



# **Aerial Survey of Wetland Birds in Eastern Australia - October 2017 Annual Summary Report**

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## **2017 Aerial Survey of Wetland Birds in Eastern Australia Summary**

1. Temperatures were well-above average for Australia during 2017. Rainfall was above average for Australia as a whole for 2017, but with marked regional variation. However, rainfall has been below average in Tasmania, eastern Victoria, much of New South Wales and inland Queensland (BOM 2017). Dry conditions persisted throughout central and western Queensland, with much of the state remaining drought declared (Qld Dept of Agriculture & Fisheries 2017)

# Figure 1. Wetland map 2017

- Full
  - Partially full and/or drying
  - Dry
- 10 (20°30'S)  
9 (22°30'S)  
8 (24°30'S)  
7 (26°30'S)  
6 (28°30'S)

## Key to wetlands from W-E, by band

- 10 Lake Moondarra, Cloncurry River, Flinders River, Campaspe R, Burdekin R
- 9 Georgina R, Eyre Ck, Hamilton R, Diamantina R, Lake Galilee, Styx R
- 8 Mumbleberry-Torquinnie Lakes, Eyre Ck, Diamantina R, Thomson R, Barcoo R, various small coastal wetlands
- 7 Goyder Lagoon, Lake Yamma Yamma, Cooper Ck, Bulloo R, Paroo R, Warrego R
- 6 Lake Eyre, Lake Hope, Bulloo R, Paroo R, Warrego R, Balonne R,
- 5 Lake Frome, Paroo O'flow, Darling R, Macquarie Marshes
- 4 Menindee Lakes, Talywalka Lakes, Myall Lakes
- 3 Murray River Lakes, Lowbidgee wetlands
- 2 Coorong, Cooper + Mokoan Lakes, Cooma-Monaro
- 1 Curdies Inlet, Jack Smith Lake

