
Byron Wetlands and Vallances Road Avifauna Survey

Summary Report

2014



Whistling Kite

Byron Wetlands

photo by: Debra Pearse

This report has been commissioned by Byron Shire Council
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Australian Pelican - Pearse

1.0 Introduction.

The Byron Bird Buddies (BBB) has previously supplied Byron Shire Council (BSC) with five avifauna monitoring reports since 2008. As with the objective of the previous reports, the purpose of this study is to build on the results of monitoring of the avifauna populations at Byron Wetlands (Byron Bay) and Vallances Road STP (Mullumbimby), in order to determine trends in bird diversity and populations at these two sites. This summary report provides only a brief breakdown of the results of the observations made during 2014 and provides a record of these observations in an Excel Spreadsheet.

1.1 Background - Byron Bird Buddies (BBB) is a not-for-profit organisation and a locality group of Brunswick Valley Landcare Inc. BBB undertakes community avifauna education, monitoring and conservation activities within Byron Shire and extends the education program into surrounding shires as required.

1.2 Byron Wetlands - The construction of the Byron Sewage Treatment Plant (STP) commenced in 2001. The site was typically low lying coastal plain comprising paperbark swamp forests, sedge lands and fern lands prior to the STP construction. The wetlands now comprise a number of settling ponds with one pond (Cell H) required to be managed specifically with regard to threatened species, migratory waders and regionally significant species. The legislated management requirements were established to ameliorate ecological losses associated with the development of the STP. A variety of water levels, plant diversity and monitoring measures are required to maintain the habitat diversity and provide bases for the assessment in addressing any deleterious changes (West Byron Wetlands "Cell H" Management Plan Feb 2006).

1.3 Vallances Road - Byron Shire Council purchased land at Vallances Road in 2006 for the development of the Mullumbimby Sewage Treatment Plant. Since purchase, BSC have extensively re-vegetated the site with native plant species and regular weed management is being undertaken. The re-planted areas are now well established. Grazing of cattle continued up until mid 2010 and now with all re-vegetated areas fenced off, grazing of cattle by agistment recommenced in July 2012.

1.4 Objectives - As for the previous reports the objectives continue to be:

- To identify all known bird species utilising the study sites
- To count waterbird and shorebird numbers
- To identify avifauna species in the NSW Threatened Species conservation Act (1995)
- To identify shorebirds covered by International Agreements, such as the JAMBA, CAMBA & ROKAMBA agreement with Japan, China & Korea
- To identify breeding activity
- To present data in an Excel spreadsheet
- This summary report does not aim to provide discussion of trends in avifauna diversity, abundance or habitat use or recommendations but it is recommended that a full report is provided after the 2016 observation period.



