at other locations.

Breeding: nesting at TS in Sep, juveniles and immatures year round.

Whistling Kite *Haliastur sphenurus*

Status: breeding resident.

Widely reported in all months; 4 at TS estuary on 14 Feb, 3 on 24 Oct; 4 at Trunketabella on 30 Jul; 3 at NA on 12 May, at Com in Jun-Jul and Oct-Dec; no more than 2 at other locations.

Breeding: nesting in Aug-Sep; dependent young in Oct, juveniles in Oct. (GR/WN/JC/JM/FM)

Brown Goshawk *Accipiter fasciatus*

Status: breeding resident.

Four at TS in Jan, 2 in Sep, 1 in May; singles at MKS in Jan, Sep-Nov, at PS in Jan, Mar, May, Aug-Dec, at Com in Mar-Apr, at NA in Mar and May, at CO in Mar, at Bodalla SF in Aug.

Breeding: pair with 3 young at TS in Jan. (GM/JH/WN)

Collared Sparrowhawk *Accipiter cirrocephalus*

Status: breeding resident.

Singles at PS in Jan, Jun-Oct, at MKS in Jan, Sep-Oct, at Com in Jun-Jul, Nov, at PDD in Nov-Dec, at Pedro in Jan, at Eurobodalla Rd in Feb, at ERBG and DY in May, at Bodalla SF in Aug and at Bergalia in Oct. No breeding recorded.

Grey Goshawk *Accipiter novaehollandiae*

Status: breeding resident, both grey and white morph occurring.

Two at TS estuary on 20 Mar; 2 at MB in Jun, 1 in Mar, May, Jul, Sep, Nov; singles at Long Beach in Feb, at Buckenboursa in May, at PDD in Jun and Dec, at Pedro Pt in Jul, at MKS in Aug, at PS in Sep and Dec, at Bergalia in Sep, Nov-Dec, at Bodalla in Oct and at MYA in Nov. No breeding recorded.

Spotted Harrier *Circus assimilis*

Status: Vulnerable (NSW Schedule 2); vagrant.

One photographed at TS on 24 May by J Cornish and seen by several others in the same vicinity on 25 May, 10 and 14 Jun, 9 and 20 Dec; 1 at Com on 8 Dec. First records of the species in the Eurobodalla.

Swamp Harrier *Circus approximans*

Status: breeding resident.

Recorded in all months; 2 at PDD in May and Jul; 1 in Jan-Apr, Jun, Aug; 2 at Barlings Swamp in Mar; singles at PS in Jan, Mar, Jul, Sep, Nov-Dec, at Pedro and OMBS in Jan, at MB in Mar, Sep and Nov, at Montagu Is in

Mar-Apr, at Tilba in Jun, at Com in Jul and Oct, at Coopers Is in Oct and at Broulee in Nov.

Breeding: juveniles at PDD in Mar and at Broulee in Nov. (BA/JM)

Wedge-tailed Eagle *Aquila audax*

Status: common breeding resident.

Widely reported across the Shire in all months; 3 at Eurobodalla Rd on 23 Mar; no more than 2 elsewhere and most records of single birds.

Breeding: juveniles at Brou L in Mar and at PS in Oct-Nov. (MA/AC/JM)

Little Eagle *Hieraaetus morphnoides*

Status: Vulnerable (NSW Schedule 2); uncommon breeding resident.

Single birds reported at BP on 30 Jan, at Bergalia on 15 Mar, at PS in Apr, at TS on 2 Apr, at MYA on 17-21 Oct and at MO on 24 Nov. No breeding recorded.

FALCONIDAE Kestrel, hobby, falcons

Nankeen Kestrel *Falco cenchroides*

Status: common breeding resident.

Reported throughout the year; 5 at MYA on 15 Jan, 4 on 21 Dec, 1-3 in other months; 4 at TS on 14 Feb, 2 on 14 Apr; 2 at Com in Jan, at Bergalia and PS in Feb, at Montagu Is in Mar-Apr, at MB in Oct; singles at other locations.

Breeding: nesting at MYA in Jan. (AM)

Brown Falcon *Falco berigora*

Status: breeding resident.

Recorded in all months; 4 at Com in Jan, 3 in Sep-Dec, 2 in other months; 2 at TS in May-Jun; singles at Bergalia, BP, Long Swamp, MB, PS and Trunketabella.

Breeding: nesting at Com in Jul-Aug, Oct, dependent young in Sep-Oct, Dec, juvenile at TS in Jun. (JC/GM)

Australian Hobby *Falco longipennis*

Status: breeding resident.

Singles reported at TS in Jan and Mar, at PDD in Feb and Nov, at PS in Feb and Jul, at Eurobodalla Rd and MYA in Mar, at Com in Nov-Dec. No breeding recorded.

Black Falcon *Falco subniger*

Status: Vulnerable (NSW Schedule 2): vagrant.

One reported at Trunketabella on 17 and 24 Jun, 9, 13 and 16 Jul. (AC/MA/PHH)

Peregrine Falcon *Falco peregrinus*

Status: uncommon breeding resident.

Recorded in all months; 2 at BP in Jan, 1 in most other months; 2 at Montagu Is in Mar-Apr, at Com on 29 Aug, at Bingie on 22 Oct; singles at Deua NP, MB, MO, NA, PDD, Pedro, PS, and TS. No breeding recorded.

RALLIDAE Rails, crakes, swamphen, moorhen, coot

Purple Swamphen *Porphyrio porphyrio*

Status: common breeding resident.

Recorded in all months; 30 at BBWG on 16 Jul, 12 on 2 Feb; 25 at BI in Aug and Nov, 20 in Feb; 25 at PS in Dec, 19 on 16 Sep; 12 at Catalina in Oct; no more than 6 at other locations.

Breeding: dependent young in Nov-Dec, juveniles in Feb.

Lewin's Rail *Lewinia pectoralis*

Status: rare resident.

Three at Bodalla on 22 and 25 Jan; 1 at NA on 17 Mar. (MA/AC)

Buff-banded Rail *Gallirallus philippensis*

Status: rare breeding resident.

Six at West Flat on 10 Jan; 5 at MYA and TS in Nov; 4 at Montagu Is in Mar-Apr; 3 at Bodalla in Feb; 2 at Com in Jan-Apr, 1 in Oct-Dec; singles at BI, Dignams Ck, Eurobodalla Rd, NA, PP, Turlinjah, and Trunketabella. Breeding: dependent young at West Flat in Jan and at MYA in Nov. (JC/PL)

Baillon's Crake *Porzana pusilla*

Status: vagrant.

One at NA on 23 Feb. (BS)

Australian Spotted Crake *Porzana fluminea*

Status: rare resident.

One at Com 20-31 Jan. (JC)

Spotless Crane *Porzana tabuensis*

Status: rare breeding resident.

Eight at Bodalla on 2 Jan, 3 on 1 Jan; 1 at BBWG on 2 Feb.

Breeding: dependent young at Bodalla in Jan. (MA)

Dusky Moorhen *Gallinula tenebrosa*

Status: uncommon breeding resident.

Recorded in all months; 10 at BI in Jun, 5 in Mar; 9 at Com in Jan-Jun, 5-6 in Jul-Dec; 6 at BBWG on 2 Feb; singles at PS in Jun, Sep, Nov-Dec, at Eurobodalla Rd in Dec. No breeding recorded.

Eurasian Coot *Fulica atra*

Status: common breeding resident.

Recorded in all months; 1100 at Nargal L on 11 Jan, 1000 on 3 Feb; 300 at PS in Dec, 250 in Nov; 200 at OMBS in Dec; 150 at Trunketabella in Jul; 90 at Com in Feb, Aug-Sep; no more than 50 at other locations.

Breeding: juvenile at BBWG on 2 Feb. (JC/GM/JM)

BURHINIDAE Stone-curlews

Bush Stone-curlew *Burhinus grallarius*

Status: Endangered (NSW Schedule 1); vagrant.

One at NA on 3-5 Jan. (AD)

Beach Stone-Curlew *Esacus magnirostris*.

Status: Critically endangered (NSW Schedule 1A); vagrant.

One at WL on 11-12 Nov. (PL)

HAEMATOPODIDAE Oystercatchers

Australian Pied Oystercatcher *Haematopus longirostris*

Status: Endangered (NSW Schedule 1); breeding resident.

Widely reported in all months; 14 at TS in Oct, 12 in Sep, Nov; 10 at WL in Jan-Feb; 10 at NA in Jul, 9 in May; 9 at Long Beach in Mar; 8 at Surfside in Aug; no more than 4 at other locations.

Breeding: nesting in Aug-Oct, dependent young in Jan-Feb, Oct, juveniles in Jan, Mar.

Sooty Oystercatcher *Haematopus fuliginosus*

Status: Vulnerable (NSW Schedule 2); breeding resident.

Reported in all months; 16 at CO on 12 Feb; 14 at MHS in Jul, at Pebbly Beach on 15 Sep; 12 at MB in Apr, 4-10 in other months; 9 at Montagu Is in Mar-Apr; 6 at Broulee in Aug, Oct, at TS in Dec; no more than 5 at other

locations.

Breeding: nesting at Bogola Head in Nov, dependent young at MB in Nov.
(PL/J Lane)

RECURVIROSTRIDAE Stilts

Black-winged Stilt *Himantopus himantopus*

Status: rare autumn-winter migrant and bird of passage.

Five at BI on 16 Mar; 2-3 at Com 19-21 Aug, 1 on 29 Jan. (AD/JC)

CHARADRIIDAE Lapwings, plovers, dotterels

Pacific Golden Plover *Pluvialis fulva*

Status: uncommon bird of passage.

Seven at TS estuary on 20 Mar, 3 on 3 Apr, 2 on 24 Oct, 1 on 14 Feb and 14 Sep; 6 at MB on 27 Jan, 5 in Feb-Mar, 3 on 4 Dec, 2 on 15 Nov, 1 on 29 Oct. (GR/WN/MA/A Morris)

Red-capped Plover *Charadrius ruficapillus*

Status: common breeding resident.

Eighty five at TS estuary on 20 Mar, 30-40 in Feb-Apr; 19 at NA on 8 May; 18 at WL on 26 Feb; 15 at MHS on 18 Jun; 14 at MB on 9 May; no more than 6 at other locations.

Breeding: juveniles at TS estuary on 14 Apr. (GR/WN)

Double-banded Plover *Charadrius bicinctus*

Status: autumn-winter migrant.

Ten at TS on 21 Mar, 8 on 20 Mar, 7 on 3 Apr, 2 on 29 Jul; 5 at CO on 24 Mar. (GR/WN/JH/GM/A Morris)

Black-fronted Dotterel *Elseyaornis melanops*

Status: uncommon breeding resident.

Two at Com in Jan, Sep-Oct, 1 in Dec; 2 at MO on 25 Nov, at Bingie on 12 Dec, 1 at Trunketabella on 21 Jan. No breeding recorded.

Hooded Plover *Thinornis rubricollis*

Status: Critically endangered (NSW Schedule 1A); uncommon breeding resident.

Five at WL on 7 Aug, 2 on 7 Feb, 13 Nov and 11 Dec; 1 at Coila L on 28 Oct. (MA/A Harris)

Breeding: one juvenile at WL on 5 Aug. (MA)

Banded Lapwing *Vanellus tricolor*

Status: vagrant

Six recorded at BI on 3-10 Mar. (AD)

Masked Lapwing *Vanellus miles*

Status: common breeding resident.

Widely reported in all months, usually pairs or small parties up to 6; 50 at Com in Jun, 40 in May, 30 in Feb-Apr; 16 at TS in Oct, 13 in Feb; no more than 8 at other locations.

Breeding: nesting in Jul- Aug, Nov, dependent young in Jan, Oct.

SCOLOPACIDAE Snipe, sandpipers and allies

Australian Painted Snipe *Rostratula australis*

Status: Endangered (NSW Schedule 1): vagrant.

One recorded at Eurobodalla Rd on 30 Dec. (WN)

Latham's Snipe *Gallinago hardwickii*

Status: uncommon summer migrant.

Four at Eurobodalla Rd on 20 Dec, singles at Com on 28 Nov, 11 and 21 Dec. (WN/JC)

Bar-tailed Godwit *Limosa lapponica*

Status: common summer migrant, some overwinter.

Two hundred and forty eight at NA on 23 Mar, 100-150 in Jan-Feb, Oct-Nov; 18 at WL in Nov; 17 at TS estuary in Jan, 12-14 in Feb-Apr; 5 at MHS in Sep; 4 at MB in May; birds in breeding plumage in Mar.

Whimbrel *Numenius phaeopus*

Status: summer migrant.

Eleven at MHS on 24 Mar, 1 in Jul, Sep; 3 at TS estuary on 3 Apr, 2 in Feb, Sep-Oct; 3 at WL on 7 Feb; 2 at NA on 22 Jun, 1 in Feb, Oct.

Eastern Curlew *Numenius madagascariensis*

Status: common summer migrant, some overwinter.

Recorded all months except May; 25 at MHS on 31 Dec, 20 in Sep; 25 at TS estuary on 12 Jan, 8 in Nov; no more than 6 at other locations. No breeding recorded.

Common Sandpiper *Actitis hypoleucos*

Status: uncommon summer migrant and bird of passage.

Singles recorded at MB on 12 Feb, 22 and 26 Mar. (MA/A Morris)

Grey-tailed Tattler *Tringa brevipes*

Status: uncommon summer migrant and bird of passage.

Singles recorded at MB on 25 Mar, 19 Apr, 29 Oct and 2 Nov. (MA)

Wandering Tattler *Tringa incana*

Status: rare bird of passage.

One recorded at MB on 14 Feb. (MA)

Common Greenshank *Tringa nebularia*

Status: summer migrant and bird of passage.

Two recorded at TS estuary on 3 Apr. (GR/WN)

Red-necked Stint *Calidris ruficollis*

Status: summer migrant and bird of passage.

Forty at TS estuary on 25 Nov, 18 on 24 Oct, 4 on 14 Feb, 3 on 29 Jul, 1 on 3 Apr. (GR/WM/FM)

Sharp-tailed Sandpiper *Calidris acuminata*

Status: summer migrant and bird of passage.

Four at TS estuary on 24 Oct and 25 Nov, 3 on 14 Sep. (GR/WN/FM)

TURNICIDAE Button-quail

Painted Button-quail *Turnix varius*

Status: uncommon resident, has bred.

Two at PS in Jan and Oct, singles in Jan-Feb, Oct-Dec. (JM)

LARIDAE Gulls, terns

Little Tern *Sternula albifrons*

Status: Endangered (NSW Schedule 1); summer breeding migrant.

Recorded only at TS estuary; 220-230 in Jan, 20 in Oct, 10 in Nov, 10-30 in Dec.

Breeding: nests with eggs in Jan and Dec; 118 fledglings in Jan. (WN)

Fairy Tern *Sternula nereis*

Status: rare summer breeding migrant.

Ten adults at TS estuary in Jan.

Breeding: 6 nests with eggs and 12 fledglings in Jan. (GR/WN)

Gull-billed Tern *Gelochelidon nilotica*

Status: vagrant.

Five at Cullendulla Ck on 2 Jul. (DB)

Caspian Tern *Hydroprogne caspia*

Status: resident and bird of passage.

Recorded all months; 35 at TS estuary on 3 Apr, 20 on 21 Mar; 10 at WL on 7 Feb, 4 on 1 Aug; 8 at NA on 30 Jul; 5 at BI in Mar; 2 at Long Swamp in Feb; 1 at MHS in May, at BP in Jun, at Broulee in Aug.

Breeding: juveniles at Broulee in Aug and TS estuary in Sep. (FM/WN)

White-fronted Tern *Sterna striata*

Status: winter migrant.