Figure 2. Total wetland area

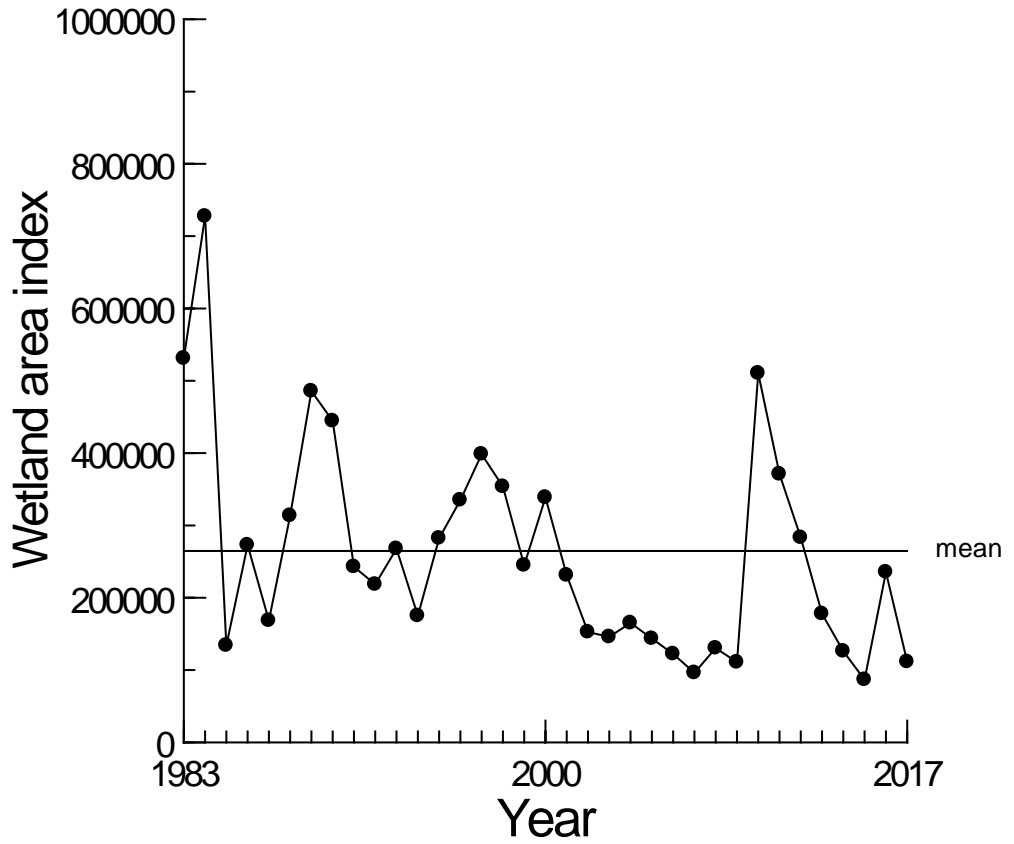


Figure 3. Total waterbirds

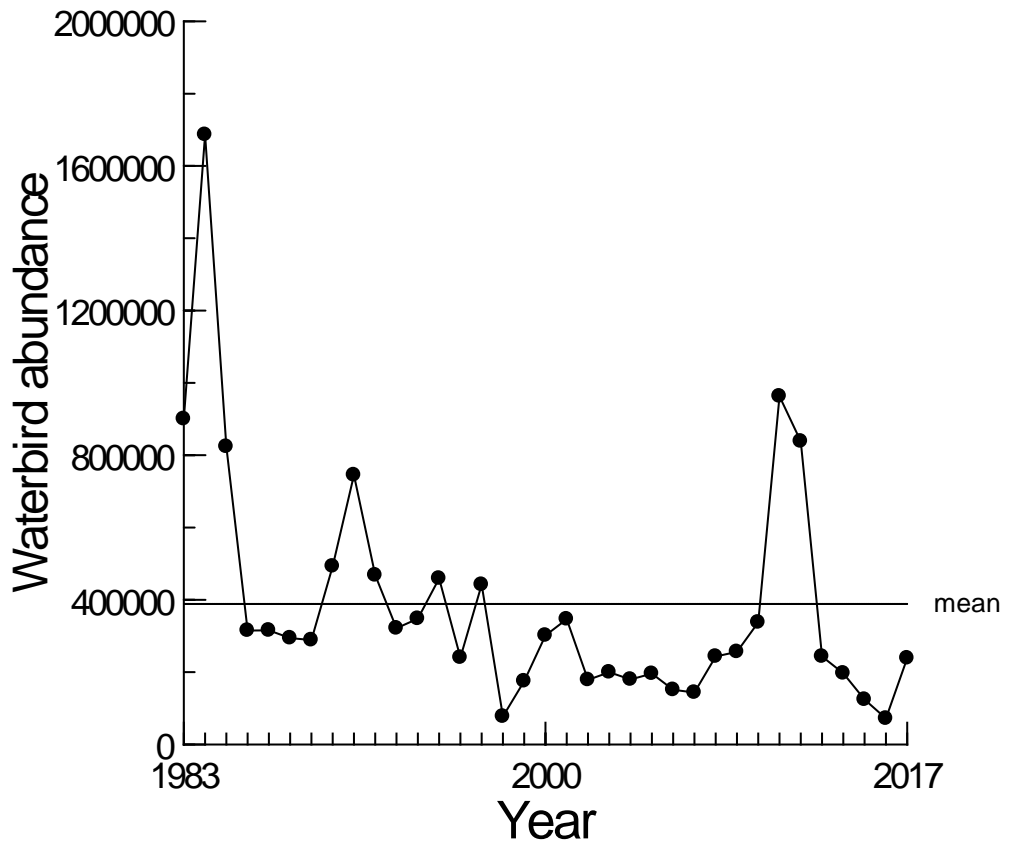
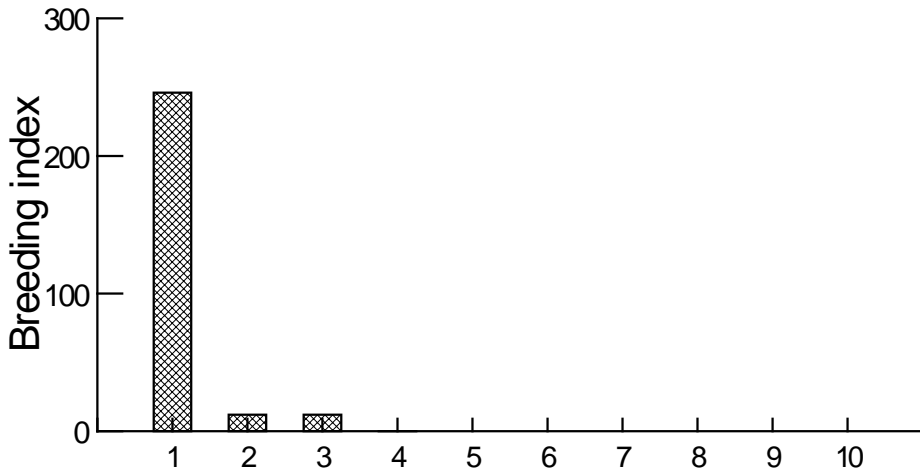
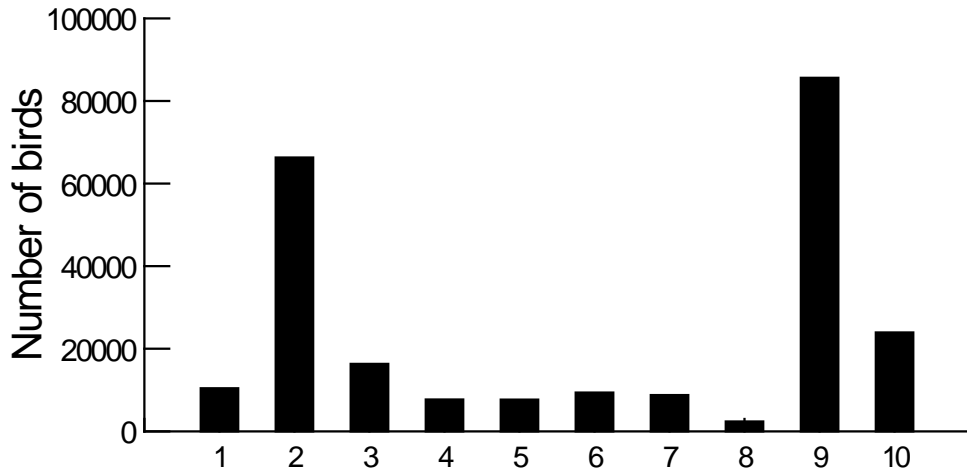