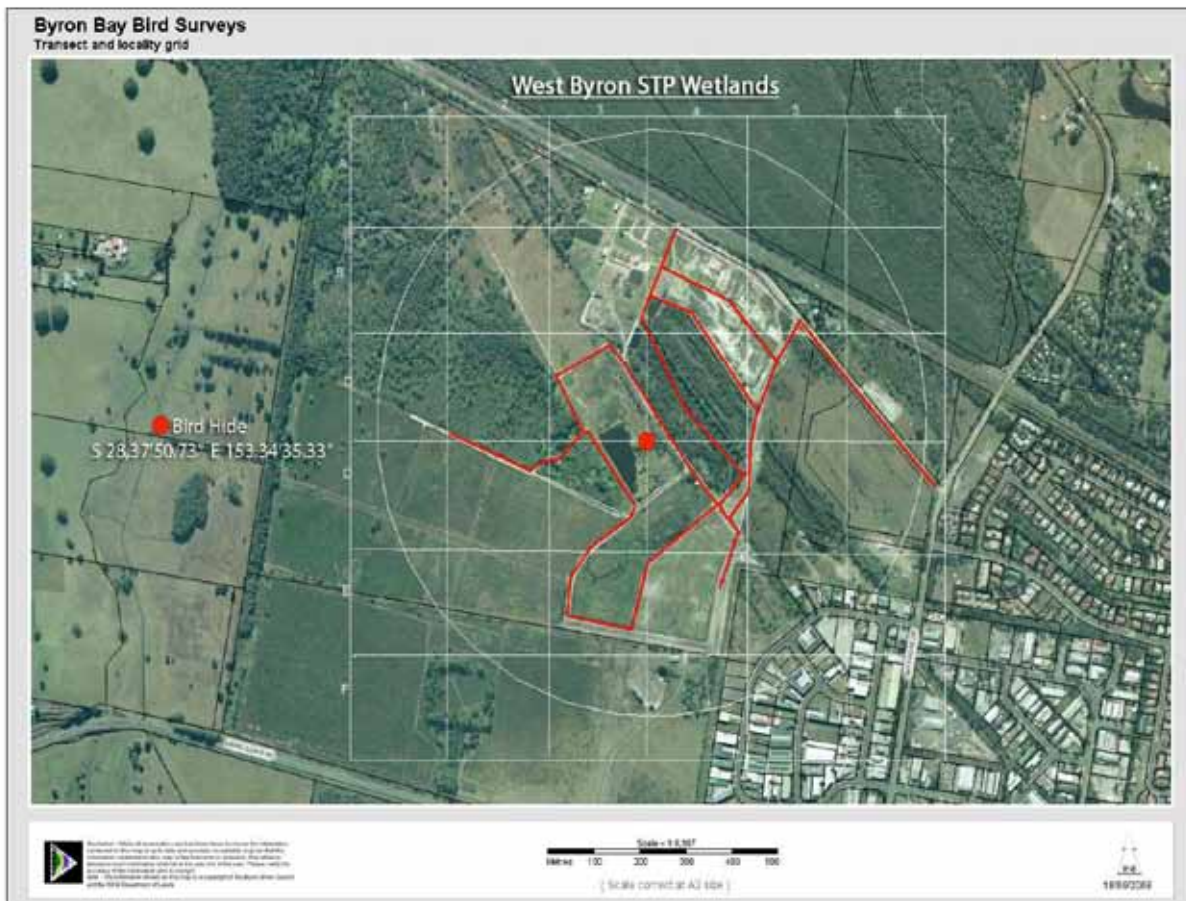
Rainbow Bee-eater

<- Pearse ->



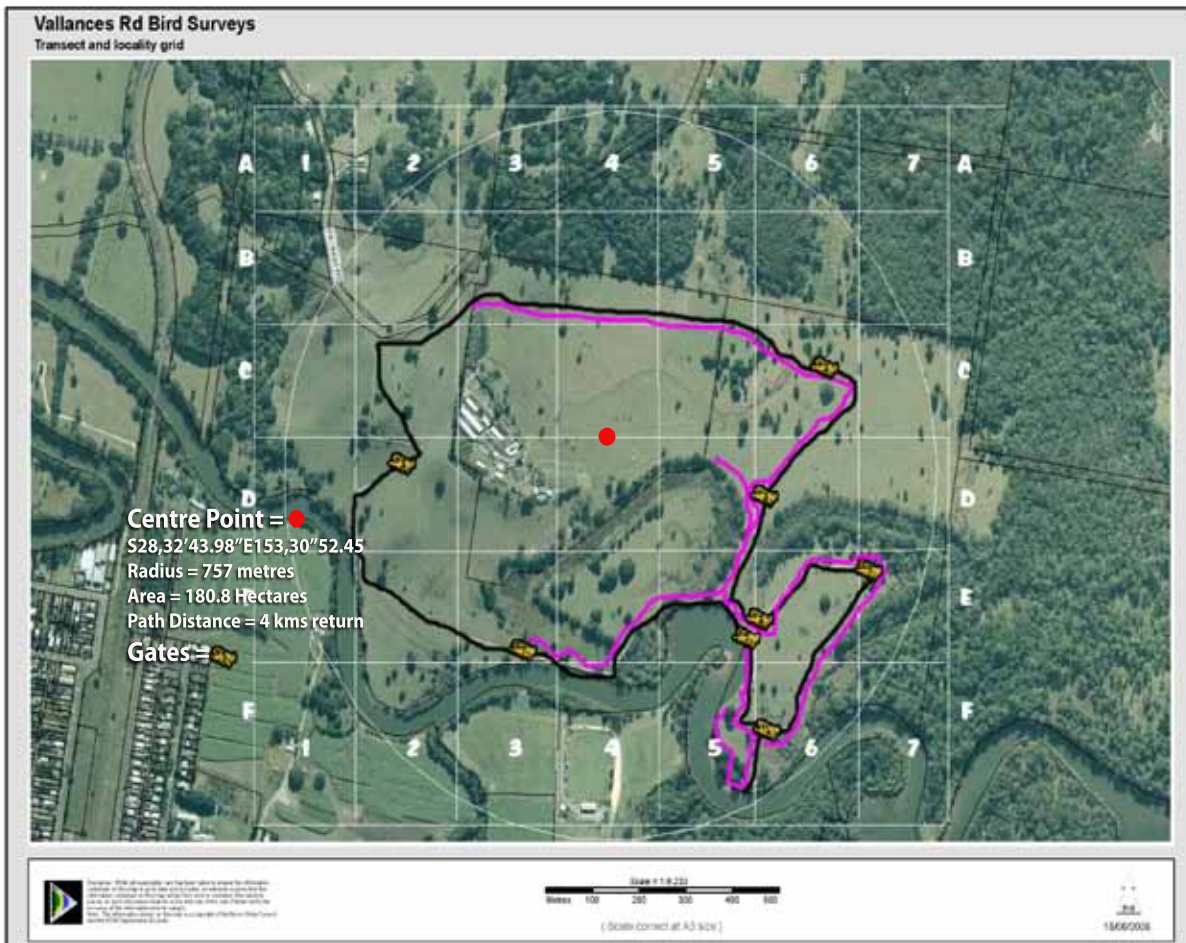
Latham's Snipe, Red-kneed Dotterel & Red-necked Stint