One at Wasp's Head on 3 Jul. (DB)

Crested Tern *Thalasseus bergii*

Status: common breeding resident.

Widely reported in all months; 200 at TS estuary on 3 Sep, 57 on 24 Oct; 60 at NA on 12 May, 22 on 18 Oct; 30 at WL in Feb and Oct, 25 on 11 Dec; no more than 20 at other locations.

Breeding: juveniles at TS estuary in Feb and Apr. (GR/WN)

Pacific Gull *Larus pacificus*

Status: uncommon vagrant.

One juvenile at TS in Jul. (GR/WN)

Silver Gull *Chroicocephalus novaehollandiae*

Status: common breeding resident.

Widely reported in all months; 126 at NA on 23 Feb; 100 at MHS on 23 Aug, at MO on 10 Nov; 75 at Long Beach on 21 Mar; 60 at TS estuary on 3 Apr; 50 at Bengello Beach on 2 Feb, at WL on 26 Feb, at BI in Mar; no more than 40 at other locations.

Breeding: juvenile at Montagu Is in Mar-Apr.

CACATUIDAE Cockatoos

Glossy Black-Cockatoo *Calyptorhynchus lathami*

Status: Vulnerable (NSW Schedule 2); breeding resident.

Recorded throughout the year; 6 at MKS in Sep; 5 at PS in Feb; 4 at Boda in Jul; 3 at PDD in Feb, at Long Beach in Mar, at DS and PP in May, in Bergalia Jul-Sep, Dec, at BP in Oct, at MO in Nov; 1-2 or calls at other locations.

Breeding: juveniles at PS in Feb-Mar, Oct-Nov and at PP in May. (MA/DSD/JM)

Yellow-tailed Black-Cockatoo *Calyptorhynchus funereus*

Status: common breeding resident.

Widely recorded in all months; 45 in MYA on 20 Aug; 30 at PS in Jul; 27 at BP in Jan, Nov; 24 at MB in Aug; 20 at TS in Dec 13; at MHS in May; 12 at PP in Jan; no more than 10 at other locations.

Breeding: dependent young at Broulee in Jan, PDD in Nov. (D Rosalky/BA)

Gang-gang Cockatoo *Callocephalon fimbriatum*

Status: Vulnerable (NSW Schedule 2); breeding resident.

Recorded in all months; 20 at Dampier SF on 31 Jan; 15 at Long Beach on 2 Jan, at Broulee on 11 Jan; 13 at Runnyford Rd on 6 Aug; 12 at TS on 7 May; 10 at Pebbly Beach on 2 Aug, at MKS Aug-Sep; no more than 6 at other locations.

Breeding: juvenile at Broulee in Jan. (D Rosalky)

Galah *Eolophus roseicapillus*

Status: common breeding resident.

Widely recorded in all months in pairs, small groups and large flocks; 80 at Com in May; 70 at MB in Apr; 40 at TS in Jan; 30 at Belowra in Apr; 25 at MYA in Jan and Oct; no more than 20 at other locations.

Breeding: nesting at Broulee in Jan and at Com in Jul, Sep-Oct, dependent young at Com in Jan, Aug, Nov and at TS in Nov. (JC/JH)

Long-billed Corella *Cacatua tenuirostris*

Status: rare vagrant.

One recorded at TS on 5 Nov. (JH)

Little Corella *Cacatua sanguinea*

Status: common breeding resident.

Widely recorded in all months in pairs, small groups and large flocks; 250 at MYA on 27 Mar, 140 on 25 Feb; 100 at Com in Apr; 70 at Kianga in Mar, at TS in Dec; 50 at Bengello Beach in Feb-Mar; 40 at MB in Oct, at NA in Dec; no more than 20 at other locations. No breeding recorded.

Sulphur-crested Cockatoo *Cacatua galerita*

Status: common breeding resident.

Widely recorded in all months; 90 at Com in May, 80 in Jun, 60 in Apr, Jul; 30 at MYA in Jan, Sep-Oct; 20 at TS in Jun, at Mogo in Oct; 17 at Belowra in Mar; 12 at Bodalla SF in Aug; no more than 10 at other locations.

Breeding: dependent young at Com in Apr. (JC)

PSITTACIDAE Lorikeets, parrots

Rainbow Lorikeet *Trichoglossus haematodus*

Status: common breeding resident.

Widely recorded in all months; 250 at MB and Bermagui SF in Aug; 200 at PS in Jan, Jun, 150 in Mar, 100 in May, Dec; 100 at BP in Jan, Mar, Dec; 100 at DY in May, at Com in Jun-Aug, at NA in Jul, at Bergalia in Dec; no more than 30 at other locations.

Breeding: nesting at Com in Oct, dependent young at Com in Jan, at PS in Mar. (JC/JM)

Musk Lorikeet *Glossopsitta concinna*

Status: common breeding resident.

Recorded in all months; 700 at Kianga in May; 400 at BI SF in Aug; 300 at DY in May, at Bodalla SF in Aug; 100 at Boyne SF and NA in May, at Fairhaven in Aug; no more than 20 at other locations. No breeding recorded.

Little Lorikeet *Glossopsitta pusilla*

Status: Vulnerable (NSW Schedule 2); resident, has bred.

Three hundred at Boyne SF in May, 100 in Jul; 100 at Central Tilba in Aug; 50 at PDD in Jan, Dec, at Buckenbours Rd in May; 30 at DS in May; 22 at Bodalla in Jun; 20 at Runnyford Rd in Aug; no more than 15 at other locations. No breeding recorded.

Australian King Parrot *Alisterus scapularis*

Status: common breeding resident.

Singles, pairs and small groups widely recorded in all months; 90 at Com in Feb, 30 in Mar; 25 at MKS in Feb, 20 in Mar-Apr, Oct; 25 at MB in Jun; 24 at MYA in Jun; 12 at TS in Mar; no more than 10 at other locations.

Breeding: dependent young in Jan-Mar, Nov-Dec, juveniles in Jan, Mar.

Crimson Rosella *Platycercus elegans*

Status: common breeding resident.

Widely reported in all months, usually in groups up to 6; 22 at Pedro in Jan, 20 in Mar; 20 at PS in Jun, Sep, at Mummaga L in Sep; 15 at MB in Jun; 13 at Monga NP in Apr; 12 at MYA in Feb-Mar, May-Jun, at TS in Feb, Oct; no more than 10 at other locations.

Breeding: dependent young in Dec, juveniles in Jan-Feb, Apr-Jun, Dec.

Eastern Rosella *Platycercus eximius*

Status: breeding resident.

Regularly recorded in all months; 20-30 at Com in most months; 7 at MB in Mar, 6 in May, Jul; 6 at TS in Jan-Jul; 6 at Bodalla in Feb, at MYA in Dec; no more than 4 at other locations.

Breeding: nesting at Com in Oct-Nov, at MYA in Dec, dependent young at Com in Jan, at MYA in Dec. (JC)

Swift Parrot *Lathamus discolor*

Status: Endangered (NSW Schedule 1); uncommon passage migrant.

Up to 1200 at Bodalla SF on 7 Aug, 100-600 on 6-13 Aug; 500 at Central Tilba on 14 Aug; 200 at Boyne SF on 17 May, 50 in Jul-Aug; 100 at Coolagolite on 7 Aug, at BI SF on 20 Aug; 30 at NA on 12 May; 25 at PP and MB on 20 May; less than 20 at other locations from 29 Mar to 10 Sep.

CUCULACIDAE Cuckoos

Eastern Koel *Eudynamys orientalis*

Status: summer breeding migrant.

One, two or calls widely reported Jan-Feb and Oct-Dec; 6 at Broulee in Jan; 3 at MYA in Oct; first return at Broulee on 25 Aug (much earlier than previous year when not reported until 14 Oct); last records at Com, MYA and Pedro in Feb. No breeding recorded.

Channel-billed Cuckoo *Scythrops novaehollandiae*

Status: summer breeding migrant.

Five at MYA on 27 Aug; 4 at MB in Jan, Nov-Dec, at Broulee in Jan; 3 at PS on 4 Jan, at Catalina and OMBS in Nov; 1-2 or calls at other locations; last record at MB on 16 Feb, first return at MYA on 27 Aug. No breeding recorded.

Horsfield's Bronze-Cuckoo *Chalcites basalis*

Status: summer-breeding migrant.

Two at Com in Oct-Dec, 1 in Sep; 1 at Bodalla SF on 23 Mar, at Barlings Beach on 24 Mar; calls at PS in Sep-Nov. No breeding recorded.

Shining Bronze-Cuckoo *Chalcites lucidus*

Status: summer breeding migrant and bird of passage.

Two at Belowra in Nov, 1 in Jan; 2 at Com in Dec, 1 in Jan, Nov; 2 at PDD in Dec; 1 at Bergalia and Box Cutting in Feb, at MKS in Dec; calls at PS in Aug-Dec, at MKS in Oct-Nov, at Broulee in Aug, at Deua NP in Sep, at ERBG and Mogo in Oct. No breeding recorded.

Pallid Cuckoo *Cacomantis pallidus*

Status: summer breeding migrant.

Two at Com in Jan, Oct-Dec, 1 in Sep; 1 at Belowra in Nov-Dec; calls at PS in Mar, Nov, at Mossy Pt in Nov. No breeding recorded.

Fan-tailed Cuckoo *Cacomantis flabelliformis*

Status: common breeding resident.

Recorded in all months; 4 at Deua NP on 19 Sep; 2 at PDD in Jan, Nov-Dec, at BP, Com, TS in Oct and at MO in Nov; other records all of 1 or calls; fewest records in Feb-Mar. No breeding recorded.

Brush Cuckoo *Cacomantis variolosus*

Status: summer breeding migrant.

Two at Com in Nov-Dec, 1 in Jan; 1 at Bevia Rd on 3 Jan, at TS on 19 Nov, at PDD in Nov-Dec; calls at MKS and PS in Jan, Oct-Dec. No breeding recorded.

STRIGIDAE Hawk owls

Powerful Owl *Ninox strenua*

Status: Vulnerable (NSW Schedule 2); breeding resident.

Two calling at PS on 1 Jun, 1 calling in Feb-May; calls at Pedro on 21 Mar, at MKS in Apr and Aug-Sep, at Com in May and Sep, at MB in Nov. No breeding recorded.

Southern Boobook *Ninox novaeseelandiae*

Status: breeding resident.

Two calling at MB in May-Jun, 1 in Sep, Nov; 2 at Bergalia in Sep, 1 in Jan, Mar, Aug-Oct; 2 at OMBS in Nov, 1 in Jan; calls at MKS in Jan-Apr, Aug-Oct, at Coolagolite in Sep-Dec, at Broulee and NA in Jan, at Com and Pedro in Feb-Mar, at PS in May, at PDD in Nov. No breeding recorded.

ALCEDINIDAE Kingfishers

Azure Kingfisher *Ceyx azureus*

Status: breeding resident.

Two at Com throughout the year; 3 at TS in Mar-Apr, 2 in Sep-Oct; 2 at NA in Aug, 1 in Apr; singles at BI in Jan and Mar, at PP in May, Eurobodalla Rd and MKS in Dec. No breeding recorded.

HALCYONIDAE Kookaburras, kingfishers

Laughing Kookaburra *Dacelo novaeguineae*

Status: common breeding resident.

Widely reported in all months as individuals or family groups; 15 at Pedro in Feb, 10 in Mar; 15 at PS in Jul-Aug, 10 in Feb-Mar, Sep, Nov-Dec; 12 at TS in Jul, 10 in May; 10 at MB in Jan, Apr, Jun-Aug, Nov-Dec; 10 at OMBS in Jan, Apr, Dec; no more than 6 elsewhere.

Breeding: nesting in Oct and Dec, dependent young in Jan, Nov-Dec, juveniles in Feb.

Sacred Kingfisher *Todiramphus sanctus*

Status: summer breeding migrant; some may overwinter.

One or two recorded at several sites in Jan-Feb, Oct-Dec; 8 at Com in Jan, 4 in Oct, 6 in Nov-Dec; 7 at PS in Feb, 2-4 in Oct-Dec; 3 at Belowra in Dec, at NA on 12 May, at Bergalia on 25 Sep.

Breeding: nesting in Nov-Dec, dependent young in Jan, juveniles in Feb. (JC/JM/SMG)

CORACIIDAE Dollarbird

Dollarbird *Eurystomus orientalis*

Status: summer breeding migrant.

One to four recorded widely at or near the coast Jan-Feb, Oct-Dec; 8 at Com in Jan, Oct, Dec; 6 at MB in Jan, at MO in Nov; last record at MKS on 19 Feb, first return at Com on 27 Sep.

Breeding: nesting at Com in Nov-Dec, dependent young in Jan, Dec.

MENURIDAE Lyrebirds

Superb Lyrebird *Menura novaehollandiae*

Status: breeding resident.

Recorded in all months; 10 at Boyne SF in May, 6 in Jul-Aug; 7 at MYA SF in Jun; 5 at NA in Jun, 3 in Jan, May; 3 at Murrumurang NP and Pebbly Beach in Jul; 1-2 or calls at other locations. No breeding recorded.

CLIMACTERIDAE Treecreepers

White-throated Treecreeper *Cormobates leucophaea*

Status: common breeding resident.

One or two widely reported in all months; 4-6 at Com most months; 2-4 at PDD most months; 6 at PS in Jul, 5 in Jun; 6 at Bodalla SF and MKS in Aug, at Deua NP in Sep; 5 at MYA SF in Jun; 4 at Broulee in Jan, at Monga NP in Apr; no more than 3 at other locations. No breeding recorded.

Red-browed Treecreeper *Climacteris erythroptera*

Status: uncommon breeding resident.

Three at Broulee on 3 Jan, calls in May; 2 at PS on 16 Apr, at BB on 6 Aug; 1 at PDD on 1 Feb, at MYA SF on 24 Jun, at Bodalla SF in Aug. No breeding recorded.

PTILINORHYNCHIDAE Catbirds, bowerbirds

Green Catbird *Ailuroedus crassirostris*

Status: breeding resident.

One reported at NA (Tebbs Rd) on 3 Oct. (JMG)

Satin Bowerbird *Ptilonorhynchus violaceus*

Status: common breeding resident.

Widely reported in all months, usually one to six; 20 at MB in Mar-Apr and Aug, 10-12 in Jul and Oct-Dec; 20 at Com in Feb, 15 in Oct, 12 in Mar; 15 at DS in Mar; 10 at TS in Mar and May, at Mogo in Oct; no more than 8 at other locations.

Breeding: dependent young at Com in Jan, juveniles at Broulee in Dec.

MALURIDAE Fairy-wrens

Superb Fairy-wren *Malurus cyaneus*

Status: common breeding resident.

Widely reported in all months in family groups up to 10; 30-40 at Com all year; 20-40 at PS all year; 30 at TS in Nov, 20 in Apr; 20 at Belowra in Jan, Mar, Nov-Dec, at ERBG and PP in May, at Broulee in Aug, at PDD and OMBS in Dec; no more than 10 at other locations.

Breeding: nesting in Sep-Dec, dependent young in Jan, Oct-Dec.

Variiegated Fairy-wren *Malurus lamberti*

Status: breeding resident.

Widely reported in all months in family groups up to 10; 50 at PS in Jul, 40 in May, 10-20 most other months; 15 at BP in Feb, 10 in Jan, Mar-Apr; 12 at MB in Dec, 10 in Nov; 10 at MKS in Jan, Dec, at PP in May; less than 10 at other locations.

Breeding: nesting in Jan, Oct-Dec, dependent young in Feb, Dec.

ACANTHIZIDAE Scrubwrens, gerygones, thornbills and allies

Pilotbird *Pycnoptilus floccosus*

Status: uncommon breeding resident.