Figure 4. Band totals 2017



Scales vary on graph axes

Figure 5. Breeding index (all species)

Figure 6. Number of species breeding

Figure 7. Breeding index (all species) Bands 1-5

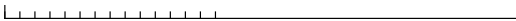


Figure 8. Breeding index (all species) Bands 6-10

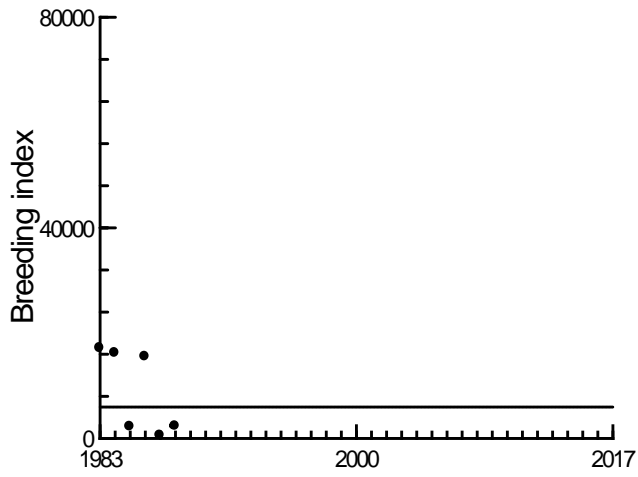
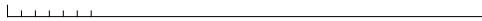