Figure 1. Byron Wetlands transect and locality grid Map. Source – Byron Shire Council



Tracks walked for the four hourly surveys identified as red.

Figure 2. Vallances Road transect and locality grid Map. Source – Byron Shire Council.



Tracks walked for the four hourly surveys identified as pink.

2.0 Field Survey

2.1 General - Byron Wetlands and Vallances Road (Refer to Report 2013 for site detail & methods).

As with past surveys, observations were recorded by traversing the tracks marked on the maps, (refer to **Figures 1 and 2**).

However, unlike previous years where three diurnal and three nocturnal surveys were conducted, only three diurnal surveys of 4 - 6 hour duration were conducted for the Byron Wetlands and Vallances Road. A number of partial surveys, including an hour of nocturnal observations were conducted at Byron Wetlands as monitoring for BirdLife Shorebird 2020 program continued. Observations from Duncan Fowler were obtained online from a report to eBird and Gus Daly provided his survey observations to BBB.

2.2 Byron Wetlands Survey Dates and Times

Table 1. Byron Wetlands - Survey Dates and Times

| Ref No. | Date | Time | Who | Total Hours.Minutes | | | |
|----------------------------|----------|---------------|---------------|---------------------|-------------|-----------|-----------|
| | | | | Diurnal | Nocturnal | Call Back | Spotlight |
| 1 | 04/01/14 | 16.30 - 21.30 | Duncan Fowler | No record | | | |
| 2 | 16/02/14 | 17.00 - 18.30 | BBB - 2020 | 1.30 | | | |
| 3 | 19/02/14 | 08.00 - 13.00 | BBB - BVBW | 5.00 | | | |
| 4 | 20/02/14 | 08.00 - 13.00 | Gold Coast | 3.35 | | | |
| 5 | 23/02/14 | 11.00 - 15.00 | BBB - 2020 | 4.00 | | | |
| 6 | 19/04/14 | 08.00 - 11.00 | BBB - | 3.00 | | | |
| 7 | 28/05/14 | 13.15 - 14.30 | BBB - 2020 | 1.25 | | | |
| 8 | 08/06/14 | 07.30 - 11.30 | BBB- BLNR | 4.00 | | | |
| 9 | 22/06/14 | 10.00 - 13.00 | BBB - 2020 | 3.00 | | | |
| 10 | 20/07/14 | 10.30 - 12.00 | BBB - 2020 | 1.30 | | | |
| 11 | 06/09/14 | 09.00 - 10.00 | BBB - 2020 | 2.00 | | | |
| 12 | 21/09/14 | 08.00 - 12.30 | BBB - 2020 | 4.30 | | | |
| 13 | 01/10/14 | 08.00 - 13.00 | BBB - BVBW | 5.00 | | | |
| 14 | 04/10/14 | 07.00- 10.00 | Gus Daly | 3.00 | | | |
| 15 | 24/10/14 | 15.00 - 17.00 | BBB - | 2.00 | 1.00 | | |
| 16 | 04/12/14 | 07.00 -10.00 | BBB - | 3.00 | | | |
| 17 | 07/12/14 | 13.30 -16.00 | BBB - 2020 | 2.30 | | | |
| Total Hours = 50.00 | | | | 49.00 | 1.00 | | |

Key to Surveys: Blue - BBB x 4 hourly; Yellow, non-BBB: Unshaded - Shorebird 2020 & Partial survey.

