



# Arklow Bank Wind Park 2

## Environmental Impact Assessment Report

Volume III, Appendix 12.6: Offshore Ornithology Technical Report -  
Seabird Species Abundance Plots (Revised March 2026)



MacArthur  
Green

## Arklow Bank Wind Park 2

### ~~Technical~~ Appendix 12.06 Offshore Ornithology **Technical Report**

### Seabird Species Abundance Plots (**Revised March 2026**)

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Date: ~~16 May 2024~~ 10 March 2026

Tel: 0141 342 5404

Web: [www.macarthurgreen.com](http://www.macarthurgreen.com)

Address: 93 South Woodside Road | Glasgow | G20 6NT

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## Document Quality Record

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**GLOSSARY**

Term	Meaning
Array Area	The Array Area is the area within which the Wind Turbine Generators (WTGs), the Offshore Substation Platforms (OSPs), and associated cables (export, inter- array and interconnector cabling) and foundations will be installed.

**UNITS**

Unit	Description
km	Kilometre

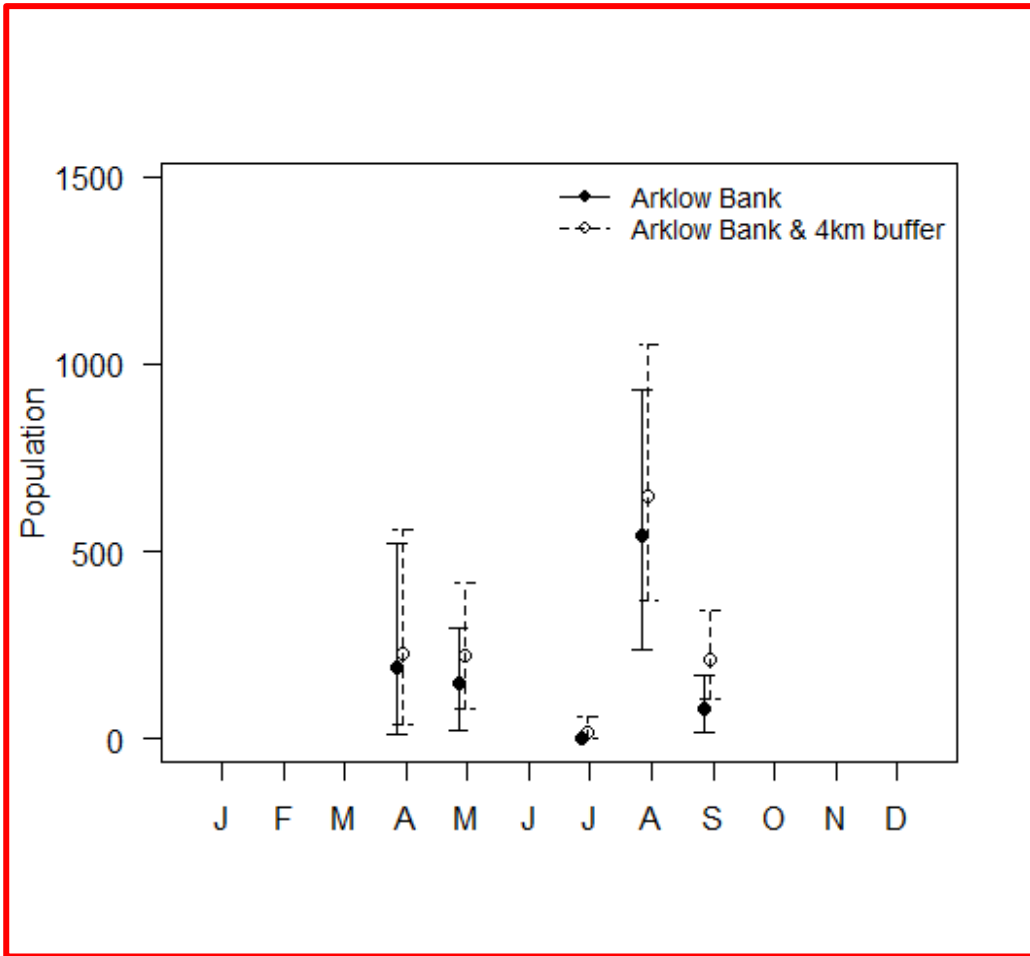
## 1 OFFSHORE ORNITHOLOGY TECHNICAL REPORT – SEABIRD SPECIES ABUNDANCE PLOTS

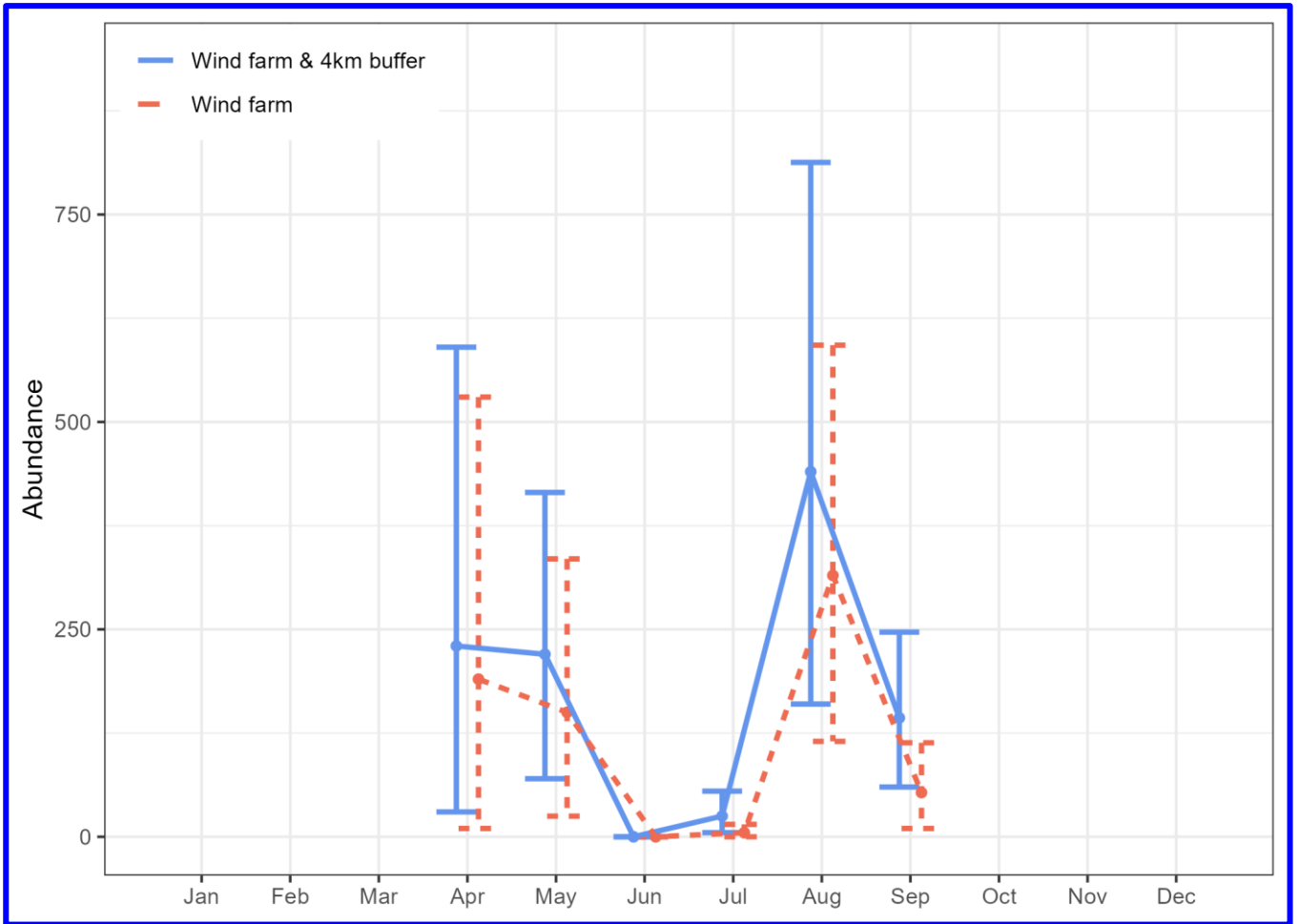
### 1.1 Introduction

1.1.1 This Technical Report provides monthly seabird abundance plots for species recorded in the Array Area alone and the combined Array Area and 4 km buffer to provide a graphical illustration of seasonal variations. Data were collected during the digital aerial surveys between March 2018 and ~~April 2020 inclusive~~ July 2025, with 43 surveys in total. The tabulated density and abundance data for each species recorded are presented in Volume III, Appendix 12.02: Monthly Seabird Density (Revised March 2026) and Volume III, Appendix 12.03: Monthly Seabird Abundance (Revised March 2026) respectively. It should be noted that the y-axes are scaled for each species and vary accordingly.