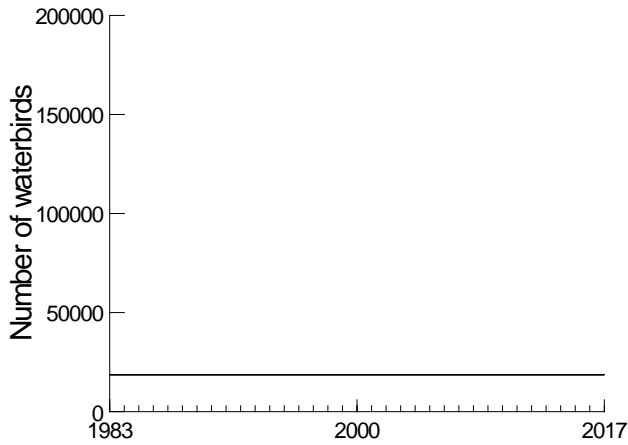


Figure 9. Pacific black duck Bands 1-5



Scales vary on graphs – dashed line indicates long term average

Figure 10. Pacific black duck Bands 6-10



Scales vary on graphs – dashed line indicates long term average

# Figure 11. Black swan Bands 1-5

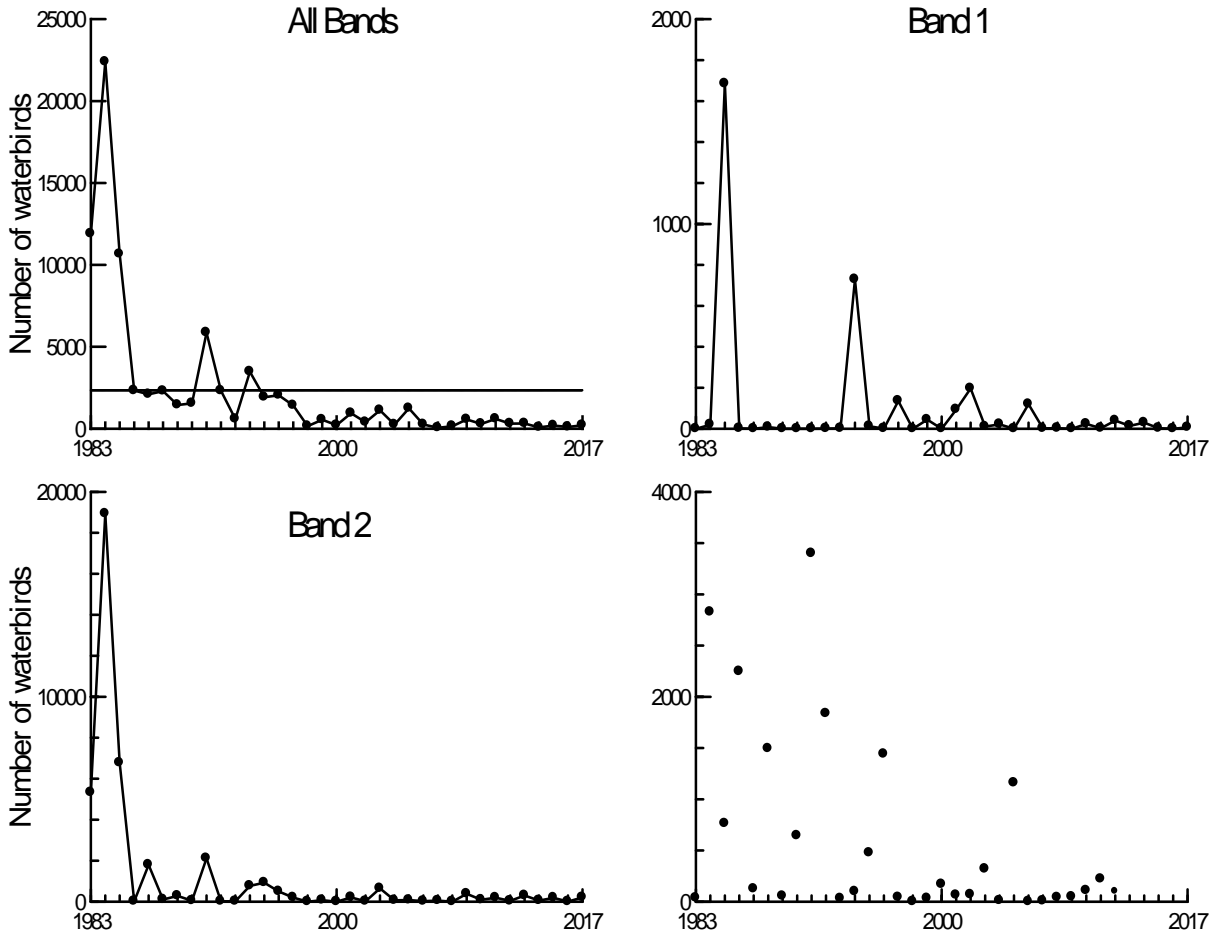
Scales vary on graphs – dashed line indicates 23 5(6 )-8 (at)5(6 )-8 (at)5(6 )0-ry on graphs