2.3 Vallances Road Survey Dates and Times

Table 2. Vallances Road - Survey Dates and Times

| Ref No. | Date | Time | Who | Total Hours.Minutes. | | | |
|----------------------------|----------|--------------|------------|----------------------|-----------|-----------|-----------|
| | | | | Diurnal | Nocturnal | Call Back | Spotlight |
| 1 | 26/07/14 | 08.00 -15.00 | BBB - | 7.00 | | | |
| 2 | 10/08/14 | 07.30 -14.00 | BBB - BLNR | 7.00 | | | |
| 3 | 12/12/12 | 08.00 -13.00 | BBB - BVBW | 5.00 | | | |
| Total Hours = 19.00 | | | | 19.00 | | | |

Key to Surveys: Blue - BBB x 4 hourly; Yellow - non-BBB



Black Swans - Pearse

3.0 Results of Byron Wetlands Surveys

3.1. Results - General Observation

Total Species - A total of 150 bird species were identified between the 04/01/14 to 07/12/14, from a previously identified total of 229 for the site. This total is three species less than the 2013 reporting period. Considering that the total number of hours of survey time was less than the previous report period and nocturnal surveys were not conducted during 2014, the results are very comparable to the previous reporting years.

New Species - Two new species were observed for the site; the Long-billed Corella (Steve McBride) and the Yellow-rumped Thornbill (BVBW)

Shorebird Species - Nine shorebird species were observed from a previously reported total of 26 for the site. Shorebird species have been gradually declining at the site since 2001 with many of the species on the Byron Wetland Avifauna List not being recorded since 2002. For the past several years, water-levels in H Cell have generally been too high during the summer months for any prolonged use of the site by migrating shorebirds. A migrating Common Greenshank was recorded for a short period in December; there has not been a record sighting of this species since 2005.

Threatened Species - Eight threatened species were recorded during 2014;

- Magpie Goose - (Vulnerable) - 2 birds recorded during February
- Freckled Duck - (Vulnerable) - 12 birds were observed during February
- Black-necked Stork - (Endangered) - 1 and 2 birds were observed throughout the year.
- Australasian Bittern - (Endangered)- a single bird was observed in January/February and again in June
- Eastern Osprey -(Vulnerable) – a single bird was recorded in October
- Spotted Harrier - (Vulnerable) – a single bird was recorded in June
- Little Eagle - (Vulnerable) – a single bird was recorded in June
- Comb-crested Jacana - (Vulnerable) – numbers varied between 0-8, however, for the last 6 months of 2014 only one juvenile was observed and Jacanas were not present on two surveys in October.



Magpie Geese - Pearse



Eastern Rosella - Pearse



Black-necked Stork - Pearse

A breakdown of avifauna species observed during 2014 into broad family groups is provided in **Table 3**. The table compares them with the total number of avifauna species recorded for the site, since 2002. The comparison to past data provides a broad indication of species abundance trends for the site.

Table 3 - Byron Wetlands Avifauna Abundance by Family Groups

| Byron Wetlands | | | | | | | | |
|------------------------------|---|----------------------|----------------------|-----------------------|----------------------|----------------------|----------------------|-------------------------------------|
| | Reports | 2014 | 2013 | 2012 | 2010-11 | 2009-10 | 2008-09 | |
| Family Group No. Excel sheet | Family | 04/01/14 07/12/14 | 16/01/13 21/12/13 | 13/01/12- 30/12/12 | 21/08/10 12/01/12 | 08/08/09 06/07/10 | 06/07/08 30/06/09 | Maximum Species for site since 2000 |
| 1 | Mound-Builders & Quails | 1 | 2 | 1 | 2 | 2 | 2 | 4 |
| 2 | Swans, Geese, Ducks & Grebes | 13 | 13 | 7 | 10 | 9 | 10 | 17 |
| 3 | Pigeons & Doves | 8 | 7 | 6 | 9 | 7 | 6 | 12 |
| 4 | Frogmouths, Nightjars & Swifts | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 6 | Frigatebirds & Cormorants | 5 | 5 | 5 | 5 | 4 | 6 | 7 |
| 7 | Hérons, Ibis, Spoonbills & Allies | 14 | 14 | 14 | 15 | 14 | 14 | 17 |
| 8 | Birds of Prey | 12 | 10 | 10 | 12 | 12 | 8 | 20 |
| 9 | Brolga | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 10 | Crakes, Rails & Gallinules | 6 | 9 | 8 | 9 | 9 | 4 | 11 |
| 11 | Shorebirds | 9 | 12 | 10 | 10 | 13 | 8 | 26 |
| 13 | Gulls, Terns | 2 | 1 | 2 | 3 | 2 | 1 | 5 |
| 14 | Cockatoos, Parrots | 8 | 8 | 8 | 7 | 6 | 7 | 11 |
| 15 | Cuckoos | 5 | 5 | 7 | 6 | 7 | 6 | 9 |
| 16 | Owls | 0 | 1 | 0 | 1 | 1 | 0 | 3 |
| 17 | Kingfishers, Rollers, Bee-eater | 6 | 6 | 6 | 6 | 6 | 5 | 6 |
| 20 | Fairy-wren | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 21 | Scrubwrens, Allies, Pardalote | 7 | 5 | 4 | 6 | 8 | 7 | 10 |
| 22 | Honeyeaters | 12 | 13 | 11 | 10 | 12 | 12 | 13 |
| 23 | Quail-thrushes, Allies | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 24 | Cuckoo-shrikes, Trillers | 2 | 2 | 3 | 3 | 4 | 3 | 5 |
| 25 | Whistlers, Shrike-thrushes | 6 | 6 | 6 | 6 | 5 | 5 | 6 |
| 26 | Woodswallows | 1 | 2 | 1 | 1 | 1 | 1 | 3 |
| 27 | Magpies, Butcherbirds | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| 28 | Fantails | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| 29 | Ravens, Mud-nesters | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 30 | Flycatchers, Monarchs | 4 | 3 | 3 | 4 | 3 | 3 | 6 |
| 31 | Robins, Old World Warblers, White-eyes | 6 | 6 | 6 | 5 | 6 | 6 | 9 |
| 32 | Swallows, Martins | 3 | 3 | 3 | 4 | 3 | 3 | 3 |
| 33 | Thrushes, Starlings, Mynas, Flowerpeckers | 2 | 2 | 2 | 2 | 2 | 2 | 4 |
| 34 | Finches, Mannikins, Sparrow | 3 | 3 | 3 | 3 | 3 | 3 | 4 |
| 35 | Pipits, Wagtails, Others | 1 | 2 | 1 | 1 | 1 | 0 | 2 |
| | Total Species | 150 | 153 | 140 | 154 | 154 | 135 | 229 |
| | Total Family Groups = 31 | | | | | | | |