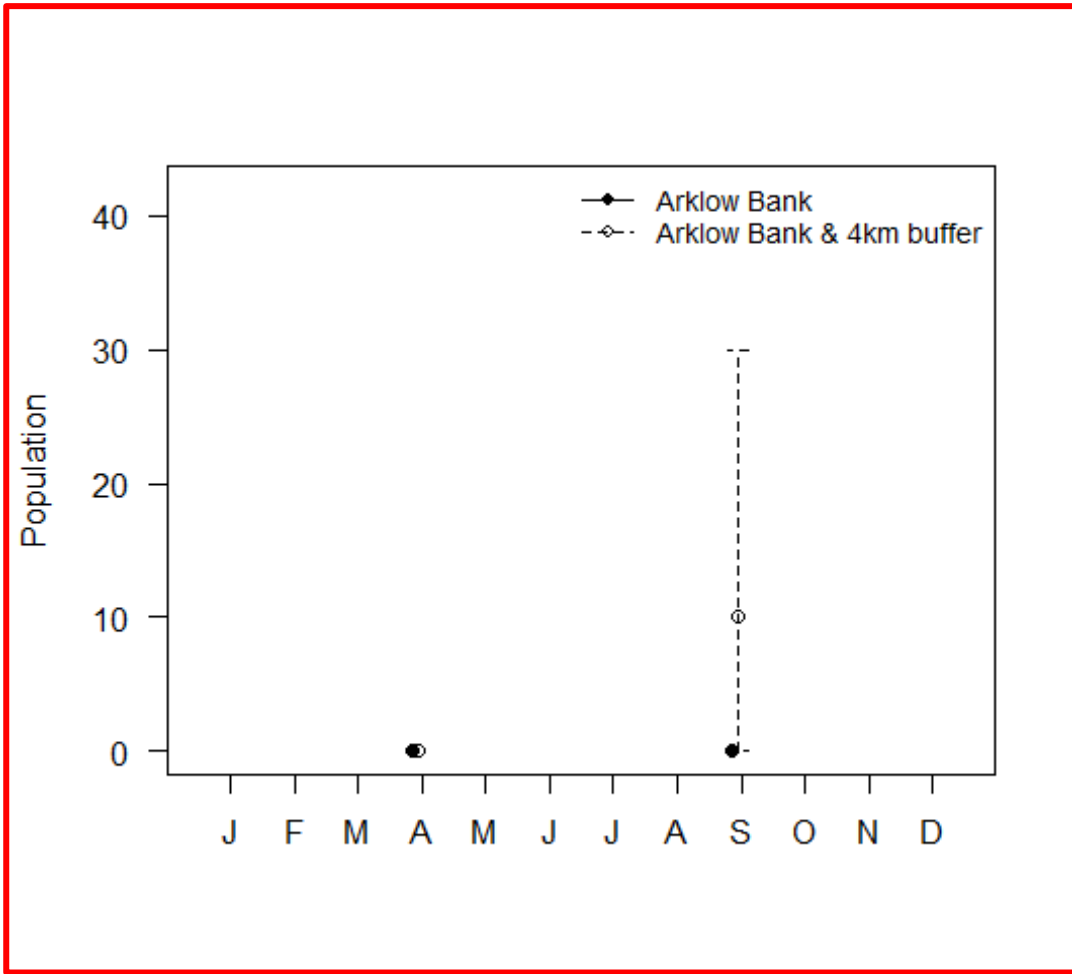
### 1.2 Seabird species abundance plots

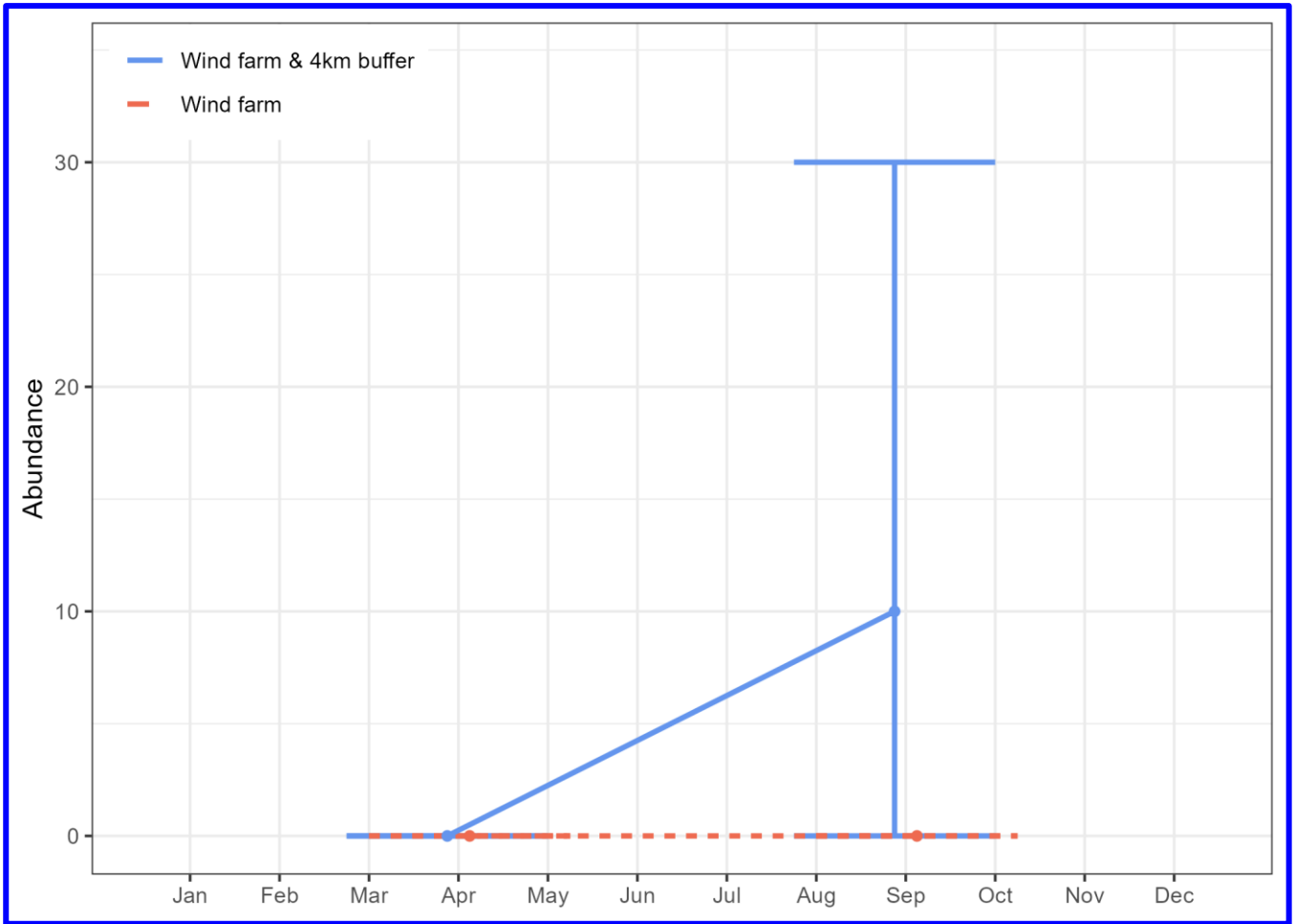
1.1.2 ~~1.2.1~~ Seabird species abundance plots are presented in ~~Figure 12.6.1. to Figure 12.6.26~~ Figure 12.6.1 to Figure 12.6.26 ~~28~~.