Figure 12. Black swan Bands 6-10



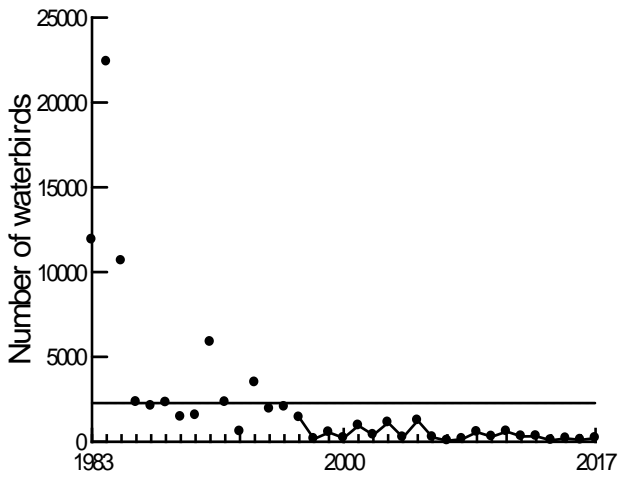
Scales vary on graphs – dashed line indicates long term average

Figure 13. Australasian shoveler Bands 1-5



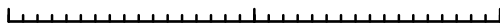
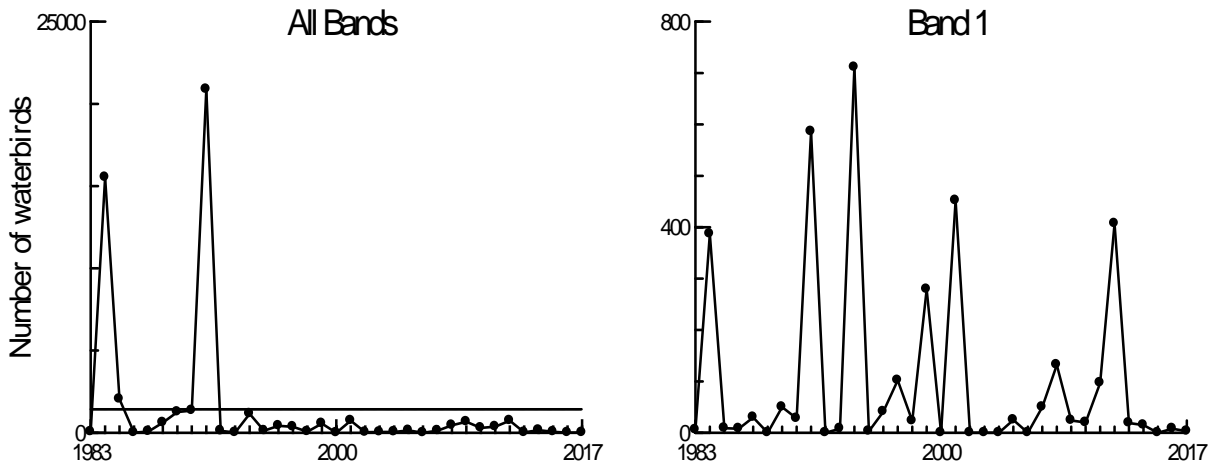
Scales vary on graphs – dashed line indicates long term average