The Excel spreadsheet data at **Appendix 1 and 2**, records the habitat the bird was observed in. Many bird species may be observed in a number of different types of habitat, but generally a species has a tendency to feed in one predominate type of habitat. As previous reports have established the preferred habitat, the data spreadsheet now provides one column dedicated to the preferred habitat.

4. Results of Vallances Road Surveys

4.1 Results - General Observations

- **Total Species** - A total of 116 bird species were identified between the 26/04/14 to 10/12/14, from a previously recorded total of 160 for the site. This total is three species less than that recorded in the 2013 reporting period. Again, considering that the total number of hours of survey time was less than in the previous report period, that observations were not taken in the summer months and that nocturnal surveys were not conducted during 2014, the results are very comparable to the previous reporting years. Of significance was the 94 species recorded in the 4 hour survey in August; this is the highest number of species recorded in a single survey since May 2007, when surveys first commenced.
- **New Species** - One new species was observed; a single Comb-crested Jacana was reported by BSC staff and recorded by BBB on the lily pads in the small pond in Grid C3 for a few weeks in April.
- **Shorebird Species** - Five shorebird species were observed from a previous recorded total of 8 for the site; Black-winged Stilt, Black-fronted Dotterel, Red-kneed Dotterel, Masked Lapwing and the Comb-crested Jacana. Shorebirds like open space to feed and breed and, except for the Jacana, all the other shorebird species feed on exposed mudflats and tolerate brackish water. However, the exposed mudflats will be reduced as the mangroves advance and overtake the site making the habitat unsuitable for the shorebirds.
- **Threatened Species** - Two threatened species were recorded during 2014
 - Eastern Osprey - (Vulnerable) - a single bird was recorded in August and December
 - Comb-crested Jacana - (Vulnerable) – a single bird was observed in April.



Byron Bay Cubs visit to the Byron Wetlands to learn about Birds - November 2014 - Jones



Australasian Bittern - Pearse



Black-shouldered Kite - Pearse

Avifauna species observed at Vallances Road during 2014 are broken down into broad family groups in **Table 4**. The table compares them with the total number of avifauna species recorded for the site since 2007, the comparison to past data gives a broad indication of species abundance trends for the site.