One at Tilba on 15 Jun, at Boyne SF on 23 Jul; calls at NA on 17 Mar, at Monga NP on 29 Apr. No breeding recorded.

Yellow-throated Scrubwren *Sericornis citreogularis*

Status: uncommon breeding resident.

One male at Currowan Ck in Oct. (IAG)

White-browed Scrubwren *Sericornis frontalis*

Status: common breeding resident.

Widely reported in all months; 20 at Com in Dec, 10-12 in Jan-Feb, Oct-Nov; 10 at PDD in Nov-Dec; 8 at BP in Jan, at MKS in Oct; no more than 6 at other locations.

Breeding; nesting in Dec, dependent young in Jan, Oct-Dec, juveniles at PDD and TS in Jan; at MB in Jul. (BA/JC/MA)

Large-billed Scrubwren *Sericornis magnirostra*

Status: uncommon breeding resident.

Ten at Box Cutting on 11 Feb; 3 at Bodalla SF on 23 Mar, at Monga NP on 29 Apr; 2 at ERBG on 24 Jul; calls at Boyne SF in May and Bodalla SF in Aug. No breeding recorded.

Brown Gerygone *Gerygone mouki*

Status: common breeding resident.

Widely reported in all months; 20 at Boyne SF in May; 12 at MB in Jan and Mar; 10 at PP in May, at PS in Jul, at PDD in Aug; 6 at NA in Mar, at MKS and Com in Aug, at Deua NP and Mummaga L in Sep; no more than 5 at other locations.

Breeding: nesting at MKS in Oct-Nov, dependent young at PDD in Nov. (BA/SMG)

White-throated Gerygone *Gerygone albogularis*

Status: summer breeding migrant.

Four to six at Com in Oct-Dec, 2 in Sep; 3 at Buckenboursa Rd in Sep, at MYA SF in Nov; 2 at Belowra in Jan, Nov-Dec, at NA in Jan; 1 at Trunketabella in Sep; calls at MKS in Jan-Feb, Sep-Dec, at Bodalla in Oct-Dec, at BP and PS in Oct.

Breeding: nesting at Com in Oct. (JC/FM)

Striated Thornbill *Acanthiza lineata*

Status: breeding resident.

Fifty at Boyne SF in May, 20 in Jul; 40 at PS in Jul, Nov, 10-30 in other months; 20 at PDD in Jun-Jul, at Com in Nov; 15 at Mummaga L in Sep; no more than 10 at other locations.

Breeding: nesting in Jul-Oct, dependent young in Sep and Nov.

Yellow Thornbill *Acanthiza nana*

Status: breeding resident.

Thirty at Com in Feb, 10-20 in other months; 30 at TS on 19 May, 14 on 14 Feb; 20 at Monga NP on 29 Apr; 10 at PS in Jul; no more than 8 at other locations.

Breeding: nesting at MKS Oct-Dec, dependent young at PDD in Nov (BA/SMG)

Yellow-rumped Thornbill *Acanthiza chrysorrhoa*

Status: breeding resident.

Forty at Com in Apr, 10-30 in other months; 40 at Belowra in May; 12 at Trunketabella in Jun, at Bergalia in Aug; 10 at MYA in Aug, 4-6 most other months; 7 at TS in Jun; no more than 5 at other locations.

Breeding: nesting at Com in Sep, dependent young in Oct. (JC)

Buff-rumped Thornbill *Acanthiza reguloides*

Status: uncommon breeding resident.

Twenty at Buckenboursa Rd on 20 Sep, 15 on 6 Aug, 8 on 23 Nov; 6 at NA on 12 Aug; 4 at Bodalla SF on 10 Jun. No breeding recorded. (DSD/JM/MA)

Brown Thornbill *Acanthiza pusilla*

Status: common breeding resident.

Widely reported in all months; 100 at Pedro on 22 Mar; 40 at PS in Jul, 10-30 in other months; 20-30 at Com in all months; 30 at TS in Feb, 20 in Mar; 20 at PDD in Jun-Jul, Nov-Dec, at BP in Jun, at Boyne SF in Jul, at Broulee and Bodalla SF in Aug; less than 15 at other locations.

Breeding: nesting in Aug-Nov, dependent young in Jan, Nov-Dec.

PARDALOTIDAE Pardalotes

Spotted Pardalote *Pardalotus punctatus*

Status: common breeding resident.

One, two or calls widely reported in all months; 10 at PS in Sep, 4-6 in Feb-Mar, May-Jun, Aug; 6 at Com on 28 Oct; no more than 3 at other locations.

Breeding: nesting in Aug-Dec. (FM/SMG)

Striated Pardalote *Pardalotus striatus*

Status: breeding resident.

Sixty at PS on 12 Jun, 7 in May, 1-2 or calls most other months; 4 at Com in Oct, 1-3 in Jul-Sep, Nov-Dec; 4 at Central Tilba in Aug; 4 at Belowra in

Nov, 2 in Dec; 1 at NA in Feb; calls at Deua NP in Sep.

Breeding: nesting in Aug-Oct, Dec, dependent young in Nov. (JC/FM)

MELIPHAGIDAE Honeyeaters

Eastern Spinebill *Acanthorhynchus tenuirostris*

Status: common breeding resident.

Widely reported in all months; 20 at ERBG and PP in May, at MKS in Aug; 16 at Boyne SF in Jul; 12 at MB in Jul; 10 at DS in Mar, at BP in Jun, at PS in Jul-Sep, at Bodalla SF in Aug, at Mogo in Oct; less than 10 elsewhere.

Breeding: nesting in Sep-Dec, dependent young in Jan-Feb and Dec, juveniles in Jan-Apr and Dec.

Lewin's Honeyeater *Meliphaga lewinii*

Status: common breeding resident.

Widely reported in all months; 10 at Tilba on 15 Jun; 8 at MB in Jun; 6 at NA in Jan and Jun; 4 at TS in Mar, at Brou L and Mummaga L in May, at Boyne SF in Jul, at Mogo in Oct; no more than 3 at other locations.

Breeding: nesting at MKS in Nov-Dec. (SMG)

Yellow-faced Honeyeater *Lichenostomus chrysops*

Status: common breeding resident and summer migrant.

Widely reported throughout the year; 300 at BI SF in Aug; 200 at Com in Apr, at Boyne SF in May, Jul-Aug, at Bodalla SF in Aug; 130 at DS in Jul; 100 at PP in May, at Tilba in Jun and Aug, at PDD in Jul, at BB and MKS in Aug; less than 100 at other locations.

Breeding: nesting in Jan, Sep-Dec, dependent young in Jan-Feb, Oct and Dec.

White-eared Honeyeater *Lichenostomus leucotis*

Status: autumn-winter migrant.

Reported Apr-Sep, mostly 1-2 or calls; 20 at Boyne SF in May, at Tilba in Jun; 10 at PS in Apr, Jul; 8 at MB in Jul, at Bodalla SF in Aug; 7 at Brou L in May; 5 at MYA SF in Jun, at Boyne SF in Jul; no more than 4 at other locations.

Yellow-tufted Honeyeater *Lichenostomus melanops*

Status: uncommon breeding resident.

Six at Bodalla SF in May, 4 in Aug; 4 at Central Tilba in Aug; 1-2 at MKS in Apr and Aug; 1 at Tilba in Oct. No breeding recorded.

Fuscous Honeyeater *Lichenostomus fuscus*

Status: uncommon winter migrant and bird of passage.

Fifty at Boyne SF in May, 40 in Aug, 10 in Jul; 40 at Buckenboursa Rd and Runnyford Rd in Aug; 12 at DS in Jul; 10 at BB in Aug; 1-2 or calls at other sites Apr-Oct.

Bell Miner *Manorina melanophrys*

Status: common breeding resident.

Over 30 colonies are known from BI to DS, from the coast to about 20km inland, but have not been systematically surveyed in recent years; reports of colonies at Belowra, BI, Bodalla SF, Box Cutting, Com, Coolagolite, DY, Kianga, MB, MYA SF, NA, PP, Tilba, TS estuary and WL. No breeding recorded.

Little Wattlebird *Anthochaera chrysoptera*

Status: common breeding resident.

Reported in all months; 50 at PS in Jan, 10-20 in most other months; 20-30 at BP throughout most of the year; 30 at MHS in Aug, 20 in Sep; 20 at WL in Feb, at MB in Apr and Aug, at PP in May, at DS in Jul, less than 20 at other locations.

Breeding: nesting in Aug, dependent young in Jan-Feb, Aug-Sep, juvenile in Nov.

Regent Honeyeater *Anthochaera phrygia*

Status: Critically endangered (NSW Schedule 1A); rare summer breeding migrant.

Two at PP on 3 and 17 Apr. (WBB)

Red Wattlebird *Anthochaera carunculata*

Status: common breeding resident and bird of passage.

Widely reported in all months; up to 200 at Com on 10 Sep; 150 at BI SF in Aug; 100 at Boyne SF in May, 60 in Jul; 60 at BP in Jan, 40-50 in Feb-May; 50 at PS in Jan and Dec, at DS in May; 40 at Bodalla SF in Aug; no more than 30 at other locations.

Breeding: nesting in Nov, dependent young in Jan, Nov-Dec.

White-fronted Chat *Epthianura albifrons*

Status: Vulnerable (NSW Schedule 2); breeding resident.

Reported only from TS estuary, 10 on 20 Mar, 7 on 24 Oct, 4 on 3 Apr. No breeding recorded. (GR/WN)

Scarlet Honeyeater *Myzomela sanguinolenta*

Status: summer breeding migrant and bird of passage.

Reported in all months; 50 at Boyne SF in May; 20 at PS in Mar, at DS in May; 10 at Com and PDD in Jan and Dec, at Tilba in Jun; no more than 6 at other locations.

Breeding: nesting at MKS in Dec, juveniles at PS in Feb. (SMG/JM)

Tawny-crowned Honeyeater *Glyciphila melanops*

Status: vagrant.

One reported at BBWG on 8 Jan. (DSD)

Crescent Honeyeater *Phylidonyris pyrrhopterus*

Status: uncommon breeding resident, movement to coast in winter.

Twenty at Tilba on 15 Jun; 10 at Bodalla SF in Aug; 8 at Boyne SF in May; 6 at NA in Apr; 5 at MYA SF in Jun; 4 at Monga NP on 29 Apr, at Deua NP on 19 Sep; 1-2 or calls at other locations. No breeding recorded.

New Holland Honeyeater *Phylidonyris novaehollandiae*

Status: common breeding resident.

Widely reported in all months; 100 at ERBG in May; 50 at WL in Feb; 30 at BP in Feb, 20 in Jan; 30 at PDD in Aug, 10-20 most other months; 20 at MB in Apr and Jun, at MKS in Aug; no more than 15 at other locations.

Breeding: nesting in Aug-Sep, Nov, dependent young in Aug-Sep, Dec.

White-cheeked Honeyeater *Phylidonyris niger*

Status: breeding resident in small localised colonies.

Twenty at Tilba on 15 Jun; 10 at Boyne SF on 23 Jul; 6 at Bodalla SF in Aug; 5 at Buckenboursa Rd in Aug; 5 at PDD in Feb, 1-3 most other months; 2 at PS in Apr; 1 at Broulee in Jan. No breeding recorded.

Brown-headed Honeyeater *Melithreptus brevirostris*

Status: uncommon summer breeding migrant.

Recorded in all months; 20 at PS in Jun-Jul, 1-4 most other months; 10 at PDD in Jul; 6 at Com in Jan, 5 in Aug; 6 at MKS in Aug, 4 in Sep; no more than 4 at other locations.

Breeding: nesting in Sep-Oct, dependent young in Oct, Dec. (JC/JM)

White-naped Honeyeater *Melithreptus lunatus*

Status: breeding resident and bird of passage.

Recorded in all months; 200 at PDD on 10 Jul; 100 at Monga NP in Apr, at Boyne SF in May and Aug, at BB, BI SF and MKS in Aug; 80 at PP in

May; 50 at Tilba in Aug; no more than 40 at other locations.
Breeding: nesting at MKS Sep-Dec. (SMG)

Noisy Friarbird *Philemon corniculatus*

Status: summer breeding migrant and bird of passage, often overwinters.
Widely reported throughout the year; 100 at Boyne SF in May, 50 in Aug;
50 at PDD in Aug, 30 in May; 50 at PS in Dec, 10-30 most other months;
30 at DS in May; no more than 20 at other locations.
Breeding: nesting in Sep-Dec, dependent young in Jan and Nov-Dec.

Painted Honeyeater *Grantiella picta*

Status: Vulnerable (NSW Schedule 2): vagrant.
One reported at Wandera SF on 28 Aug and at MO on 21 Sep.
(V Place/RC)

EUPETIDAE Whipbird, Spotted Quail-thrush

Spotted Quail-thrush *Cinclosoma punctatum*

Status: breeding resident.

Nine at Deua NP on 14 Sep; 3 at Belowra Rd on 29 May; 2 at Nerrigundah
on 27 Mar; singles at MYA SF in Feb, Jun, Aug and Oct, at PS in Apr, Jul,
Sep and Dec, at NA in Apr, at Benandarah SF in Jul, at Buckenbours Rd
in Aug. No breeding recorded.

Eastern Whipbird *Psophodes olivaceus*

Status: common breeding resident.

Widely reported in all months; 13 at BI SF on 20 Aug; 10 at Boyne SF in
Jul-Aug; 10 at MB in Dec, 8 in Mar; 8 at BP in Jan-Feb, 6 in Mar and May;
no more than 4 at other locations.

Breeding: juveniles at TS in May, at MB in Nov. (JH/MA)

NEOSITTIDAE Varied Sittella

Varied Sittella *Daphoenositta chrysoptera*

Status: Vulnerable (NSW Schedule 2); breeding resident.

Recorded in all months; 15 at Bodalla SF on 11 Mar; 12 at Com in Jul, 9
in Aug-Oct; 11 at CO in Mar; 10 at PP in May, at Bingie in Jul; 8 at Monga
NP in Apr, at PS in Aug; 7 at PPD in Mar; no more than 4 at other location
Breeding: nesting at Com in Oct. (JC/FM)

CAMPEPHAGIDAE Cicadabird, cuckoo-shrikes, triller
Black-faced Cuckoo-shrike *Coracina novaehollandiae*

Status: common breeding resident.

Widely reported, usually one or two; 7 at Belowra on 19 Mar; 6 at PS in Jan, at TS estuary in Feb, at MB in Jun; 5 at Pedro in Feb, at Com in Dec; no more than 4 at other locations.

Breeding: dependent young in Jan-Feb and Dec, juveniles in Feb.

White-bellied Cuckoo-shrike *Coracina papuensis*

Status: uncommon breeding resident and bird of passage.

Recorded in all months; 5 at PS in Feb, 2 in Apr, 1 most other months; 1-2 at MYA in Mar-Apr and Dec, at Com in Apr, Sep-Oct; singles at Box Cutting in Feb, at PP in May, at Runnyford Rd and PDD in Aug, at MO in Nov; calls at MKS in Jan, Sep-Nov, at NA in May.

Breeding: dependent young and juveniles at PS in Feb. (JM)

Cicadabird *Coracina tenuirostris*

Status: summer breeding migrant.

Four at PS in Dec, 3 in Jan, 1-2 in Feb and Nov; 2 at PDD in Feb, at DS in Mar; 1 at Pedro in Jan; calls at MKS in Jan-Feb, Oct-Dec, at Com in Dec.

Breeding: juvenile at DS on 25 Mar. (FM)

White-winged Triller *Lalage sueurii*

Status: summer breeding migrant.