Figure 14. Australasian shoveler Bands 6-10



Scales vary on graphs – dashed line indicates long term average

Figure 15. Chestnut teal Bands 1-5



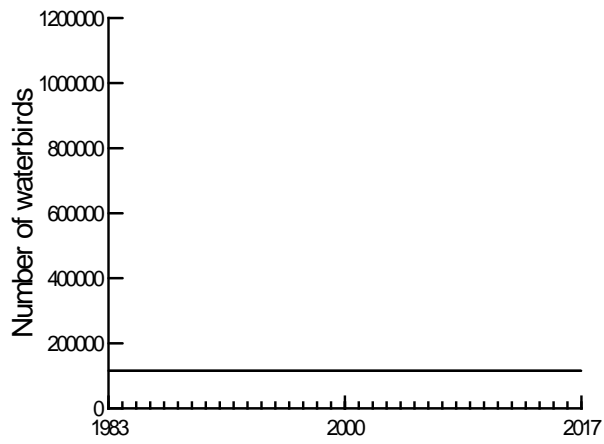
Scales vary on graphs – dashed line indicates long term average

## Figure 16. Grey teal Bands 1-5

Scales vary on graphs —



Figure 17. Grey teal Bands 6-10



Scales vary on graph – dashed line indicates long term average s



# Figure 19. Hardhead Bands 6-10

Scales vary on graphs – dashed line indicates long term average

Figure 20. Freckled duck Bands 1-5

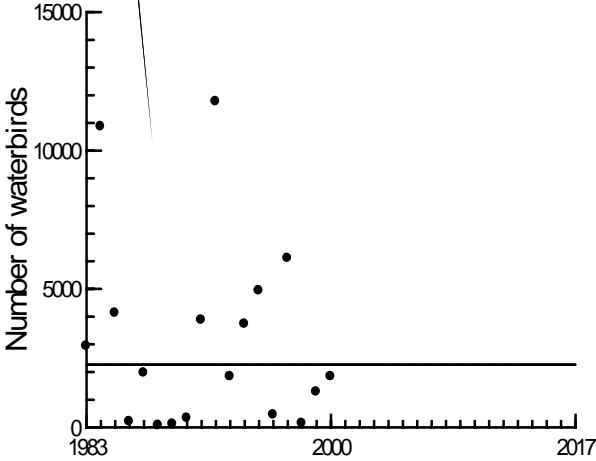




Figure 22. Australian shelduck Bands 1-5



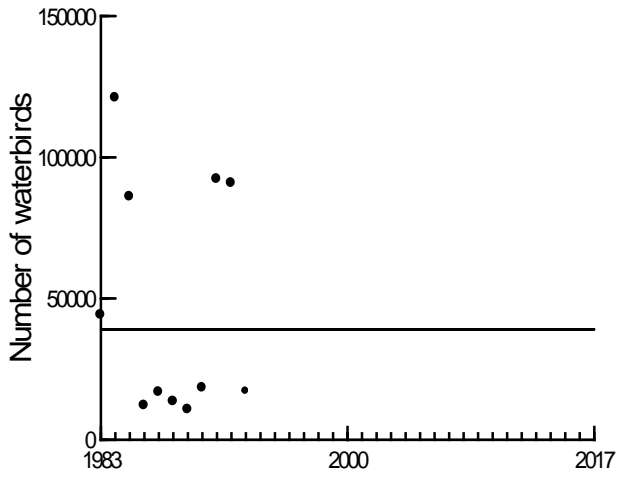
Figure 23. Australian shelduck Bands 6-10