Table 4 - Vallances Road Avifauna Abundance by Family Groups

| Vallances Road | | | | | | | | |
|------------------------------|--|-------------------|------------------|------------------|-------------------|--------------------|------------------|---------------------------------|
| Family Group No. Excel sheet | Reports | 2014 | 2013 | 2012 | 2010-11 | 2009-10 | 2008-09 | Maximum for site since 03/05/07 |
| | Family Groups | 26/04/14-10/12/14 | 20/3/13-27/11/13 | 25/7/12-23/01/13 | 02/02/11-28/12/11 | 24/10/09-18/7/2010 | 03/05/07-27/06/0 | |
| 1 | Mound Builders, Quail | 1 | 2 | 0 | 2 | 1 | 2 | 2 |
| 2 | Swans, Ducks, Grebe | 5 | 5 | 5 | 4 | 2 | 2 | 7 |
| 3 | Pigeons, Doves | 9 | 9 | 9 | 9 | 10 | 10 | 10 |
| 4 | Frogmouths, Nightjars, Swifts | 1 | 2 | 2 | 1 | 1 | 2 | 3 |
| 6 | Frigatebirds, Gannets, Cormorants | 4 | 4 | 4 | 5 | 4 | 5 | 5 |
| 7 | Hérons, Ibis, Spoonbills, Allies | 9 | 11 | 12 | 12 | 9 | 11 | 14 |
| 8 | Birds of Prey | 10 | 8 | 11 | 11 | 10 | 9 | 15 |
| 10 | Crakes, Rails | 3 | 3 | 3 | 4 | 3 | 4 | 5 |
| 11 | Shorebirds | 5 | 5 | 6 | 5 | 4 | 3 | 7 |
| 14 | Cockatoos, Parrots | 8 | 6 | 7 | 7 | 7 | 8 | 8 |
| 15 | Cuckoos | 4 | 6 | 5 | 6 | 5 | 4 | 6 |
| 16 | Owls | 0 | 1 | 0 | 2 | 3 | 1 | 3 |
| 17 | Kingfishers, Rollers, Bee-eaters | 6 | 6 | 6 | 5 | 5 | 6 | 7 |
| 18 | Pittas, Treecreepers | 0 | 1 | 0 | 2 | 1 | 0 | 2 |
| 19 | Bowerbirds | 1 | 1 | 0 | 1 | 2 | 1 | 2 |
| 20 | Fairy-wrens | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 21 | Scrubwrens, Allies, Pardalotes | 6 | 8 | 7 | 9 | 5 | 5 | 9 |
| 22 | Honeyeaters | 10 | 8 | 9 | 9 | 9 | 9 | 11 |
| 23 | Quail-Thrushes, Allies | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 24 | Cuckoo-shrikes, Trillers | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| 25 | Whistlers, Shrike-thrushes, Figbird, Orioles | 6 | 6 | 6 | 6 | 5 | 6 | 6 |
| 26 | Woodswallows | 0 | 1 | 0 | 1 | 1 | 2 | 2 |
| 27 | Magpies, Butcherbirds | 5 | 5 | 5 | 5 | 4 | 5 | 5 |
| 28 | Fantails | 3 | 3 | 3 | 3 | 2 | 2 | 3 |
| 29 | Crows | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 30 | Flycatchers, Monarchs | 3 | 4 | 2 | 5 | 3 | 3 | 5 |
| 31 | Robins, Old World Warblers, White-eyes | 4 | 3 | 5 | 2 | 4 | 6 | 6 |
| 32 | Swallows, Martins | 2 | 1 | 1 | 2 | 3 | 2 | 3 |
| 33 | Thrushes, Starlings, Mynas, Flowerpeckers | 2 | 2 | 1 | 2 | 1 | 2 | 2 |
| 34 | Finches, Mannikins, Sparrows | 2 | 1 | 2 | 1 | 1 | 1 | 2 |
| 35 | Pipits, Wagtails, Others | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| | Total | 116 | 120 | 119 | 129 | 113 | 120 | 159 |
| | Total Family Groups = 31 | | | | | | | |

For a full record of the habitat, family group and the grid where the bird was observed refer to the spreadsheet, **Appendix 2**.

5. Conclusion

The surveys demonstrate that both sites continue to support a significant abundance of avifauna species, even though the habitats are somewhat different. Allowing for the nomadic and migratory nature of avifauna, very little variation in species diversity has occurred from previous report periods; this is despite the reduction in the number of surveys hours conducted for this report period. Species populations are not analysed, but some species have had seasonally large populations with 70 Grey Fantails, being observed at Vallances Road in August, and 25 Latham's Snipe at the Byron Wetlands in December.

As in previous years, the water levels in the cells at Byron Wetlands are usually too high to support shorebirds for long periods of time, especially during the shorebird summer migration period.

Birds are considered to be good bio-indicators of habitat health, therefore regular monitoring of avifauna species continues to be recommended for contributing important information that will assist in future management of both sites, and for up-to-date knowledge of changes in species diversity and abundance in the Shire.