Twelve at Belowra on 2 Dec, 7 on 4 Nov; 6 at Com in Nov, 4 in Jan, Oct and Dec; 4 at Buckenboursa Rd in Sep; 1 at PDD in Dec.

Breeding: dependent young at Com in Jan. (JC)

PACHYCEPHALIDAE Whistlers and allies

Crested Shrike-tit *Falcunculus frontatus*

Status: breeding resident.

Two at MKS in Jan, Sep-Oct, 1 in Aug and Dec; singles at NA in Jan, at PDD in Apr and Aug, at Monga NP in Apr, at MYA SF in Jun; calls at PDD in Feb, at PS in Apr and Jul, at NA in Oct.

Breeding: nesting at MKS in Oct. (SMG)

Olive Whistler *Pachycephala olivacea*

Status: Vulnerable (NSW Schedule 2); uncommon breeding resident.

Call at Monga NP on 29 Apr. (FM)

Golden Whistler *Pachycephala pectoralis*

Status: common breeding resident.

Widely reported in all months; 10 at Mogo on 13 Oct; 8 at MB in Dec; 6 at MKS in Jan and Dec, at Com in Mar, at PDD in Apr and Nov, at PS in May, at MYA SF in Sep; no more than 4 at other locations.

Breeding: nesting in Nov, juveniles in Jan-Mar, Nov.

Rufous Whistler *Pachycephala rufiventris*

Status: summer breeding migrant.

Most records Jan-Apr and Sep-Dec, although 1 at PDD on 7 Jul, usually 1 or 4 or calls; 12 at Belowra in Nov-Dec; 10 at PS in Dec, 6 in Nov; 9 at Com in Dec, 8 in Jan and Nov; 8 at MKS in Dec; 5 at Buckenbours Rd in Nov; no more than 4 at other locations.

Breeding: nesting in Oct-Dec, dependent young in Jan and Dec.

Grey Shrike-thrush *Colluricincla harmonica*

Status: common breeding resident.

Widely reported in all months, usually 1 or 2; 8 at Com in May, 6 in Jun and Aug; 6 at PS in May; 5 at MB in Jan; 4 at Belowra in Apr, at MKS in Aug-Nov; no more than 3 at other locations.

Breeding: nesting in Oct-Nov, dependent young in Jan, Nov, juvenile in Dec. (MA/JC/SMG)

ORIOLIDAE Figbird, oriole

Australasian Figbird *Sphecotheres vieilloti*

Status: breeding resident and summer breeding migrant.

Recorded in all months; 10 at MYA in Mar, Oct-Dec, 4 in Jan and Sep, calls in most other months; 3 at BP in Feb; 2 at TS in Feb, 1 in Sep, calls in Oct-Nov; 2 at NA in May; singles at BI in Jan, at PS in Feb.

Breeding: dependent young at TS in Feb, juvenile at BP in Feb. (GR/WN/JW)

Olive-backed Oriole *Oriolus sagittatus*

Status: summer breeding migrant; some overwinter.

Reported all year, usually 1-2 or calls; 5 at PS in Jan, 4 in Jul-Dec; 3 at Buckenbours Rd and MO in Nov, at Com in Dec; no more than 2 at other locations.

Breeding: juveniles in Jan-Feb, Apr and Dec. (BA/JC/JM)

ARTAMIDAE Butcherbird, magpie, currawongs, woodswallows
White-breasted Woodswallow *Artamus leucorhynchus*

Status: uncertain.

Up to 11 at PS regularly in Mar, 2-3 in Oct, 1 in Nov; 4-6 at MHN on 3-4 Feb. (JM/H Perkins)

Masked Woodswallow *Artamus personatus*

Status: vagrant.

Thirteen at PS on 25 Oct; 1 at Montagu Is in Oct. (JM/MC)

White-browed Woodswallow *Artamus superciliosus*

Status: vagrant.

Two at PS on 25 Oct. (JM)

Dusky Woodswallow *Artamus cyanopterus*

Status: summer breeding migrant.

Seventeen at Eurobodalla Rd in Mar; 10 at PDD in Feb, 7 in May, 6 in Jan; 8 at Belowra in Mar; 6 at MB in Jan, at MYA SF in Jul; 4 at PS in Apr, at Bengello Beach in Nov; 2 at Bergalia and MB in Oct.

Breeding: dependent young at PDD in Jan-Feb, juveniles at Belowra in Mar. (BA/JC)

Grey Butcherbird *Cracticus torquatus*

Status: common breeding resident.

One or two at most localities throughout year; 8 at MB in Apr, 6 in Feb; 7 at TS in Apr, 5 in Mar; 6 at PS in Jan, Apr and Dec, 5 in Feb-Mar; 4-6 at Com all year; no more than 4 at other locations.

Breeding: nesting in Aug-Sep, dependent young in Jan, Oct-Dec, juveniles in Feb-Mar, Dec.

Australian Magpie *Cracticus tibicen*

Status: common breeding resident.

Widely reported throughout the year; 30-60 at Com all year; 25 at MB in Jun; 20 at MYA in Jan, 10-15 in other months; 20 at OMBS in Apr, Nov-Dec; no more than 15 at other locations.

Breeding: nesting in Jun-Oct, dependent young in Jan-Feb, Oct-Dec, juveniles in Feb, Dec.

Pied Currawong *Strepera graculina*

Status: common breeding resident.

Widely reported all year; 50 at PS in May, 30 in Jun-Aug, 20 in Mar, Sep;

37 at BP on 26 May; 19 at Broulee on 26 Aug; 18 at Bodalla on 11 Jun; 15 at MKS and Mummaga L in Sep; less than 15 at other locations. Breeding: nesting in Sep-Nov, dependent young in Jan-Feb, Nov-Dec juveniles in Jan.

Grey Currawong *Strepera versicolor*

Status: uncommon resident and winter migrant to coast.
Three at Monga NP on 29 Apr. (FM)

DICRURIDAE Spangled Drongo
Spangled Drongo *Dicrurus bracteatus*

Status: uncommon migrant.
One at Broulee on 21 Jan; call at BP on 24 Mar. (MA/A Morris)

RHIPIDURIDAE Fantails
Rufous Fantail *Rhipidura rufifrons*

Status: summer breeding migrant.
Recorded Jan-Apr and Oct-Dec; 5 at TS in Mar; 3 at Box Cutting in Feb; 2 at NA in Jan, at PS in Feb-Mar, at Pedro in Feb, at DS in Mar, at MKS in Oct-Dec, at MYA SF in Nov; 1 or calls at other locations; last report at PS on 22 Apr and first return at MKS on 13 Oct.
Breeding: nesting at MKS in Nov. (SMG)

Grey Fantail *Rhipidura albiscapa*

Status: common breeding resident.
Widely reported throughout the year; 30 at Com in Feb-Mar, 10-20 in other months; 30 at Mogo in Oct; 20 at PS in Apr; 13 at Belowra in Mar; 12 at TS in Oct; 10 at NA and PDD in Jan, at MYA SF in Jun and Sep, at Deua NP in Sep, at MKS in Oct; no more than 8 at other locations.
Breeding: nesting in Sep-Nov, dependent young in Jan, Nov-Dec, juveniles in Apr.

Willie Wagtail *Rhipidura leucophrys*

Status: common breeding resident.
Widely reported in all months, 1-4 at most sites; 10-20 resident at Com throughout the year; 16 at Belowra in Apr, 10 in Jan; 6-8 at MYA all year; 6 at TS in Apr, at MB in Dec; no more than 5 at other locations.
Breeding: nesting in Sep-Dec, dependent young in Nov-Dec.

CORVIDAE Ravens

Australian Raven *Corvus coronoides*

Status: common breeding resident.

Widely reported throughout the year, 1-6 at most locations; 60 at Com in Feb, 10-30 most other months; 54 at MHS in Dec; 22 at Belowra on 24 Jan; 20 at Tilba L in Jan; 12 at MB in Mar and Jul; 10 at PS in Jan, at OMBS in Dec; no more than 8 at other locations.

Breeding: dependent young at Com in Dec, juveniles at PS in Jan and MHS in Dec. (JC/JM)

Little Raven *Corvus mellori*

Status: uncommon resident and winter migrant to coast.

Fifty five at Com on 16 Apr, 40 in Jul, 30 in Jun, 20 in Feb; 2 at Boyne SF on 2 Aug. No breeding recorded.

MONARCHIDAE Monarchs, flycatchers.

Leaden Flycatcher *Myiagra rubecula*

Status: summer breeding migrant.

Recorded Jan-Feb and Sep-Dec; 6 at PS in Dec, 4 in Nov and Jan; 5 at Pedro in Jan, 4 in Feb; 3 at PDD in Dec, 2 in Nov; 2 at Bergalia in Feb and Oct; 1 at MO in Nov, at ERBG in Dec; calls at MKS in Jan-Feb and Sep-Dec, at Mummaga L in Sep, at BP in Nov, at MB in Dec.

Breeding: nesting at MKS in Nov, juvenile at PS in Jan. (SMG/JM)

Satin Flycatcher *Myiagra cyanoleuca*

Status: vagrant.

One call recorded at Montagu Is in Oct. (MC)

Restless Flycatcher *Myiagra inquieta*

Status: breeding resident and winter migrant to coast.

Five at Com in Dec, 2 in Sep-Nov, 1 in all other months; 1 at Belowra in Jan, Mar-May, Nov-Dec; 1 at TS in Apr, at Bingie and Tilba in Jun.

Breeding: nesting at Com in Oct-Nov, dependent young in Dec. (JC)

Black-faced Monarch *Monarcha melanopsis*

Status: summer breeding migrant.

Recorded in Jan-Mar, Sep-Dec; 2 at MB and Com in Feb, at MYA in Oct, at MYA SF in Nov; singles at PDD in Jan, Nov-Dec, at PS in Jan, Box Cutting in Feb, TS in Mar, NA in Oct and Coolagolite in Dec.

Breeding: juveniles at PS in Jan, at TS in Mar. (JM/JH/GM)

Maggie-lark *Grallina cyanoleuca*

Status: common breeding resident.

Widely reported throughout the year; 20 at MYA in Jan, 8-12 in other months; 20 at Com in Nov, 8-14 in other months; 20 at Coila L in May; 14 at MB in Apr, 6-10 in other months; 9 at TS in Feb; no more than 8 at other locations.

Breeding: nesting in Sep-Oct and Dec, dependent young in Oct-Dec.

CORCORACIDAE White-winged Chough

White-winged Chough *Corcorax melanorhamphos*

Status: breeding resident.

Twenty at MYA SF in Feb; 19 at PS in Jul, 14 in May, 13 in Aug; 14 at Pedro in Mar; 13 at Belowra in May, at Coolagolite in Dec; no more than 8 at other locations.

Breeding: juveniles at PS in May, at Belowra in Jul, at CO in Dec.

PETROICIDAE Robins

Jacky Winter *Microeca fascinans*

Status: breeding resident.

Recorded in all months with 1-4 at most locations; 16 at Com in Jun, 8-12 in most other months; 14 at Belowra in May, 9 in Mar; 10 at Buckenboursa Rd on 23 Nov; 6 at TS in Jun; no more than 3 at other locations.

Breeding: dependent young at PDD in Jan-Feb, at Com in Mar. (BA/JC)

Scarlet Robin *Petroica boodang*

Status: Vulnerable (NSW Schedule 2); uncommon breeding resident and winter migrant to coast.

Recorded Mar-Sep; 4 at Belowra on 29 May, 1 in Mar-Apr; 2 at PDD in Apr, 1 in Jun; 2 at Bergalia in Jun-Aug; singles at PS in May, at Buckenboursa Rd in Aug, at Deua NP in Sep. No breeding recorded.

Flame Robin *Petroica phoenicea*

Status: Vulnerable (NSW Schedule 2); rare local breeding resident.

One at Belowra on 29 May and at Deua NP on 23 Sep. (JC/FM)

Rose Robin *Petroica rosea*

Status: uncommon local breeding resident and winter migrant to coast.

Recorded all months; 2 at NA in Jan, at Com in Mar and Aug-Oct, at ERB in May, at MKS in Aug and Oct, at Bodalla in Aug, at Deua NP at Womban in Sep; one or calls at other locations. No breeding recorded.

Eastern Yellow Robin *Eopsaltria australis*

Status: common breeding resident.

Widely reported in all months with 1-4 at most locations; 12 at Monga NP on 29 Apr; 10 at MKS in Aug-Oct and Dec, 6 in Jan; 6-8 at PDD in Jan-Aug; 6 at NA in Jan, at DS in Mar; 5 at MYA SF in Jun; no more than 4 at other locations.

Breeding: nesting in Aug-Dec, dependent young in Jan-Mar and Dec, juveniles in Feb-Apr.

CISTICOLIDAE Cisticolas

Golden-headed Cisticola *Cisticola exilis*

Status: uncommon breeding resident.

Eight at Com in Mar-May, 4 in Nov-Dec, 2 in Jan-Feb and Jul; recorded at Montagu Is in Mar-Apr. No breeding recorded.

(JC/PK)

ACROCEPHALIDAE Reed-Warblers

Australian Reed-Warbler *Acrocephalus australis*

Status: summer breeding migrant.

Four at BBWG in Feb; 3 at PS in Nov, 2 in Dec; 2 at Com in Nov-Dec; singles at Nargal L and PP in Jan, at BI in Jan and Mar. No breeding recorded.

MEGALURIDAE Grassbirds, songlarks

Little Grassbird *Megalurus gramineus*

Status: uncommon resident, probably breeding.

Recorded at Montagu Is in Mar-Apr; 1 at PDD on 24 Dec.

(BA/PK)

Rufous Songlark *Cincloramphus mathewsi*

Status: uncertain.

Six at Com in Nov-Dec, 3 in Oct, 2 in Jan; 6 at Mortfield in Nov; 3 at Belowra in Dec, 2 in Jan and Nov. No breeding recorded. (JC/FM)

Brown Songlark *Cincloramphus cruralis*

Status: vagrant.

One at Com on 2 and 18 Nov. (JC)

TIMALIIDAE Silvereye

Silvereye *Zosterops lateralis*

Status: common summer breeding migrant and bird of passage.

Widely reported in all months; up to 20 at most locations Jan-Feb, hundreds reported at a number of locations in Mar-Aug, numbers reducing to fewer than 20 at most locations Sep-Dec.

Breeding: nesting and dependent young in Nov and Dec. (JC/SMG)

HIRUNDINIDAE Swallows, martins
Welcome Swallow *Hirundo neoxena*

Status: common breeding resident and summer breeding migrant.

Widely reported throughout the year; up to 300 at Barlings Beach in Feb; 100-150 at Com in Feb-Mar; 100 at WL in Feb, at Trunketabella in Jul, at PS in Sep; 50 at TS estuary in Apr; no more than 40 at other locations.

Breeding: nesting in May, Aug-Oct and Dec, dependent young in Jan, Aug-Sep and Nov, juveniles in Feb and Nov.

Fairy Martin *Petrochelidon ariel*

Status: spring-summer breeding migrant.

Ten at MYA on 28 Nov; 1 at Com on 7 Sep. No breeding recorded. (JC/JV)

Tree Martin *Petrochelidon nigricans*

Status: resident and summer breeding migrant.

Fifty at Com in Apr, 10-40 in other months; 20 at PDD in Feb, 10 in Mar and Nov, 3 in Jan; 20 at MB in May, at TS in Jun; 10 at Belowra in Mar; 2 at PS in Jun.

Breeding: nests at Com in Aug-Sep, dependent young in Sep. (JC)

TURDIDAE Thrushes

Bassian Thrush *Zoothera lunulata*

Status: uncommon breeding resident.