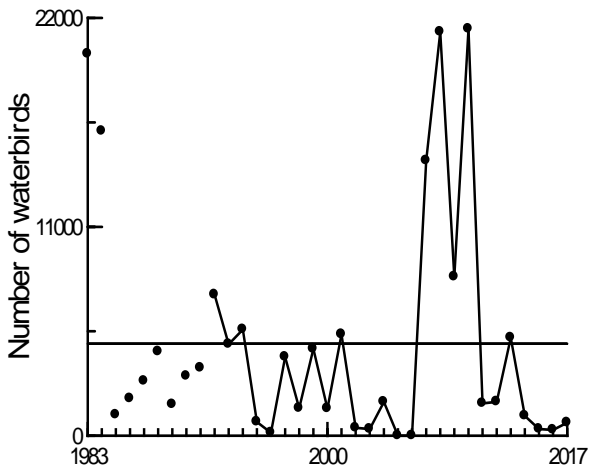
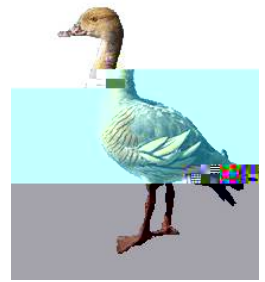


Figure 25. Pink-eared duck Bands 6-10



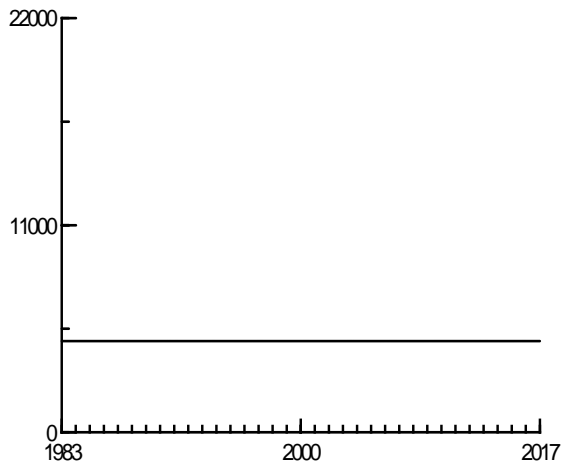
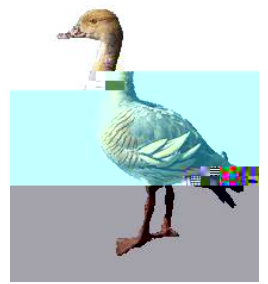
Scales vary on graphs – dashed line indicates long term average

Figure 26. Plumed whistling-duck Bands 1-5



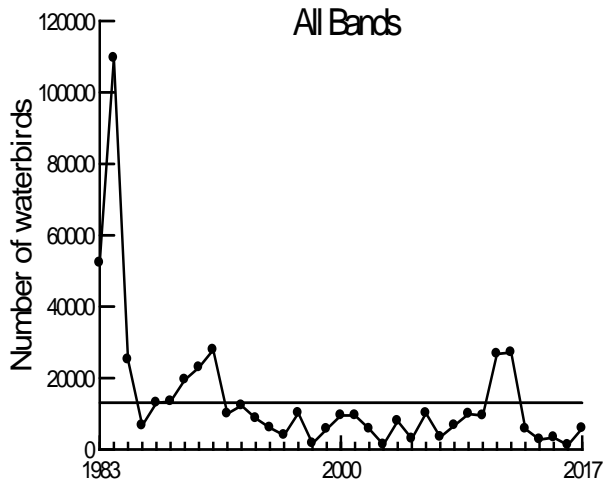
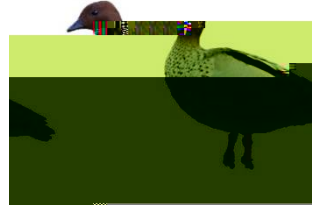
Scales vary on graphs – dashed line indicates long term average

Figure 27. Plumed whistling-duck Bands 6-10



Scales vary on graphs – dashed line indicates long term average

Figure 28. Australian wood duck Bands 1-5



Scales vary on graphs – dashed line indicates long term average

Figure 29.

## References

1. Bureau of Meteorology (BOM) 2017 Monthly Weather review. Australian Government. Accessed 04/12/2017 <<http://www.bom.gov.au/climate/mwr/>>
2. Queensland Government 2017 Drought declarations (Department of Agriculture and Fisheries). Accessed 04/12/2017 <<https://www.longpaddock.qld.gov.au/queenslanddroughtmonitor/queenslanddroughtreport/>>