6. References

The Slater Field Guide to Australian Birds - 2nd Edition - Peter, Raoul and Pat Slater

The Field Guide to the Birds of Australia - Graham Pizzey and Frank Knight

Shorebirds of Australia – Andrew Geering, Lindsay Agnew and Sandra Harding

Simpson and Day Field Guide to the Birds of Australia - 6th Edition - Ken Simpson, Nicolas Day and Peter Trusler

Michael Morcombe Field Guide to Australian Birds - New Edition Revised and Updated

BirdLife Australia - Birds in Backyards website

A Field Guide to Australian Birdsong CD (BOAC)

The Michael Morcombe eGuide to Australian Birds - M. Morcombe and D. Stewart

West Byron "Cell H" Management Plan 2006

West Byron Sewage Treatment Plant Weed Management Strategy 2005

Byron Bay Integrated Water Management Reserve Constructed Wetland Operational Management Plan

West Byron Visitor Education and Impact Plan

West Byron Monitoring and Impact Verification Plan

Systematics and Taxonomy of Australian Birds - Les Christidis and Walter E. Boles, 2008

7.0 Appendix

1. BBB - Byron Wetlands Excel Spreadsheet

2. BBB - Vallances Road Excel Spreadsheet



BBBW & BBB - Vallances Road Dec 2014 - Lutter



Presentation Evening at the Wetlands - Olley



Little Shrike-thrush - Jones



White-necked Herons - Jones



Whistling Kite - Pearse



Leaden Flycatcher - Pearse



Glossy Ibis - Pearse



Shining Bronze-Cuckoo - Pearse



White-breasted Woodswallows - Pearse

| Vallances Road - Survey Sheet | | Latitude S28°32.43.98 Longitude E153°30.52.45 | | | | |
|--|-----|---|-----------------------------|---|---|--|
| Key (O) = observed; H=heard; o=flying over; p=nesting; b=breeding; e=hatched; j=juvvenile; n=not noted; p=partial or partially observed; All = three areas or more | | | | | | |
| Habitat (H) = 1 = aquatic; 2 = forest or isolated trees; 3 = freshwater wetlands; 3A = tidal wetlands; 4 = mangroves; 5 = pasture; 6 = plantings; 7 = estuarine; 8 = reeds/lag grasses | | | | | | |
| Movement (M - Column F) = S = Sedentary; N=Nomadic; V=Migrant; M=Migrant; WP=Migrant Bush Bird; MV=Migrant Shorebird | | | | | | |
| Headings = E = External migrant or f = migrates within Australia | | | | | | |
| No = species number; tax= no of family group; X = observed or counted; O = observation H = habitat; G = map grid reference; M = Mark Fitzgerald's Obs for BSC; DC = David Charley | | | | | | |
| No | Tax | Scientific Name | Observer | M | H | |
| * = Threatened Species is highlighted - V = Vulnerable | | | | | | |
| # = see notes below | | | | | | |
| 1 | 1 | Australian Brush-monkey | Alcedo leachii | S | 0 | |
| 2 | 2 | Australian Wood Duck | Ceryle alcyon | S | 0 | |
| 3 | 2 | Grey Fantail | Rhipidura flabellifera | S | 0 | |
| 4 | 2 | Pacific Black Duck | Anas superciliosa | S | 3 | |
| 5 | 2 | Pied-billed Grebe | Pedicularis alpestris | S | 3 | |
| 6 | 2 | Australian Grebe | Pedicularis alpestris | S | 3 | |
| 7 | 3 | White-headed Pigeon | Columba leucocephala | S | 2 | |
| 8 | 3 | Spotted Dove | Streptopelia chinensis | S | 2 | |
| 9 | 3 | Brown Cuckoo-Dove | Macropygia amblyramphos | S | 2 | |
| 10 | 3 | Emerald Dove | Chalcophaps indica | S | 2 | |
| 11 | 3 | Peaceful Dove | Geopelia striata | S | 2 | |
| 12 | 3 | Crested Pigeon | Ocyropsops phoeniceus | S | 2 | |
| 13 | 3 | Brown-winged Dove | Geopelia humeralis | S | 2 | |
| 14 | 3 | Wonga Pigeon | Lancospora picta | S | 2 | |
| 15 | 3 | Topknot Pigeon | Lopholaima amurensis | S | 2 | |
| 16 | 4 | White-throated Noddy | Fregata minor | S | 2 | |
| 17 | 6 | Australian Darter | Anhinga melanogaster | S | 2 | |