Two at ERBG in Jul, 1 in Mar; 2 at NA in Dec, 1 in Jan and Nov; 1 at Mummaga L and MKS in Aug. No breeding recorded.

Common Blackbird *Turdus merula*

Status: breeding resident.

Five to ten at BI in Jan, Mar and Jun; 4-8 in MYA in Oct, 2-6 in Sep and Nov, 1-2 in Jan, Jul-Aug; 2 at Catalina in Nov; singles at TS in Jan, at Bodalla in Oct. No breeding recorded.

STURNIDAE Starlings

Common Starling *Sturnus vulgaris*

Status: common breeding resident.

Up to 200 at Com in Jan and May, 40-150 in other months; 50 at BI in Jan

20 in Mar; 30 at MYA in Dec, 6-12 in Apr-Nov; 16 at Belowra in Nov, 12 in May; no more than 10 at other locations.

Breeding: nesting at Com in Jul, Sep-Nov, dependent young in Aug, Oct-Dec. (JC)

Common Myna *Sturnus tristis*

Status: breeding resident.

Forty at TS on 10 Jun; 20 at Broulee in Jan; 6 at MYA in Jun and Dec, 1-5 in most other months; 6 at Com in Mar, 2 in Apr-Dec; 4 at Tilba in Jun and Oct; 1 at Bergalia in Jan. No breeding recorded.

NECTARINIIDAE Mistletoebird

Mistletoebird *Dicaeum hirundinaceum*

Status: breeding resident and bird of passage.

Recorded in all months; 10 at MYA SF on 24 Jun; 8 at PS in Jun, 6 in Jul, 4 in May; 8 at Com in Sep, 6 in Oct, 4 in Dec; 4 at Boyne SF in May; 1, 2 or calls at other locations.

Breeding: nesting at Com in Oct. (JC)

ESTRILDIDAE Grass-finches

Double-barred Finch *Taeniopygia bichenovii*

Status: uncommon resident.

Two at MO and at Eurobodalla Rd on 22 Mar. (A Morris)

Red-browed Finch *Neochmia temporalis*

Status: common breeding resident.

Widely reported throughout the year; 200 at Com in May, 20-80 in other months; 50 at Eurobodalla Rd on 5 Mar, at MKS in Aug and Oct; 40 at PS and NA in Jun; 30 at Bodalla in Feb, at Catalina in Oct; no more than 20 at other locations.

Breeding: nesting in Mar, Oct-Dec, dependent young in Jan and Oct.

Diamond Firetail *Stagonopleura guttata*

Status: Vulnerable (NSW Schedule 2); rare resident.

Seven at Belowra on 19 May, 3 on 24 Jan and 2 Dec, 2 on 22 Apr. No breeding recorded. (JC)

PASSERIDAE House Sparrow

House Sparrow *Passer domesticus*

Status: common breeding resident.

Recorded at MYA throughout year, max 36 in May, 10-30 in most other

months; up to 20 at BI in Jan, Mar and Jun; 12 at Tilba in Jun, 8 in Dec; 6 at MB in Jan, 1 in Dec; 2 at NA in Nov.
Breeding: nesting at MYA in Aug. (JL)

MOTACILLIDAE Australasian Pipit
Australasian Pipit *Anthus novaeseelandiae*

Status: breeding resident.

Ten to sixteen at Com each month; 7 at TS in Jun, 1-2 in Jan-May and Jul
6 at Belowra in Nov, 4 in Sep and Dec; 4 at Bengello Beach in Nov; 2 at MB in May, at Bingie in Aug-Oct and Dec.

Breeding: nesting at Com in Nov. (JC)

FRINGILLIDAE Finches

European Goldfinch *Carduelis carduelis*

Status: uncommon breeding resident.

Thirty at Com in Jul, 20 in May, 1 in Jun and Sep; 6 at TS in Jun, 4 at MB in Jan, at Eurobodalla Rd in Mar; 2 at Belowra in May. No breeding recorded.

MAMMALS

Platypus *Ornithorhynchus anatinus*

No records.

Short-beaked Echidna *Tachyglossus aculeatus*

Widespread and recorded in most months; up to 4 at MB in Jan-Mar, Aug-Nov; 1-3 at PS Mar, Jul-Nov, with 2 males and a female in a breeding procession in Jul; 1-3 at BP in Jan-Mar, Oct-Dec; 1 or 2 at TS Jan-Feb, Oct; singles at Mossy Pt in Sep and Nov-Dec, at Broulee in Nov-Dec, at MKS in Jan-Feb, Aug-Dec, at PDD in Jan, at NA in Oct, at Coolagolite in Sep and Nov.

Spotted-tailed Quoll *Dasyurus maculatus*

Calls at PDD in Mar; calls and signs at PS in Apr-Jun, Aug and Dec. (J Fearn/JM)

Brown Antechinus *Antechinus stuartii*

No records.

Dusky Antechinus *Antechinus swainsonii*

No records.

Agile Antechinus *Antechinus agilis*

No records.

Antechinus sp.

Three at Lilli Pilli in Oct; 1-2 at MB in Mar; 1 at PS in Jul. (JT/MA/JM)

White-footed Dunnart *Sminthopsis leucopus*

No records.

Long-nosed Bandicoot *Perameles nasuta*

Signs at MB in Feb-Mar, Jun, Nov-Dec, road kill in Feb; signs and calls at Lilli Pilli in Mar-Apr; signs at Nargal L in Jan; 1 at Coolagolite in Sep. (MA/AC/IAG/JM/PL/DO)

Koala *Phascolarctos cinereus*

No records.

Common Wombat *Vombatus ursinus*

One or two at Com in Jul-Aug and Oct; 1 at NA in Aug; active burrow at Nargal L in Jan, at Coolagolite in Sep-Oct. (JC/MA/JM/PL/DO)

Eastern Pygmy Possum *Cercatetus nanus*

No records.

Yellow-bellied Glider *Petaurus australis*

1 at Mossy Point in Jun-Jul. (HR)

Sugar Glider *Petaurus breviceps*

Recorded throughout the year; 2 at Mossy Pt in Sep, 1 in Oct-Dec, calls in Apr-Jul; calls at BP in Jan-Apr, Oct and Dec, at PS in Jan-Apr, Jun, Nov-Dec, at Com in Mar and Oct. (HR/JW/JM/JC)

Squirrel Glider *Petaurus norfolcensis*

No records.

Greater Glider *Petaurides volans*

No records.

Common Ringtail Possum *Pseudocheirus peregrinus*

Two at MB in Feb, 1 in Jan, Jun and Aug; 1 at Mossy Pt in Jan and Jul, at TS in Feb-Mar, at Coolagolite in Sep. (MA/HR/JH/DO)

Feathertail Glider *Acrobates pygmaeus*

Three found dead in a watering can at Lilli Pilli in Oct; 1 at Mossy Pt in

Jul. (JT/HR)

Common Brushtail Possum *Trichosurus vulpecula*

Widespread and regular throughout year in resident groups; up to 6 at Com, with young in Mar, Sep, Oct and Dec; up to 3 at Mossy Pt in Jan-Jul, Sep-Dec with young in Oct; golden coloured individual road kill at NA in Jun. (JC/HR/MA)

Long-nosed Potoroo *Potorous tridactylus*

No records.

Eastern Grey Kangaroo *Macropus giganteus*

Widespread and regularly recorded throughout the year; individuals to maxima of 46 at Pebbly Beach in Jul; up to 42 at Coolagolite; up to 30 at Mossy Pt; up to 20 at PS. (MJ/DO/HR/JM)

Red-necked Wallaby *Macropus rufogriseus*

Twenty at Blackfellows Pt in Nov; up to 8 at Mossy Pt throughout the year; up to 5 at Coolagolite in Sep-Dec; up to 3 at Bodalla in Jan-Feb, Oct-Nov; 1 at PDD in Feb, at Womban in Sep, at TS in Feb and Oct. (FM/HR/DO/MA/BA/JM/JH)

Swamp Wallaby *Wallabia bicolor*

Widespread and regularly recorded throughout the year; individuals to maximum of 10 at MB in Feb; up to 7 at PS most of the year; no more than 3 elsewhere.

Grey-headed Flying Fox *Pteropus poliocephalus*

Hundreds of thousands reported at Catalina in May; thousands in a camp at BBWG Mar-Jul; up to 1,000 seen flying over BB in Dec; up to 9,000 recorded over PS, leaving the camp at MHS in Feb, falling to 100 by Apr; more than 700 at Pedro in Feb; also recorded at Lilli Pilli in Mar-Apr, at Mossy Pt in Mar-Dec.

Little Red Flying Fox *Pteropus scapulatus*

No records.

Broad-toothed Rat *Mastacomys fuscus*

No records.

House Mouse *Mus musculus*

Two at PS in Feb and Coolagolite in Dec; 1 at BP in Feb, MB in Mar, Mossy Pt in Jul. (JM/DO/JW/MA/HR)

Bush Rat *Rattus fuscipes*

Several at TS in Jan-Feb; 1 at Coolagolite in Sep and at MB in Nov.
(JH/DO/MA)

Swamp Rat *Rattus lutreolus*

No records.

Brown Rat *Rattus norvegicus*

No records.

Black Rat *Rattus rattus*

One at BP on 20 Mar. (JW)

New Zealand Fur Seal *Arctocephalus forsteri*

No records.

Australian Fur Seal *Arctocephalus pusillus*

Ten off Toragy Pt at MHS in Jul; 8 at MB in Nov, 1 in Jun; 2 at Bingie Pt in Sep; 1 at NA in Feb and May, at WL in Feb, at BP in Oct.
(FM/MA/DHK/JW)

Southern Elephant Seal *Mirounga leonine*

No records.

Leopard Seal *Hydrurga leptonyx*

No records.

Dingo *Canis lupus dingo*

One at Riverview in Nov and calls at Com in Dec. (JC)

Red Fox *Vulpes vulpes*

Three at Com in Nov, an adult feeding 2 young, 1 in May-Aug and Oct-Dec; 1-2 at PS in Feb, Apr, Jun, Aug-Sep; 1 at BP in Jan, at MKS in Jan and Apr, at Mossy Pt in Jul. (JC/JM/JW/SMG/HR/FM)

Cat *Felix catus*

No records.

Rabbit *Oryctolagus cuniculus*

Three at BB in May; also recorded at MB and Pebbly Beach.
(GR/WN/MA/MJ)

Brown Hare *Lepus capensis*

No records.

Pig *Sus scrofa*

No records.

Fallow Deer *Dama dama*

No records.

Sambar *Cervus unicolor*

No records.

Chital *Axis axis*

No records.

Risso's Dolphin *Grampus griseus*

No records.

Bottle-nosed Dolphin *Tursiops truncatus*

Twenty at MHS in Jul; up to 8 at MB in Feb and Nov; 8 at Broulee in Dec; up to 4 at BP in Jan and Oct. (FM/MA/JW/FA)

Common Dolphin *Delphinus delphis*

No records.

Dolphin sp.

Six off Bengello in Jul. (BA)

Sperm Whale *Physeter catodon*

No records.

Pygmy Sperm Whale *Kogia breviceps*

No records.

Killer Whale *Orcinus orca*

No records.

Long-finned Pilot Whale *Globiocephala melas*

No records.

Short-finned Pilot Whale *Globiocephala macrorhynchus*

No records.

Blue Whale *Balaenoptera musculus*

No records.

Humpback Whale *Megaptera novaeangliae*

Up to six off BP in Jun, mother and calf in Oct; 2-6 off Bingie Pt in Jun; up to 4 off MB in Oct; up to 3 off MHS in May, Jun and Nov, off Mossy Pt in Oct, off Broulee, Rosedale and MO in Nov, at least 2 off BI in Oct; 1 off TS in Jul. (FM/JW/HR/JM/MA/DO/GR/WN)

Southern Right Whale *Eubalaena australis*

Mother and calf off Pedro Pt and MHS in Aug, and off MO in Sep; 1 at Bingie Pt in Sep. (MC/DHK)

REPTILES

Green Turtle *Chelonia mydas*

No records.

Snake-necked Turtle *Chelodina longicollis*

Up to 10 at Com in Jan-Apr, Oct-Dec; up to 5 at PS in Jan-Feb, Dec and eggs dug up near the swamp in Jan and Dec; 2 at WL in Nov; singles at Mossy Pt in Jan-Feb and Nov. (JC/JM/HR/DO)

Eastern Water Skink *Eulamprus quoyii*

Recorded at Mossy Pt in Jan. (HR)

White's Skink *Ergenia whitii*.

No records.

Dark-flecked Garden Sunskink *Lampropholis delicata*

Colonies at BP, Mossy Pt and MYA active Jan-May, Sep-Dec. (JW/HR/JL)

Pale-flecked Garden Sunskink *Lampropholis guichenoti*

Up to 10 at MYA in Apr-May, Sep-Nov; up to 3 at BP in Jan-May, Nov-Dec; 1 at Mossy Pt in Jul. (JL/JW/HR)

Weasel Skink *Saproscincus mustelinus*

Singles at BP in Jan-Mar, Nov-Dec, at Broulee in Nov. (JW/HR)

Eastern Blue-tongue *Tiliqua scincoides*

One or two at Com in Sep-Oct and Dec; singles at BP in Feb, Oct-Dec, at Mossy Pt in Nov, MYA in Jul, at PS in Nov, at Bergalia in Dec, at TS in Jan-Mar, at Coolagolite in Dec.

Jacky Lizard *Amphibolurus muricatus*

Up to 10 at Long Swamp in Feb; up to 5 at Coolagolite in Aug-Dec; 1-3 at BP in Jan and Mar, at Mossy Pt in Jan-Apr, Oct-Dec, at PS in Jan-Apr, Sep-Dec; 1 at MB in Mar. (FM/DO/JW/HR/JM/MA)

Water Dragon *Physignathus lesueurii*

No records.

Gippsland Water Dragon *Physignathus lesueurii howittii*

Two to ten at Com in Jan-Apr, Sep-Dec. (JC)

Lace Monitor *Varanus varius*

Three at Chain Bay in Nov; 1-3 at PS in Jan and Sep-Dec; singles at ERBG in Oct and Dec, at BP in Jan, Mar, Oct-Dec, at Barlings in Nov, at PDD in Feb, at MKS in Oct and Dec, at Brou L in Mar, at Coolagolite in Sep-Oct.

Diamond Python *Morelia spilota*

Singles at MB in Jan-Feb, Oct-Nov, at BP in Oct-Nov, at TS in Apr. (MA/JW/CM)

Eastern Small-eyed Snake *Cryptophis nigrescens*

One seen at night in the pouring rain at Mossy Pt in Sep-Oct; one being eaten by a kookaburra at PS in Oct. (HR/JM)

Master's Snake *Drysdalia masterii*

No records.

Mustard-bellied Snake *Drysdalia rhodogaster*

No records.

Red-bellied Black Snake *Pseudechis porphyriacus*

Up to 6 at PS, including 4 young, in Jan-Apr, Aug-Dec; 1-3 at MKS in Jan, Aug-Dec, at Com in Jan-May, Aug-Dec; singles at BP in Mar, at PDD in Jul and Nov, at TS in Feb, at Deua NP in Sep, at MB in Jan, Mar, May, Oct-Nov, at Coolagolite in Dec.

Eastern Brown Snake *Pseudonaja textilis*

One at Mossy Pt in Feb, at MKS in Jan. (HR/SMG)

FROGS

Common Eastern Froglet *Crinia signifera*

Common and widespread in coastal lands, woodland; recorded at BP, Mossy Pt, MYA, PS and Com throughout the year.

Giant Burrowing Frog *Heleioporus australiacus*

No records.