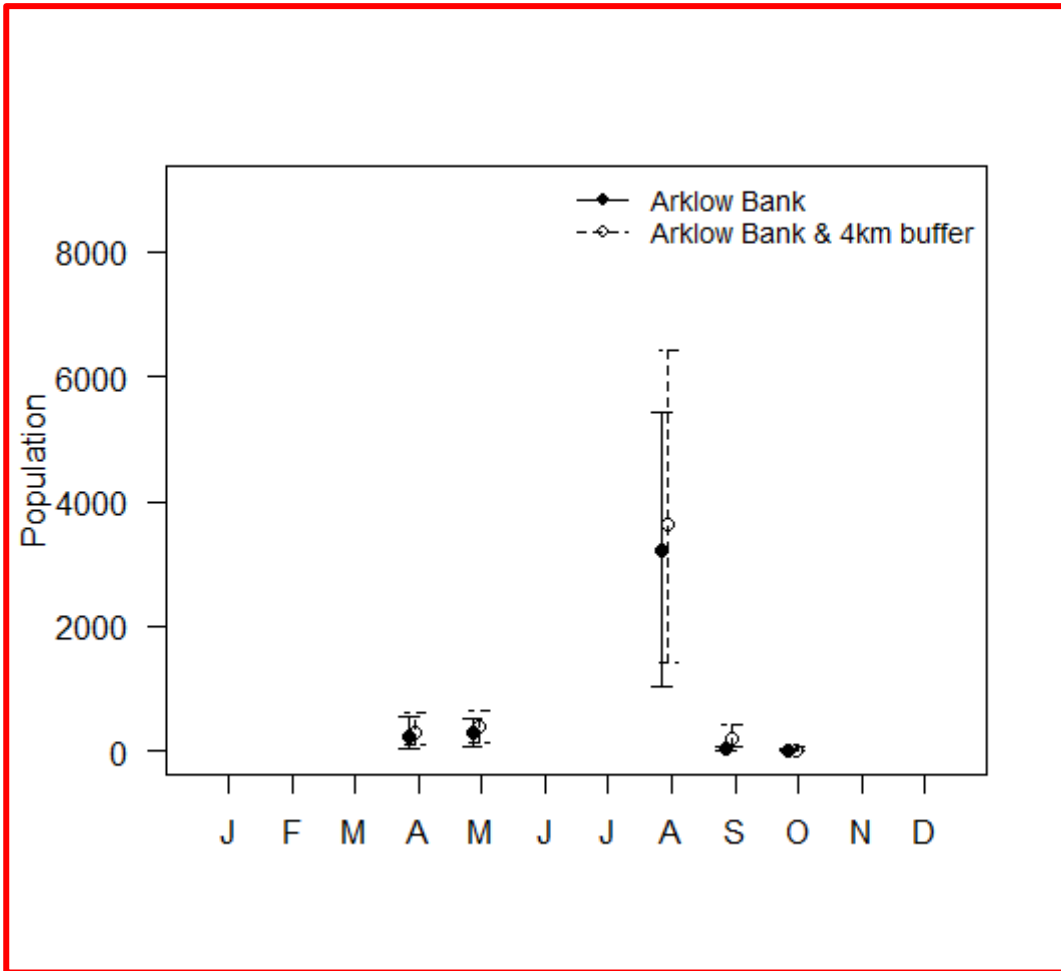


**Figure 12.6-15. Arctic / common tern abundance in the Array Area and 4 km buffer. Mean monthly values averaged over years, upper and lower 95% confidence intervals generated using bootstrapping.**