| 18 | 6 | Little Pied Cormorant | Microcarbo melanoleucos | S | 2 | |
| 19 | 6 | Little Black Cormorant | Phalacrocorax sulcirostris | S | 2 | |
| 20 | 6 | Pied Cormorant | Phalacrocorax varius | S | 2 | |
| 21 | 7 | Australian Pelican | Pelecanus amphyloides | S | 2 | |
| 22 | 7 | White-necked Heron | Ardea pacifica | S | 2 | |
| 23 | 7 | Eastern Great Egret | Ardea alba | S | 2 | |
| 24 | 7 | Cattle Egret | Ardea alba | S | 2 | |
| 25 | 7 | Straited Heron | Butorides striatus | S | 2 | |
| 26 | 7 | White-faced Heron | Egretta novaezealandiae | S | 2 | |
| 27 | 7 | Australian White Ibis | Thalasseus melanoleucos | S | 2 | |
| 28 | 7 | Spaw-necked Ibis | Thalasseus melanoleucos | S | 2 | |
| 29 | 7 | Royal Spoonbill | Plegadis spinirostris | S | 2 | |
| 30 | 7 | Eastern Osprey + V | Pandanus erianus | S | 2 | |
| 31 | 8 | Black-necked Stilt | Limosa limosa | S | 2 | |
| 32 | 8 | White-necked Stilt | Limosa limosa | S | 2 | |
| 33 | 8 | Whistling Kite | Pernis ptilorhynchus | S | 2 | |
| 34 | 8 | Brahminy Kite | Pernis ptilorhynchus | S | 2 | |
| 35 | 8 | Brown Goshawk | Accipiter fasciatus | S | 2 | |
| 36 | 8 | Collared Sparrowhawk | Accipiter erythrophthalmus | S | 2 | |
| 37 | 8 | Grey Goshawk | Accipiter novaehollandiae | S | 2 | |
| 38 | 8 | Swamp Harrier | Circus approximans | S | 2 | |
| 39 | 8 | Wedge-tailed Eagle | Aquila audax | S | 2 | |
| 40 | 10 | Purple Swamphen | Porphyrho porphyrio | S | 2 | |
| 41 | 10 | Buff-banded Rail | Gallinula philippensis | S | 2 | |
| 42 | 10 | Dark-billed Rail | Gallinula melanotos | S | 2 | |
| 43 | 11 | Black-winged Stilt | Himantopus himantopus | S | 2 | |
| 44 | 11 | Black-fronted Dotterel | Elanoides forbesi | S | 2 | |
| 45 | 11 | Red-tailed Dotterel | Erythroporum erianus | S | 2 | |
| 46 | 11 | Masked Lapwing | Limicola maculosa | S | 2 | |
| 47 | 11 | Comb-crested Jacana | Irediparra gallinacea | S | 2 | |
| 48 | 14 | Yellow-tailed Black Cuckoo | Calyptorhynchus fuliginosus | S | 2 | |
| 49 | 14 | Galah | Eolophus roseicapilla | S | 2 | |
| 50 | 14 | Little Corella | Cacatua sanguinea | S | 2 | |
| 51 | 14 | Sulphur-crested Cuckoo | Cacatua galactea | S | 2 | |
| 52 | 14 | Rainbow Lorikeet | Eopsittacus nanus | S | 2 | |
| 53 | 14 | Scaled-breasted Lorikeet | Eopsittacus chloropygus | S | 2 | |
| 54 | 14 | Australian King-parrot | Alisterus scapularis | S | 2 | |
| 55 | 14 | Faeries Parrot | Paparoeca eremita | S | 2 | |
| 56 | 15 | Plains Quail | Centropus pinnatus | S | 2 | |
| 57 | 15 | Channel-billed Cuckoo | Circus hudsonius | S | 2 | |
| 58 | 15 | Shining Bronze Cuckoo | Circus hudsonius | S | 2 | |
| 59 | 15 | Fan-tailed Cuckoo | Coccyzus albigularis | S | 2 | |
| 60 | 17 | Azure Kingfisher | Ceryle alcyon | S | 2 | |
| 61 | 17 | Laughing Kookaburra | Dacelo novaeguineae | S | 2 | |
| 62 | 17 | Forest Kingfisher | Ptilinopus maculatus | S | 2 | |
| 63 | 17 | Sacred Kingfisher | Ptilinopus sanctus | S | 2 | |
| 64 | 17 | Rainbow Bee-eater | Mergops ornata | S | 2 | |
| 65 | 17 | Dallbird | Eurysystus orientalis | S | 2 | |
| 66 | 19 | Regent Bowerbird | Sericornis chryscephalus | S | 2 | |
| 67 | 20 | Superb Fairy-wren | Melanerpes cyaneus | S | 2 | |
| 68 | 20 | Red-backed Fairy-wren | Melanerpes melanocephalus | S | 2 | |
| 69 | 20 | Variagated Fairy-wren | Melanerpes lamberti | S | 2 | |
| 70 | 21 | White-browed Scrubwren | Sericornis frontalis | S | 2 | |
| 71 | 21 | Large-billed Scrubwren | Sericornis magnirostris | S | 2 | |
| 72 | 21 | White-throated Greywren | Geopelia albigularis | S | 2 | |