Eastern Banjo Frog *Limnodynastes dumerilii*

Up to 10 in MYA in Jan-Mar, Nov; recorded at PS in Jan and Dec; at Coila L in Apr. (JL/JM/FM)

Brown-striped Frog *Limnodynastes peronii*

Widespread and common on coast; recorded at BP, Mossy Pt, PS and Com throughout the year.

Spotted Grass Frog *Limnodynastes tasmaniensis*

Calls at PS in Mar and Dec. (JM)

Haswell's Frog *Paracrinia haswelli*

Calls at PS in Jan-Sep, Nov-Dec. (JM)

Brown Toadlet *Pseudophryne bibronii*

Recorded at BP in Jan-Mar, Oct-Dec; at PS in Jan, Mar-May and Dec. (JW/JM)

Dendy's Toadlet *Pseudophryne dendyi*

Recorded at Mossy Pt in Mar-Jun, at PS in Dec. (HR/JM)

Smooth Toadlet *Uperoleia laevigata*

Calls at PS in Mar, Nov-Dec. (JM)

Tyler's Toadlet *Uperoleia tyleri*

Up to 20 at Mossy Pt in Jan-Apr, Sep-Dec; calls at PS Jan-May, Jul-Dec. (HR/JM)

Green and Golden Bell Frog *Litoria aurea*

Possible call at PS in Dec. (JM)

Blue Mountains Tree Frog *Litoria citropa*

One at Com in Apr. (JC)

Keferstein's Tree Frog *Litoria dentata*

Recorded at Mossy Pt in Jan-May, Sep-Dec; 2 at Broulee in Nov; calls at BP in Jan and Dec, at PS in Jan-Feb, Oct-Dec, at Com in Jan-Apr, Sep-Dec, at TS in Mar. (HR/GLM/JW/JM/JC/GR/WN)

Brown Tree Frog *Litoria ewingii*

Calls at PS throughout the year; recorded at BP Jan-Feb, May, at MB in Jan. (JM/JW/MA)

Eastern Sedgefrog *Litoria fallax*

Three at ERBG in May; 1 at Mossy Pt in Feb, at SB in Nov; call at BBWG in Feb. (FM/HR/JM)

Jervis Bay Tree Frog *Litoria jervisiensis*

Up to 8 at Mossy Pt in Jan-Jul, Oct-Dec; calls at PS in Jan-Jun, Oct-Dec. (HR/JM)

Lesueur's Tree Frog *Litoria lesueuri*

Call at PS in Jan-Feb, at BP in Jan. (JM/JW)

Peron's Tree Frog *Litoria peronii*

Common and widespread in coastal areas; up to 9 at Mossy Pt in Jan-Jun Sep-Dec; 1-3 at BP in Jan-May, Oct-Dec; 1 or 2 or calls at PS in Jan-Apr, Nov-Dec; recorded at Com most months. (HR/JW/JM/JC)

Leaf-green Tree Frog *Litoria phyllochroa*

Calls at PS in Mar and Dec. (JM)

Tyler's Tree Frog *Litoria tyleri*

Up to 10 or calls at PS in Feb, Dec; 1 or calls at Mossy Pt in Jan-Jul. (JM/HR)

Verreaux's Tree Frog *Litoria verreauxii*

Up to 10 or calls at PS in Jan-Jun, Sep-Dec; up to 6 or calls at Mossy Pt in Mar-Jul, Oct-Dec; up to 5 in MYA in Jul-Oct; 1 or calls at BP in Jan-May; recorded at Com throughout the year. (JM/HR/JL/JW/JC)

INSECTS

DRAGONFLIES, DAMSELFLIES

Aurora Bluetail *Ischnura aurora*: Jan-Apr, Dec.

Common Bluetail *Ischnura heterosticta*: Feb-Apr, Nov-Dec.

Blue-spotted Hawker *Adversaechna brevistyla*: Jan-Feb, Dec

Tau Emerald *Hemicordulia tau*: Jan-Apr, Oct-Dec.
Black-headed Skimmer *Crocothemis nigrifrons*: Mar.
Blue Skimmer *Orthetrum caledonicum*: Jan-Apr, Oct-Dec.
Scarlet Percher *Diplacodes haematodes*: Feb-Apr, Dec.
Wandering Percher *Diplacodes bipunctata*: Feb-Apr, Dec.
Black-faced Percher *Diplacodes melanopsis*: Mar-Apr.
Swamp Flat-tail *Austrothemis nigrescens*: Jan.
Common Glider *Tramea loewii*: Jan-Feb, Dec.
Dune Glider *Tramea eurybia*: Dec.

MANTIDS, STICK INSECTS

Large Brown Mantid *Archimatis latistyla*: female and ootheca, nymphs. Feb-Mar.
Garden Mantid *Orthodera ministralis*: adults and nymphs. Jan, Dec.
Ringbarker Stick-insect *Podocanthus wilkinsoni*: Jan.
Children's Stick-insect *Tropidoderus childrenii*: Jan.

BUGS, CICADAS

Harlequin Bug *Dindymus versicolor*: Jan-Apr, Sep-Dec.
Metallic Shield Bug *Scutiphora pedicellata*: Feb, Oct.
Gumtree Hopper *Eurymela distincta*: Feb.
Razor Grinder *Henicopsaltria eydouxii*: Jan-Feb.
Black Squeaker *Pauropsalta encaustica*: Nov.
Double-spotted Cicada *Cicadetta labeculata*: Jan-Mar, Dec.

LACEWING

Banded Lacewing *Glenoleon pulchellus*: Dec.
Silky Lacewing *Psychopsis insolens*: Dec.

BEETLES

Christmas Beetle *Anoplognathus rugosus*: Nov-Dec.
Argentinian Scarab *Cyclocephala signaticollis*: Dec.
Jewel Beetle *Castiarina erythroptera*: Nov-Dec.
Net-winged Beetle *Porrostoma rhipidium*: Jan, Oct-Nov.
Plague Soldier Beetle *Chauliognathus lugubris*: Jan-Jun, Oct-Dec.
Eucalyptus Tortoise Beetle *Paropsis variolosa*: Dec.
Eucalyptus Leaf Beetle *Paropsisterna nobilitata*: Dec.
Banded Pumpkin Beetle *Aulocophora hilaris*: Nov-Dec.
Botany Bay Weevil *Chrysolopus spectabilis*: Nov.

Ladybirds:

Transverse Ladybird *Coccinella transversalis*: Jan, Mar-Apr, Sep-Dec.

Variable Ladybird *Coelophora inaequalis*: Mar, Nov.
Twenty-eight Spotted Ladybird *Epilachna vigintioctopunctata*: Dec.
Twenty-six Spotted Ladybird *Epilachna vigintisexpunctata*: Oct-Dec.
Common Spotted Ladybird *Harmonia conformis*: Jan-Feb, Sep-Dec.
Spotted Amber Ladybird *Hippodamia variegata*: Jan-Apr, Sep-Dec.
Fungus-eating Ladybird *Illeis gallaba*: Jan-Mar, Dec.
Striped Ladybird *Micraspis frenata*: Jan-Apr, Sep-Dec.
Orcus bilunulatis: Oct.

FLIES

Giant Blue Robber Fly *Blepharotes splendidissimus*: Jan.
Native Drone Fly *Eristalinus punctulatus*: Nov.

MOTHS

HEPIALIDAE

Fraus simulans: Apr.

Fraus crocea: Apr.

Elhamma australasiae: Feb-Apr.

Bardi Grub Moth *Trictena atripalpis*: Apr.

Ghost Moth *Oxycanus dirempta*: Apr-Jul.

Ghost Moth *Oxycanus rufescens*: May.

Oxycanus sp.: Jun.

PSYCHIDAE

Cone Case Moth *Lepidoscia sp.*: larvae of 3 species in Sep, Dec.

Saunders's Case Moth *Metura elongatus*: larvae in Jan.

Lomera biosduvali: Oct.

Lomera lurinda: Nov.

Cone Case Moth sp. larvae in Feb.

TINEIDAE

Edosa sp.: Jan.

OECOPHORIDAE

Chrysonoma fascialis: Feb.

COSSIDAE

Witchetty Grub *Endoxyla leucomochla*: Jan.

TORTRICIDAE

Meritastis polygraphana: Jul-Aug.

CHOREUTIDAE

Tebenna micalis: Oct-Nov.

ZYGAENIDAE

Pollanisus sp.: Jan-Mar, Nov.

LIMACODIDAE

Four-spotted Cup Moth *Doratifera quadriguttata*: Feb.

Painted Cup Moth *Doratifera pinguis*: Aug-Sep.

PTEROPHORIDAE

Plume Moth sp.: Jan-Feb, May-Jun, Sep, Nov.

THYRIDIDAE

Aglaopus pyrrhata: Mar, Nov.

PYRALIDAE

Meal Moth *Pyralis farinalis*: Dec.

Hednota pleniferellus: Mar.

Musotima ochropteralis: Oct.

Tipanaea patulella: Feb-Mar, Nov.

Beet Webworm *Spoladea recurvalis*: Feb-May.

Nacoleia rhoealis: Feb-Apr.

Eggfruit Caterpillar *Sceliodes cordalis*: Feb-Apr.

GEOMETRIDAE

Chlenias sp.: female with eggs in Jun.

Dysbatus stenodesma: Aug, Nov.

Gastrina cristaria: Jul.

Black Geometrid *Melanodes anthracitaria*: Jan, Jul-Aug, Oct.

Capusa sp.: Jul.

White Satin Moth *Thalaina selenaea*: Apr.

Clara Satin Moth *Thalaina clara*: Apr-May.

Bracken Moth *Idiodes apicata*: Oct.

Planolocha sp.: Jul.

(No genus) *biplaga*: Mar.

Dissomorphia australiaria: Aug, Oct-Nov.

Hakea Moth *Oenochroma vinaria*: Feb.

Taxeotis sp.: Sep.

Epidesmia tryxaria: Feb-Mar.

Crypsiphona ocultaria: Mar, May, Oct.

Twin Emerald *Chlorocoma dichloraria*: Oct.
Emerald *Chlorocoma assimilis*: Apr, Aug-Sep.
Chlorocoma sp: Mar, Nov.
Cream Wave *Scopula perlata*: Jan, Apr, Jun-Dec.
Plantain Moth *Scopula rubraria*: Jan-May, Oct-Dec.
Mecynata Moth *Chrysolarentia mecynata*: Jan, May-Jun, Sep-Dec.
Black-lined Carpet *Chrysolarentia plagiocausta*: Jul-Aug.
Plesia Carpet *Chrysolarentia plesia*: Jul, Sep-Oct.
Sodaliata Moth *Epyaxa sodaliata*: Apr-Sep, Nov.
Subidaria Moth *Epyaxa subidaria*: May, Sep-Oct.
Filata Moth *Chloroclystis filata*: Jul-Sep.
Red-spotted Delicate *Epicyme rubropunctaria*: Jan, May, Sep-Oct.
Native Cranberry Moth *Poecilasthena pulchraria*: Jan, Mar, Apr, Jul-Sep.

LASIOCAMPIDAE

Banded Porela *Porela vitulina*: Jan, Sep, Nov.

ANTHELIDAE

White-stemmed Gum Moth *Chelepteryx collesi*: May. Larva Jan.
White-stemmed Wattle Moth *Chelepteryx chelepteryx*: Apr.
Grey-headed Anthelid *Anthela excellens*: Mar, Sep.
Common Anthelid *Anthela acuta*: Oct.
Eye-spot Anthelid *Anthela ocellata*: Sep.

SATURNIDAE

Emperor Gum Moth *Opodiphthera eucalypti*: Nov.

SPHINGIDAE

Convolvulus Hawk Moth *Agrius convolvuli*: Dec.
Coprosma Hawk Moth *Hippotion scrofa*: Nov-Dec.

NOTODONTIDAE

Sparshalli Moth *Trichiocercus sparshalli* Apr.
Neola Moth *Neola semiaurata*: larvae on *Acacia falcata* in Feb.

LYMANTRIIDAE

Painted Apple-moth *Teia anartoides*: larvae in Mar.
White Cedar Moth *Leptocneria reducta*: Feb, Apr, Oct.
Pink Browntail Moth *Urocoma baliolalis*: Apr.
Omnivorous Tussock Moth *Acyphas semiochrea*: Feb-Apr, Aug.

ARCTIIDAE

- Favoured Footman** *Termessa gratiosa*: Oct, Dec.
Hookwing Footman *Termessa discrepans*: Jan, Dec.
Banded Lichen Moth *Lyclene structa*: Jan-Apr, Nov-Dec.
Spotted Lichen Moth *Asura cervicalis*: Jan-Mar, Nov-Dec.
Lydia Lichen Moth *Asura lydia*: Apr.
Variable Halone *Halone sejuncta*: Jan-Feb, May, Oct, Dec.
Halone coryphoea: Jan.
Reticulated Footman *Scaptosyle dichotoma*: Sep.
Lichen-eating Caterpillar *Manulea replana*: Feb-Apr, Dec.
Heliotrope Moth *Utetheisa* sp.: Feb-May.
Magpie Moth *Nyctemera amicus*: Jan, May-Jun, Sep-Oct.
Dark-spotted Tiger Moth *Spilosoma canescens*: Nov.
Crimson Tiger Moth *Spilosoma curvata*: Mar.
Tiger Moth *Amata* sp.: Jan-Mar, Oct-Nov.

NOCTUIDAE

- Sandava scitisignata*: Mar-Apr.
Rhapsa suscitatalis: Apr-May, Jul, Oct.
Pantylia sparsa: Mar, May, Jul, Sep-Oct.
Praxis porphyretica: Mar.
Semi-looper Moth *Trigonodes hyppasia*: Mar-Apr.
Tobacco Looper *Chrysodeixis argentifera*: Dec.
Gum-leaf Skeletoniser Moth *Uraba lugens*: Apr.
Platagarista macleayi: Feb.
Whistling Moth *Hecatesia fenestrata*: Nov.
Eutrichopidia latinus: Feb, Nov.
Mistletoe Moth *Comocrus behri*: Jan-Feb, Oct.
Black Noctuid *Neumichtis nigerrima*: Oct- Nov.
Green-blotched Moth *Cosmodes elegans*: Feb-Jun, Aug-Sep, Nov-Dec.
Bogong Moth *Agrotis infusa*: Mar-May, Jul, Oct, Dec.
Brown Cutworm *Agrotis munda*: Feb, Sep, Dec.
Variable Cutworm *Agrotis porphyricollis*: Feb, May-Jun, Aug-Sep.
Native Budworm *Heliocoverpa punctigera*: Jan-Feb, Jun, Aug-Oct.
Corn Earworm *Heliocoverpa armigera*: Feb.

BUTTERFLIES

HESPERIIDAE

- Splendid Ochre** *Trapezites symmumus*: Jan-May, Nov-Dec.
Lilac Grass-skipper *Toxidia doubledayi*: Jan, Nov-Dec.

White-brand Grass-skipper *Toxidia rietmanni*: Oct, Dec.
White-banded Grass-dart *Taractrocera papyria*: Jan.
Narrow-brand Grass-dart *Ocybadistes flavovittata*: Jan, Nov.

PAPILIONIDAE

Macleay's Swallowtail *Graphium macleayanus*: Apr.
Blue Triangle *Graphium sarpedon*: Feb-Mar.
Orchard Swallowtail *Papilio aegaeus*: Jan-May, Sep-Dec.
Chequered Swallowtail *Papilio demoleus*: Jan, Mar-Apr.

PIERIDAE

Small Grass-yellow *Eurema smilax*: Oct.
Imperial Jezebel *Delias harpalyce*: Mar-Apr, Nov.
Black Jezebel *Delias nigrina*: Jan-Dec.
Scarlet Jezebel *Delias argenthona*: Sep.
Spotted Jezebel *Delias aganippe*: Dec.
Caper White *Belenois java*: Apr.
Cabbage White *Pieris rapae*: Jan-Dec.