**Figure 12.6-2. Arctic skua abundance in the Array Area and 4 km buffer. Mean monthly values averaged over years, upper and lower 95% confidence intervals generated using bootstrapping.**



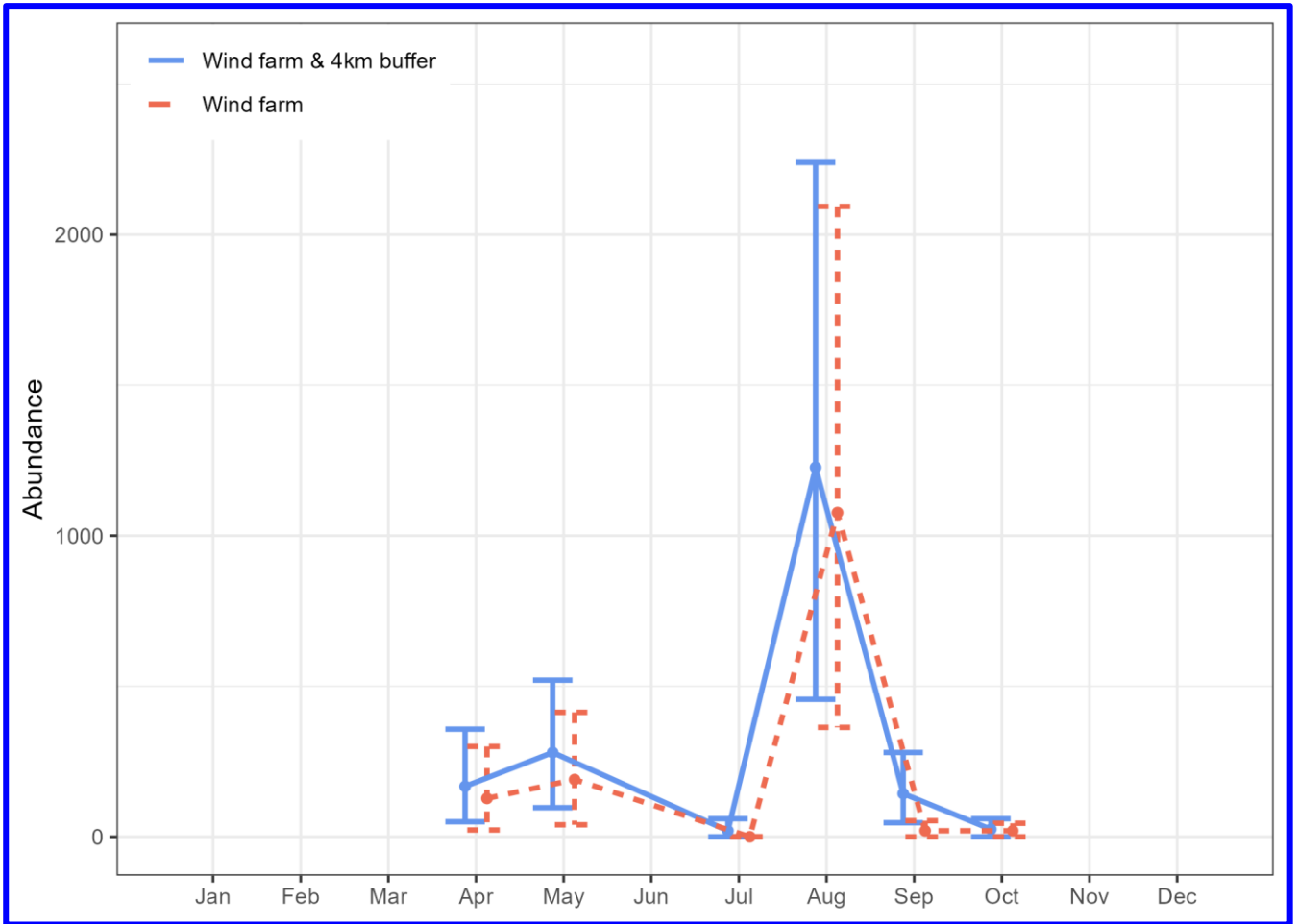
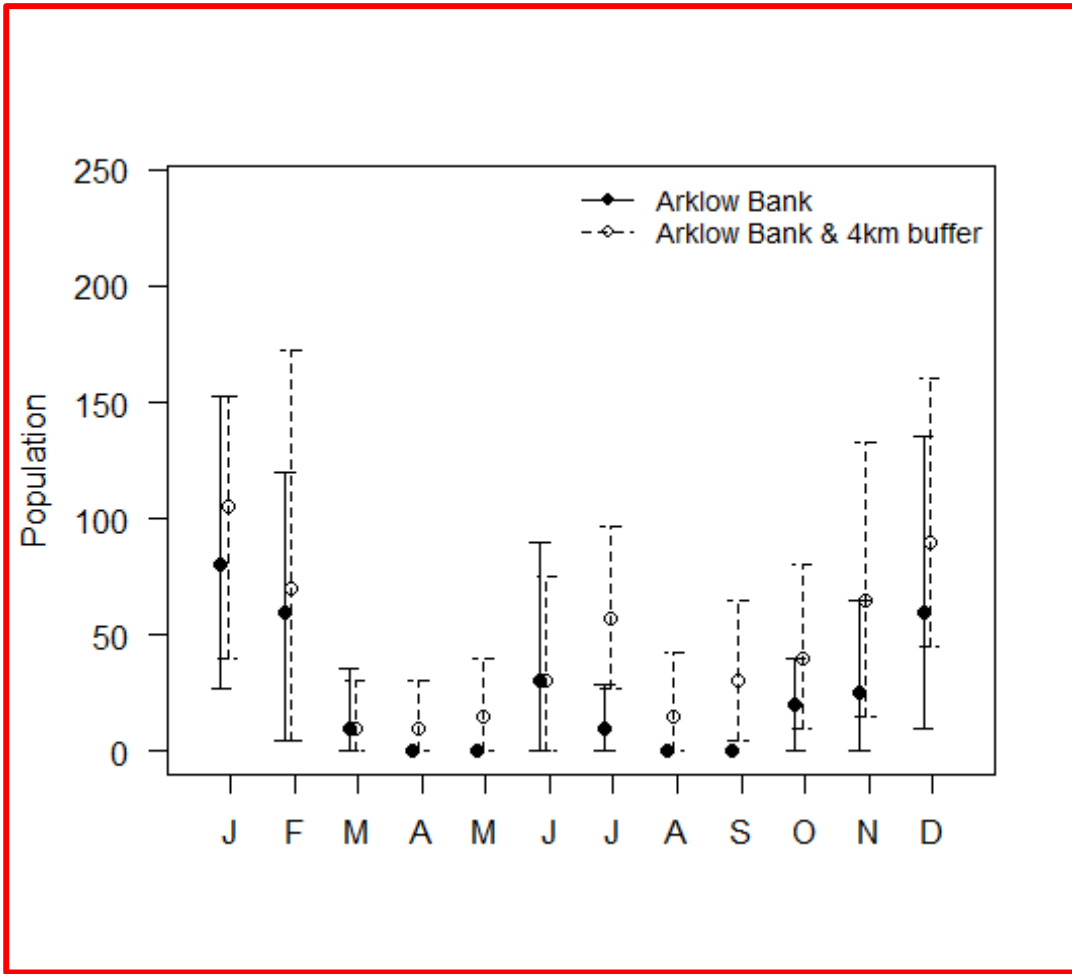