NYMPHALIDAE

Dusky Knight *Ypthima arctous*: Feb-Apr, Nov-Dec.
Brown Ringlet *Hypocysta metirius*: Jan-Apr, Sep-Dec.
Varied Swordgrass Brown *Tisiphone abeona*: Jan-May, Oct-Dec.
Marbled Xenica *Geitoneura klugii*: Jan-Feb, Dec.
Wonder Brown *Heteronympha mirifica*: Feb, Oct-Nov.
Common Brown *Heteronympha merope*: Jan-May, Oct-Dec.
Bank's Brown *Heteronympha banksi*: Apr, Dec.
Tailed Emperor *Polyura sempronius*: Jan.
Meadow Argus *Junonia villida*: Jan-Jun, Aug-Dec.
Australian Painted Lady *Vanessa kershawi*: Jan-Jun, Aug-Dec.
Yellow Admiral *Vanessa itea*: Jan-May, Sep-Dec.
Monarch *Danaus plexippus*: Feb-May, Jul-Sep, Dec.

LYCAENIDAE

Satin Azure *Ogyris amaryllis*: Dec.
Imperial Hairstreak *Jalmenus evagoras*: Feb-Mar, Dec.
Varied Dusky Blue *Candalides hyacinthina*: Sep, Dec.
Yellow-spotted Blue *Candalides xanthospilos*: Sep.
Two Spotted Line-blue *Nocaduba biocellata*: Jun.
Fringed Heath Blue *Neolucia agricola*: Oct.
Cycad Blue *Theclinesstes onycha*: Feb-Mar.

Wattle Blue *Theclinesstes miskini*: Feb-Mar.

Common Grass Blue *Zizina labradus*: Jan-Jun, Aug-Dec.

WASPS, BEES

Blue-banded Bees *Amegilla cingulata*: Jan-May, Dec.

Black Flower Wasp *Discolia sorrer*: Feb-Apr, Dec.

Blue Ant *Diamma bicolor*: Feb.

Mason Wasp *Abispa splendida*: Feb.

OTHER INVERTEBRATES

SPIDERS

Species of spider commonly recorded throughout the year:

Huntsman *Delena cancerides*

White-tailed *Lampona cylindrata*

Black House *Badumna insignis*

Net-casting *Deinopis subrufa*

Red-back *Latrodectus hasselti*

St. Andrew's Cross *Agriope keyserlingi*

St. Andrew's Cross *Agriope picta*

Leaf-curling *Phonognatha graeffei*

Daddy Long-legs *Pholcus phalangoides*

Water Spider *Dolomedes australiensis*

Wheel-weaving Garden *Eriophora transmarinas*

Golden Orb-weaving *Nephila* sp.

Single-thread Trap *Argyrodes* sp.

Garden Wolf *Lycosa godeffroyi*

Little Striped Wolf *Lycosa furcillata*

Mouse *Missulina insigne*

Trapdoor *Arbanites gracilis*

Spiny *Austrocantha minex*

Two-spined *Poecilopachys bispinosa*

Flat Rock *Hemiocloea major*

Green Flower *Diaea variabilis*

Sydney Funnel Web *Atrax robustus*

Jumping *Opisthoncus* sp.

Comb-footed *Achaeearanea* sp.

Two-tailed *Tamopsis fickerti*

Flower *Diaea dorsata*

54th ANNUAL ASSESSMENT OF SHEARWATER BREEDING SUCCESS ON MONTAGU ISLAND, 22-28 MARCH 2013

Peter J. Fullagar, Chris Davey and David Priddel

The format of this report and the abbreviations used are consistent with those in previous annual reports (e.g. Kingston *et al.* 2012). The study site on the SE side of the smaller northern part of Montagu Island is known as NISA (293 m), the two study sites at the northern end of the southern part are known as SISA (428 m) and THISA (293 m). Their position is shown on the map in Figure 1. The bird records for the island have been reviewed by Fullagar (1989) but many subsequent records have been included in annual reports (similar to this one) dating back to 1998. Names of birds follow Christidis and Boles (2008); all other vertebrates follow Clayton *et al.* (2006). Names of butterflies follow Braby (2004) and moths follow Common (1990) while those of vascular plants follow those used by Heyligers and Adams (1989, 2004).

Survey Team

This year's team comprised Peter Fullagar and Chris Davey (MIPartners), David Priddel (Office of Environment and Heritage NSW), Dimitrios Bertzeletos, Vanessa Place, Bronte Evans and Louise Evans.

Weather and Habitat Conditions

We departed Narooma at 08:00 on 22 March, crossing to the island in light wind but heavy swell. The rest of this day was warm with light southerly winds. Sunny and warm conditions continued on 23 March through to 26 March, with a strong northerly developing and continuing until 27 March. It was generally hot, and sometimes humid, throughout our stay. We returned to Narooma at 07:30 on 28 March with a strong NE wind and moderate sea.

Rainfall figures (mm) for the period April 2012 to March 2013 are as follows: 146.8, 80.6, 78.6, 0.4, 13.6, 30.8, 100.2, 55.6, 30.8, 116.2, 71.0, and 27.4 up to March 28.

The condition of vegetation was similar to that found last year with particularly lush and dense Spiny-headed Mat-rush *Lomandra longifolia* on all study sites. Again we noted the intrusion of Running Postman *Kennedia rubicunda* spreading into SISA along the eastern border and Kikuyu Grass *Pennisetum clandestinum* continuing to encroach on this

site along both the northern and southern borders. The cliff face above the gulch is now heavily infested despite being controlled a few years ago. The soil on the study sites was again noticeably more compact this year. It was moist and dark, resulting in a more stable substrate and consolidated burrow structure. Few other plants were noted on any study plot and no live specimen of Kangaroo Apple *Solanum vescum* was found.

The successful re-introduction of native vegetation along the western side of the island is now forming dense shrubland with emergent Bangalay or Southern Mahogany *Eucalyptus botryoides*, Swamp Oak *Casuarina glauca*, Giant Honey-myrtle *Melaleuca armillaris* and Coast Banksia *Banksia integrifolia* providing the early stages of a forest structure. The tall Coastal Wattle *Acacia longifolia* var. *sophorae* along the pathway E of this area is now reaching senility, collapsing and dying. Coast Rosemary *Westringia fruticosa* is now dense and well established in many areas. Revised zoning for the revegetation program is shown in the map (Fig. 1). This map now replaces the one published in Davey *et al.* (2010). A brief description of the vegetation now present in these zones is in Appendix 1.

Vegetation on the higher ground of the shearwater colony E of the lightstation was sparse, very dry and wind sheared. Large areas of bare soil were visible. This condition was not seen in any other shearwater colony on south island and was in marked contrast to the condition of vegetation on all three study sites.

Coverage

We started work on THISA at 10:15 ~~20~~ March and finished by 13:30 the same day. Work started on SISA that afternoon at 15:25, finishing for the day at 17:05. On ~~23~~ March work continued on SISA from 09:30, finishing at 15:10. Work started on NISA at 08:45 on 24 March and finished at 15:30 that day.

We covered the south island well for incidental observations but the north island less intensively. In addition to our NISA visit on 24 March, Chris Davey visited the west side and the northern slopes of north island on 27 March to complete a count of seal and Sooty Oystercatcher.

Survey Results

The results of this year's survey, together with those for 2012, are summarised in Table 1.

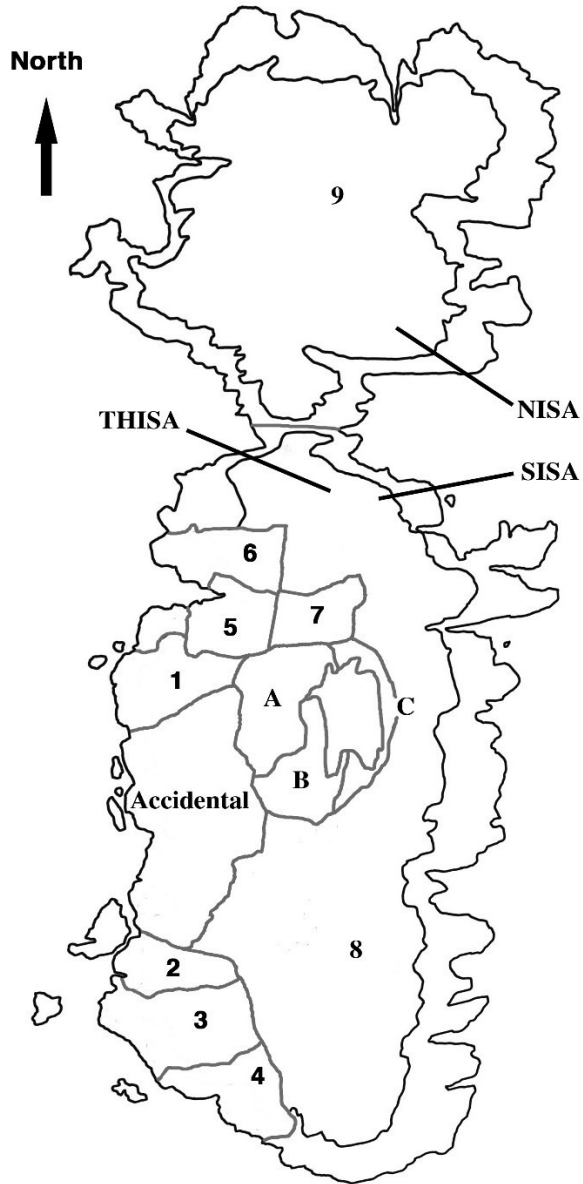


Figure 1. Map of Montagu Island showing the vegetation zones, area accidentally burnt in 2001 and study sites.

Table 1. Number of shearwater chicks and burrows found in the three study sites in 2013 (2012 data in brackets), and totals for years

	NISA	THISA	SISA	Total 2013	Total 2012
Wedge-tailed Shearwater	42 (41)	7(6)	32 (25)	81	72
Short-tailed Shearwater	20 (22)	22 (28)	55 (64)	97	114
Sooty Shearwater	0 (0)	0 (0)	0 (0)	0	0
Number of burrows	157 (149)	84 (74)	201 (193)	442	416
Occupied burrows (%)	39 (42)	35 (43)	43 (46)	40	45

More burrows but fewer chicks were found on the plots than in 2012 so the percentage of occupied burrows was lower than the year before.

Shearwater numbers on all three plots were close to or above the average numbers recorded over the years. (Not all study sites have been worked every year.) On NISA the total was 62 chicks, 2 fewer than the average of 64 ($n = 47$ years) for this plot; on THISA the total of 29 chicks was the same as the long-term average ($n = 22$ years); and on SISA the total of 87 was 22 above the long-term average of 65 ($n = 50$ years).

Numbers of Wedge-tailed Shearwater *Ardenna pacifica* were higher than in 2012 on all three study plots, continuing the trend of the two previous years. Weights were slightly higher than those measured in 2012 (average of 451 g compared with 446 g), despite the sample being taken a week earlier than the previous season; and the weight range was wider (137–705 g) than that found the previous year (213–695 g). All Wedge-tailed Shearwaters chicks were in full down (moult score 5).

Short-tailed Shearwater *Ardenna tenuirostris* chick numbers were lower on all plots than in 2012. Mean chick weight for this species was 548 g. Weights ranged from 230–804 g. All but 3 chicks were in full down, but this is to be expected at this earlier March date.

Chick densities were 800/ha for Wedge-tailed Shearwaters, an increase from the previous survey, and 956/ha for Short-tailed Shearwaters, a decrease from the previous survey, giving an overall shearwater density from the plots of 1755 chicks/ha. Burrow density was 4358 burrows/ha.

No Sooty Shearwater *Ardenna grisea* chicks were found this year.

General Observations of Birds, Mammals, Reptiles and Lepidoptera

BIRDS

Brown Quail *Coturnix ypsilophora*. Several coveys seen daily in various places included juveniles. The largest covey totalled 30 on 24 March. Identification of quail seen at this time last year is now questioned. It is more likely they were **Brown Quail**, not **Stubble Quail** *Coturnix pectoralis*.

Bar-shouldered Dove *Geopelia humeralis*. Two seen on the island in an area of regrowth on the W side of south island and 2 (presumably the same individuals) also seen near propagation sheds N of lighthouse on 23 March.

Fork-tailed Swift *Apus pacificus*. One seen flying N on the morning of 23 March.

White-faced Storm-Petrel *Pelagodroma marina*. A small colony was discovered in October 2012 occupying an area of low, dense coastal Saltbush *Rhagodia candolleana* on the S edge of north island. *Rhagodia* on this site has spread rapidly over the past few years. The site is at the head of a gulch at the western end of the steep cliff that runs along the S and SE side of north island. We cross this area at the top of the climb from the beach every year on our way to NISA. It is unlikely that storm-petrels could have bred here without detection much before 2012. Judging from the number of burrows ($n = 104$) under the *Rhagodia*, our estimate in October 2012 was that maybe 50 pairs had established a small colony in this patch. Two adult carcasses were found in October and a brief spotlight investigation after dark revealed tens of adults flying above and into the colony. In March 2013 we avoided crossing the area for fear of damaging the fragile burrows, although breeding activity should have finished in February. *Breeding not yet confirmed.*

Black-browed Albatross *Thalassarche melanophrys*. Six seen S of south island on 27 March and one adult seen on our return to Narooma on 28 March.

Shy Albatross *Thalassarche cauta*. Seven adults seen heading N on 26 March and 2 going S on 27 March.

Wedge-tailed Shearwater *Ardenna pacifica* and **Short-tailed Shearwater** *A. tenuirostris*. See Table 1. None seen when crossing to the island on 22 March. A few seen at sea most days and several **Short-**

tailed Shearwater passed the boat on our return to Narooma on 28 March. Little activity noted at night.

Fluttering Shearwater *Puffinus gavia*. One seen during crossing to the island on 22 March and singles at sea with Wedge-tailed and Short-tailed Shearwaters on 22 and 26 March.

Gould's Petrel *Pterodroma leucoptera*. A well-feathered chick was banded on 24 March (band number 062-7448). It was in a burrow where two adults were discovered ashore in October 2012. This site was at the foot of a steep bank close to sea level on the SW side of north island. The site is now heavily overlain by Kikuyu Grass. Another site with an adult present in October 2012 was now unoccupied, and there were no signs of breeding. This second site was in a rocky area along the cliff top SE and not far from NISA. *This is a first breeding record for the island.*

Little Penguin *Eudyptula minor*. Very little activity ashore. One adult seen in a burrow on THISA on 22 March but few seen or heard elsewhere on the island.

Australasian Gannet *Morus serrator*. A few observed (1–10) at sea most days, predominantly adults.

Great Cormorant *Phalacrocorax carbo*. Seen daily with maximum of 14 roosting on rocks on W side of south island.

Little Pied Cormorant *Phalacrocorax melanoleucos*. Seen every day roosting and fishing around the island. Maximum of 7 on 26 March.

White-faced Heron *Egretta novaehollandiae*. Seen daily with maximum of 7 at any one time, including one juvenile.

Eastern Reef Egret *Egretta sacra*. One dark morph on 23, 25 and 27 March on W side of south island.

Black-shouldered Kite *Elanus axillaris*. One on 26 and 27 March in thickets (Accidental burn area) W side of south island.

White-bellied Sea-Eagle *Haliaeetus leucogaster*. An immature seen on 23 March and an adult on 25 March.

Swamp Harrier *Circus approximans*. One dark individual seen on 25 March over north island.

Nankeen Kestrel *Falco cenchroides*. A juvenile and an adult male seen most days. Both seen fighting around the lighthouse on 24 March.

Peregrine Falcon *Falco peregrinus*. A pair or a single bird observed daily – usually on E side of north island. This pair harried the **White-bellied Sea-Eagle** seen on 23 March. One of the pair observed hunting migrating **Silvereye** on 25 March.

Buff-banded Rail *Gallirallus philippensis*. Very common this trip across the south island with up to 5 together in open areas. A juvenile bird seen on 27 March. Occasionally seen associating with **Brown Quail** coveys. Also heard on north island.

Sooty Oystercatcher *Haematopus fuliginosus*. Few seen: maximum of 3 pairs and 3 singles on south island and 2 singles on north island during whole island survey on 27 March.

Caspian Tern *Hydroprogne caspia*. Seen every day feeding or roosting on the W side of south island. A group of 7 individuals on 25 March included 2 juvenile birds being fed by adults. Maximum of 9 seen on 27 March.

Crested Tern *Thalasseus bergii*. Up to 20 seen daily, including juveniles being fed.

Silver Gull *Chroicocephalus novaehollandiae*. Twenty to 30 seen daily. A few late-hatched young still roaming near the N landing and near the lightstation – as occurred last year.

Fantail Cuckoo *Cacomantis flabelliformis*. One bird on south island in thickets on W side calling on 27 March

Yellow-faced Honeyeater *Lichenostomus chrysops*. Seen most days low numbers (up to 10), mainly in thickets on SW and W side of south island (Accidental burn zone).

Rose Robin *Petroica rosea*. One female or immature seen in thicket area on W side of south island on 27 March.

Golden-headed Cisticola *Cisticola exilis*. Not vocal and difficult to detect, but a few seen some days.

Little Grassbird *Megalurus gramineus*. Inconspicuous at this time of the year. None seen but calls heard on 27 March in two locations.

Silvereye *Zosterops lateralis*. Present in low numbers on all days, mostly in the thickets along the W side of south island. Passage noted on 25 March when a constant stream of flocks 20–30 strong seen throughout the day.

Welcome Swallow *Hirundo neoxena*. Seen daily. Maximum number of 40 on 23 March, lower on other days, suggesting passage that day.

Tree Martin *Petrochelidon nigricans*. Two adults seen heading N on 24 March.

MAMMALS

Seals. A count on 27 March gave 15 on SW side of south island and two groups on north island – 190 on rocks S of Pebbly Beach and 190 along the NW slopes – a total of at least 400 individuals. None were ashore at

the old haul-out site at the NE side of north island. Most, if not all, were thought to be **New Zealand Fur Seal** *Arctocephalus forsteri*.

REPTILES

White's Skink *Ergenia whitii*. Observed occasionally.

Grass Sun-skink *Lampropholis guichenoti*. Observed occasionally.

LEPIDOPTERA

Dingy Grass-skipper *Toxidia peron*. Common around flowering *Westringia fruticosa*.

Orchard Swallowtail *Papilio aegaeus*. One female seen on 22 March on south island.

Cabbage White *Pieris rapae*. Commonly seen across both islands daily.

Common Brown *Heteronympha merope*. Females commonly seen across both islands, particularly in more sheltered areas.

Yellow Admiral *Vanessa itea*. A few seen daily on both islands.

Lesser Wanderer *Danaus chrysippus*. One seen on south island on 26 March.

Common Grass-blue *Zizina labradus*. Common across lawn areas.

Acknowledgments

We are indebted to the NSW National Parks and Wildlife Service, Office of the Environment and Heritage, for hospitality while on the island. We thank Cassandra Bendixsen for organising our transport arrangements to and from the island, and Vanessa Place, Louise and Bronte Evans, and Dimitrios Bertzeletos for their contributions as members of the team.

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Appendix 1. Condition of vegetation in the zones shown in F

Accidental: Dense *Acacia longifolia*, *Westringia fruticosa* and occasional *Casuarina glauca* and *Eucalyptus botryoides*. Well established to 5–6 m. Thins out to the W to *Lomandra longifolia*.

Zone 1: Similar to Accidental. Well established, dense *Acacia longifolia* and *Westringia fruticosa*, with occasional *Casuarina glauca*. Almost entire area to 5–6 m.

Zone 2: Similar to Zone 1. Well established, dense *Acacia longifolia*, *Westringia fruticosa* and scattered *Casuarina glauca* with occasional *Banksia integrifolia* and *Eucalyptus botryoides*. Almost entire area to 5–6 m.

Zone 3: *Lomandra longifolia* with covering of *Kennedia rubicunda*. Spreading *Westringia fruticosa* to 1 m.

Zone 4: Similar to Zone 3.

Zone 5: Similar to Zone 1 and 2. Well established, dense *Acacia longifolia*, *Melaleuca armillaris*, *Westringia fruticosa* and scattered *Casuarina glauca* with occasional *Banksia integrifolia* and scattered *Eucalyptus botryoides*. Almost entire area to 5–6 m with *Casuarina glauca* and *Eucalyptus botryoides* to 6–7 m in gully.

Zone 6: *Melaleuca armillaris*, *Casuarina glauca* and *Acacia longifolia* to 4 m with occasional *Eucalyptus botryoides* patches to 6 m. Well vegetated but section to W of path sparse.

Zone 7: Sparse *Acacia longifolia*, *Banksia integrifolia*, *Melaleuca armillaris* and *Westringia fruticosa* to 1–2 m with occasional *Eucalyptus botryoides* to 5 m.

Zone 8: Dominated by *Lomandra longifolia* and a covering of *Kennedia rubicunda*. Section abutting Asset C and Zone 7 to the NE and small section abutting Asset C to the SE, *Acacia longifolia* to 3 m. Section abutting Accidental recovering from recent past spraying program but not replanted.

Zone 9: Dominated by *Lomandra longifolia*.

Asset A: Dominated by areas recovering from recent past spraying program but not replanted.

Asset B: Dominated by *Lomandra longifolia* and *Breynia cernua*.

Asset C: *Lomandra longifolia* with area of *Acacia longifolia* to 3 m.

The importance of the Eurobodalla for the Swift Parrot

Julie Morgan, Chris Tzaros and Dean Ingwersen

The Swift Parrot *Lathamus discolor* (White 1790) is listed as 'endangered' under the Commonwealth's Environment Protection and Biodiveristy Act 1999. The species breeds in Tasmania over spring and summer but migrates to the mainland in autumn where they overwinter in Victoria, New South Wales, the Australian Capital Territory and Queensland. The Swift Parrot disperses across a broad landscape and forages mainly on nectar and lerp in eucalypts. The Eurobodalla historically has been considered a location that the Swift Parrot moves through but its importance to the species was more clearly understood following more detailed and systematic surveys conducted in 2009 and 2012.

In 2009 there was widespread Spotted Gum *Corymbia maculata* flowering and numerous reports of Swift Parrots from the south coast of New South Wales, so BirdLife Australia's Woodland Bird project managers, Chris Tzaros and Dean Ingwersen, decided that they would visit the region. They surveyed sites known to support the species previously as well as additional areas of suitable but un-surveyed habitat. They started searching around Eden and Merimbula and found areas of Red Bloodwood *Corymbia gummifera* that seemed to be at the end of their flowering period. There were good numbers of nectar-feeders at some sites but no Swift Parrots, even though local birders in Merimbula located six birds at Tura Beach just days earlier. They continued north through the coastal forests, and once beyond Tathra, forests were composed mainly of Spotted Gum which was flowering intensely and attracting the largest numbers of nectar-feeding birds that they had come across for some time.

In the Eurobodalla, Chris and Dean located a large flock of 350 Swift Parrots foraging, loafing and flying about at the Corunna State Forest. The site was also used as a roost, which was significant as they knew of very few mainland roost sites. They continued their search through the flowering Spotted Gum forests of the Shire and found Swift Parrots at several other locations. Highlights were 60 plus birds at a site in the Benandarah State Forest and 120 in the Mogo State Forest. Over the course of the week, they had located over 600 birds on the south coast of New

South Wales. In a follow-up visit two weeks later, Chris detected up to 920 birds (almost half the known population) across the south coast, this time also taking into account a flock of 200-250 in the Mimosa Rock National Park at Nelson's Beach (discovered initially by local observers), and around 100 birds in the Bermagui State Forest. Spotted Gum blossom was abundant and was probably the main attractant for the Swift Parrots, but they were also observed feeding on lerp at most sites, gleaned from the foliage of Spotted Gum and other eucalypts. A summary of records from BirdLife Australia and the Eurobodalla Natural History Society (ENHS) for the Eurobodalla is provided in Table 1 below:

Table 1: Records of Swift Parrot in the Eurobodalla in 2009

Month	Location	Number
April	Moruya Heads south	15
May	Pedro Swamp	30
June	Benandarah State Forest	85
June	Mogo State Forest	120
June	Bodalla State Forest	34
June	Corunna State Forest	350
June	Bermagui State Forest	100
July	Bedandarah State Forest	37
July	Mogo State Forest	33
July	Bodalla Park	50
July	Corunna State Forest	250-300
August	Surf Beach	2
August	Mogo State Forest	50
August	Mystery Bay	2
August	Bermagui State Forest	50

Note: Bermagui State Forest falls just outside the Eurobodalla

In May 2012, the Spotted Gum flowered profusely from one end of the Eurobodalla to the other so Chris and Dean planned another visit. This time a number of ENHS members participated in the surveys and the sites where the Swift Parrot was recorded in 2009 were visited again. A total of 470 Swift Parrots were located from South Brooman State Forest in the

north to Mystery Bay in the south. ENHS Secretary, Julie Morgan, coordinated surveys to revisit the same sites in July/August, and with very few reports of the species in any other area of NSW, Victoria and Queensland, it was likely that the birds spent the winter in the Eurobodalla. Groups of 10 to 65 Swift Parrots were found in many of the same areas where they were recorded in May: the Boyne, Benandarah, and Mogo State Forests, but it was a discovery in the Bodalla State Forest that was to create history. ENHS members Dianne Deans, Lucy Gibson and Julie Morgan were conducting surveys on Mitchells Ridge Road in the Bodalla State Forest on Tuesday Augustth72012, when they found an estimated 600 birds feeding on Spotted Gum blossom. This was the largest single gathering of the species ever recorded so to get a better estimate of numbers, a group of ENHS members returned to the site the next day. More than 1000 birds were at the site resting and foraging in the forest to the north and south of Mitchells Ridge Rd. At sunset, a count of the birds returning to the site was conducted and 200 birds roosted by the roadside and 1000 used the gully to the south of road. This meant a total of 1200 Swift Parrots present in one spot, half of the total known population in Australia, and it is the greatest number of Swift Parrots ever recorded in the one location.

A total of 1600 birds were recorded in the July/August surveys. Because the Central Tilba group was found after the big group had dispersed from the Bodalla State Forest, it was assumed that this group had formed part of the 1200. A summary of the 2012 records are presented in Table 2 below.

The results of the surveys indicate that there is some loyalty to sites previously used by the Swift Parrot in the Eurobodalla, particularly at sites in the following State Forests: Boyne, Benandarah, Mogo, Bodalla and Bermagui. An analysis of the locations where Swift Parrots were found showed that they favour less populated, forested areas west of the highway. These forests are dominated by Spotted Gum, Blackbutt *Eucalyptus pilularis* and Grey Ironbark *Eucalyptus paniculata* and species of Stringybark. Records to the east of the highway show that the species tends to occur here in smaller groups. Large gatherings of the species coincide with widespread flowering of the Spotted Gums.

Table 2: Records of Swift Parrot in the Eurobodalla in 2012

Month	Location	Number
May	Boyne State Forest	212
May	Benandarah State Forest	65
May	Durras	20
May	Mogo State Forest	55
May	Pedro Swamp	20
May	Bodalla State Forest	55
May	Potato Point	25
May	Dalmeny	2
May	Kianga	4
May	Narooma	30
June	Pedro Swamp	15
June	Mystery Bay	20
July	Boyne State Forest	75
July	Benandarah State Forest	1
August	Boyne State Forest	56
August	Mogo State Forest	4
August	Broulee	15
August	Bodalla State Forest	1200
August	Central Tilba	500
August	Coolagolite	100
August	Fairhaven	5
August	Bermagui State Forest	135

Note: Boyne and Bermagui State Forests, Fairhaven and Coolagolite fall just outside the Eurobodalla.

These records have confirmed that the Eurobodalla and the south coast of New South Wales is an important wintering area for Swift Parrots, a fact reflected in the region being listed as an Important Bird Area (IBA) for the species by BirdLife Australia. To improve our understanding of the species as it moves across the mainland and the food resources that it utilises, it is important that monitoring continues in the forests in the Eurobodalla - particularly when the Spotted Gum flowering is intense.

Contributors to this issue

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D Bertzeletos, (DB) Batemans Bay.
L Burden, Moruya.
A Christiansen, (AC) Mystery Bay.
J & P Collett, (JC) Comerang.
J Cornish, Tuross.
R Corringham, (RC) Meringo.
A Cram, Moruya.
M Crowley, (MC) Moruya Heads.
D & S Deans, (DSD) ACT.
A Douch, (AD) Bermagui.
J Fearn, Broulee.
P Fullagar, (PF) ACT.
L Gibson, Dalmeny.
J & M Gordon, (JMG) Narooma.
I & A Grant, (IAG) Lilli Pilli.
M Grigg, Long Beach.
S&M Guppy, (SMG) Moruya.
A Harris, NPWS.
P & H Haughton, (PHH) Lilli Pilli.
I Hendley, Congo.
G Hogge.
J & J Houghton, (JH) Tuross.
C Howard, Narooma.
T Hunt, Old Man Bed Swamp.
D Ingwersen, Birdlife Australia.
M Johnson, (MJ) ACT.
D & H Kay, (DHK) Bergalia.
P Kingston, (PK) Moruya.
J Lane, NPWS.
P Latimer, (PL) Moruya.
D Lewin, Coolagolite.
J & J Liney, (JL) Moruya.
G Macnamara, (GM) Tuross.
A Marsh, (AM) Bingie.
G & L McVeigh, (GLM) Broulee.
G Mendel.
N Montgomery, (NM) Meringo.
J Morgan, (JM) Pedro Swamp.
A Morris.
C. Morrison, (CM) Tuross.
W Nelson, (WN) Tuross.
D Ondinea, (DO) Coolagolite.
P Parker, (PJP) Tuross.
H Perkins.
V Place, Moruya.
H Ransom, (HR) Mossy Point.
G Rayner, (GR) Tuross.
D Rosalky, ACT.
J Sagar, (JS) Pedro.
D Saunders.
B Scales, (BS) Narooma.
M Scott, Broulee.
W Simes, Coila.
H Smith.
J Thomson, (JT) Lilli Pilli.
C Tzaros, Birdlife Australia.
B & M Versey, Long Beach.
J Whiter, (JW) Guerilla Bay.

FM Field Meeting.

Place Name Abbreviations.

BB	Batemans Bay.
BBWG	Batemans Bay Water Gardens.
BI	Bermagui.
BP	Burrewarra Point.
CO	Congo.
Com	Comerang.
DS	Durras.
DY	Dalmeny.
ERBG	Eurobodalla Regional Botanic Gardens.
MB	Mystery Bay.
MHN	Moruya Heads North.
MHS	Moruya Heads South.
MKS	Maulbrooks Road South, Moruya.
MO	Meringo.
MYA	Moruya.
NA	Narooma.
OMBS	Old Man Bed Swamp.
PDD	Percy Davis Drive, Broulee.
PP	Potato Point.
PS	Pedro Swamp.
SB	Surf Beach.
TS	Tuross.
WL	Wallaga Lake.
NP	National Park.
SF	State Forest.