Figure 12.6-3. Arctic tern abundance in the Array Area and 4 km buffer. Mean monthly values averaged over years, upper and lower 95% confidence intervals generated using bootstrapping.



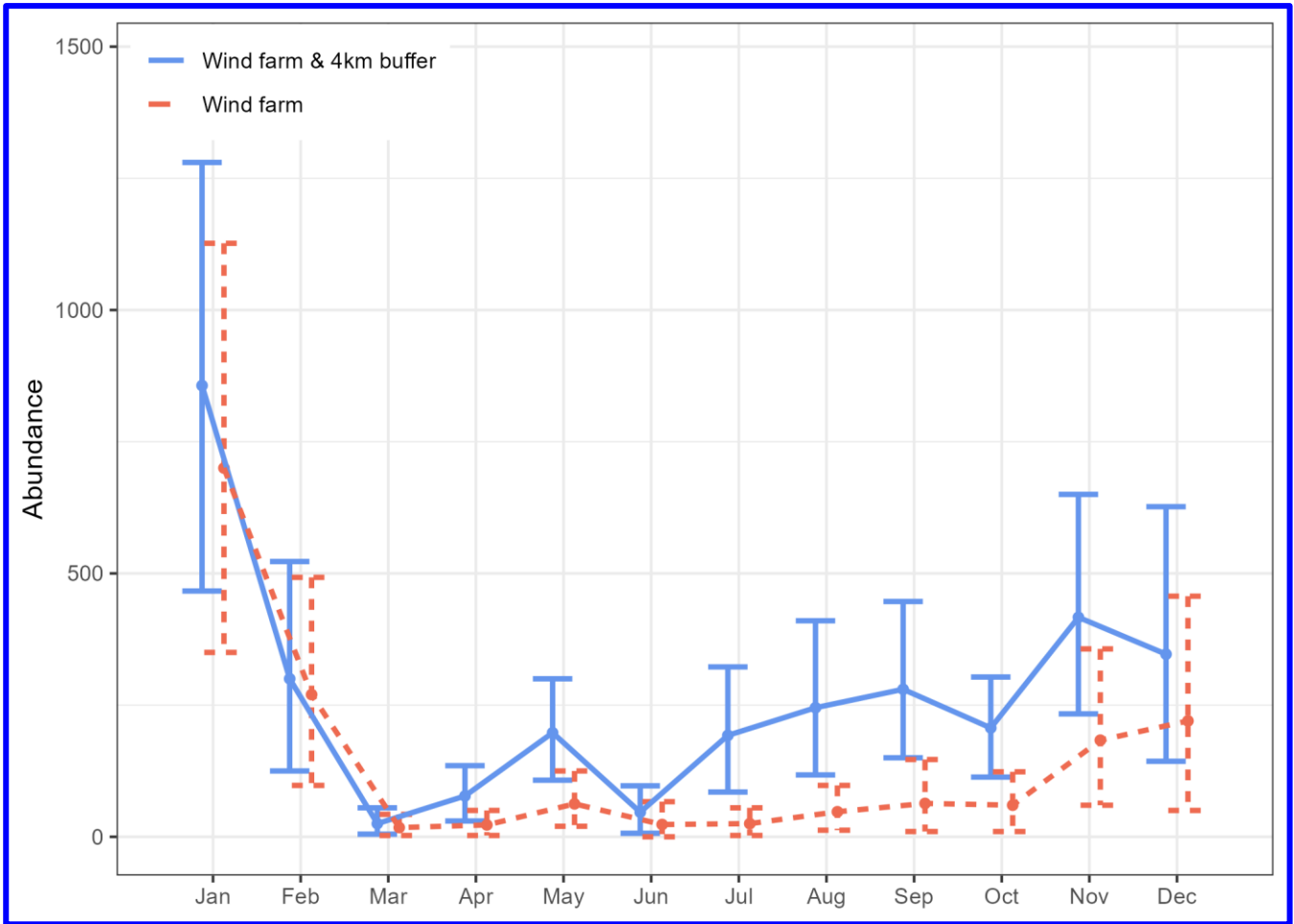
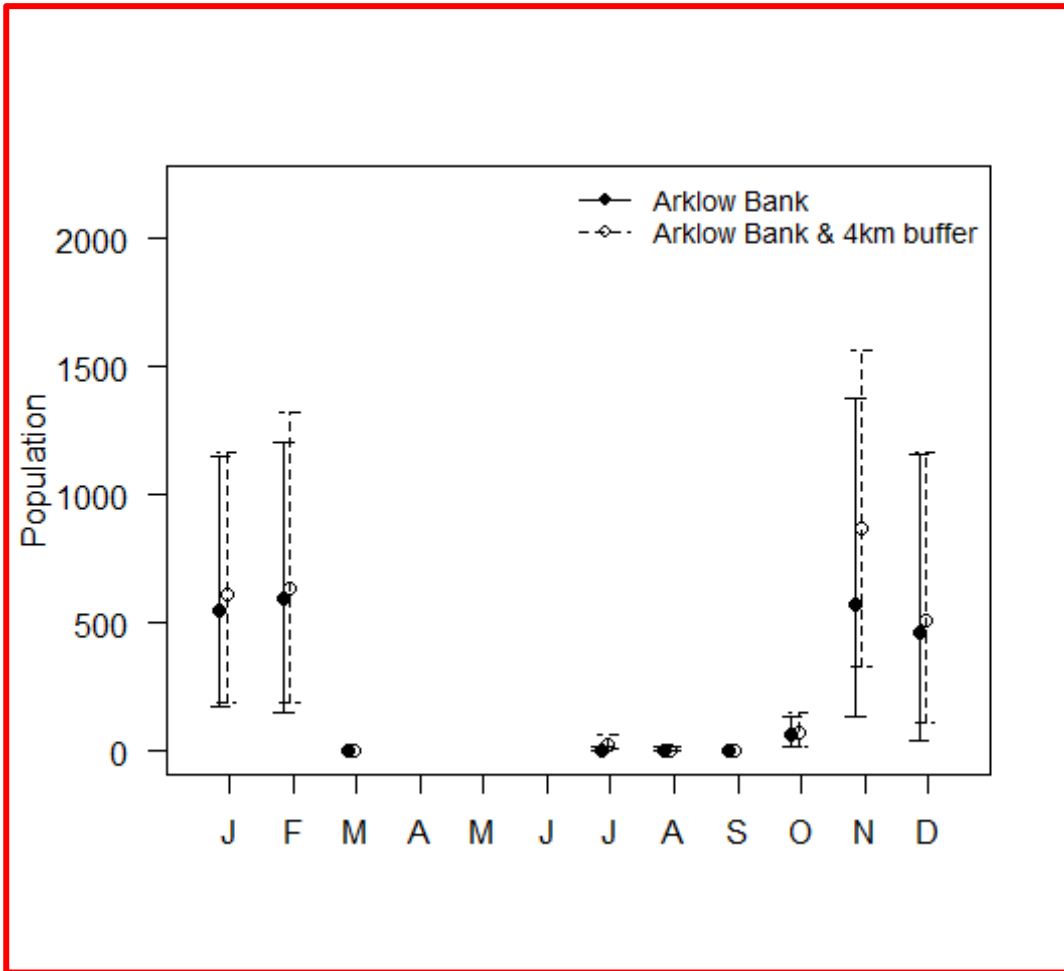
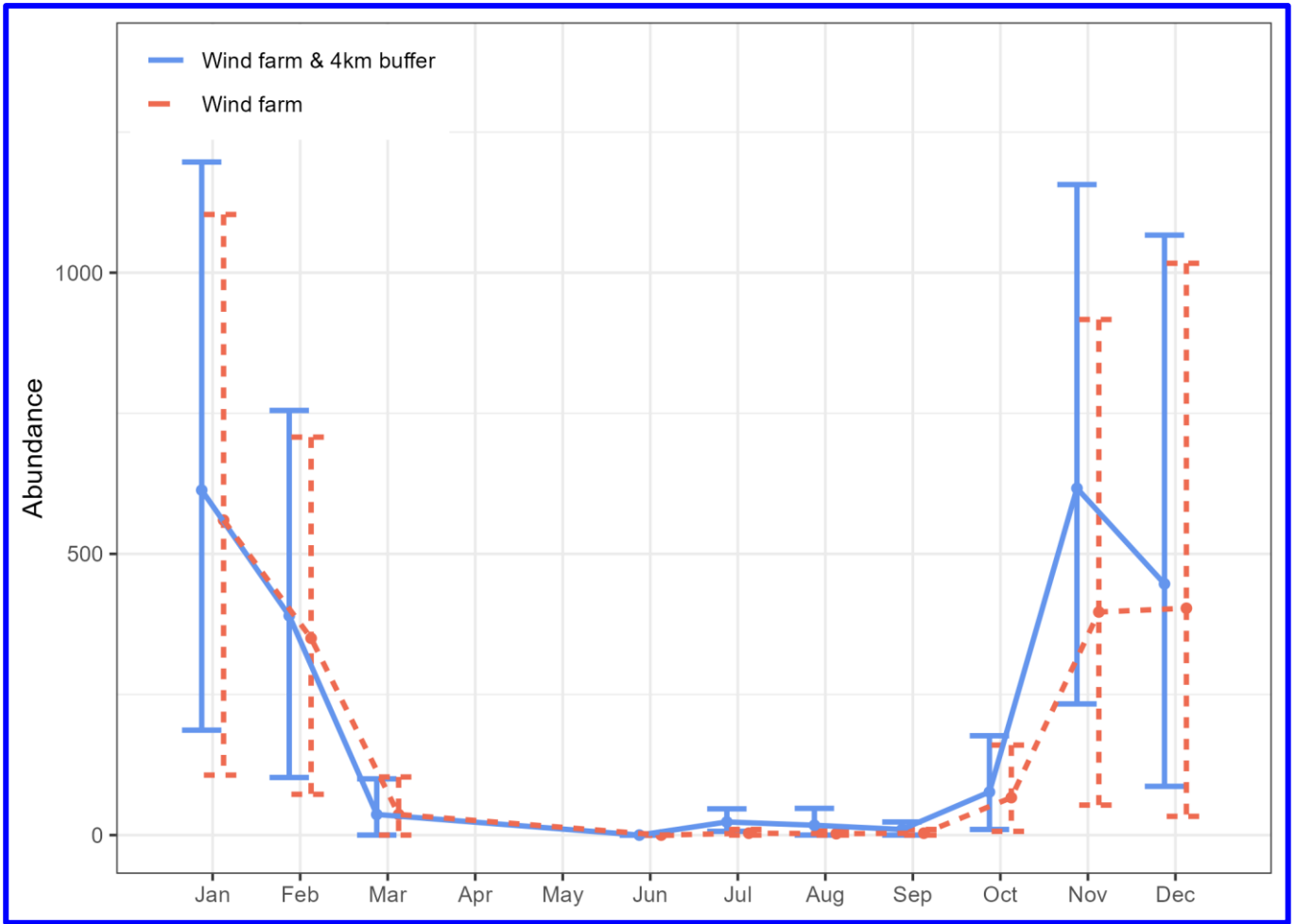
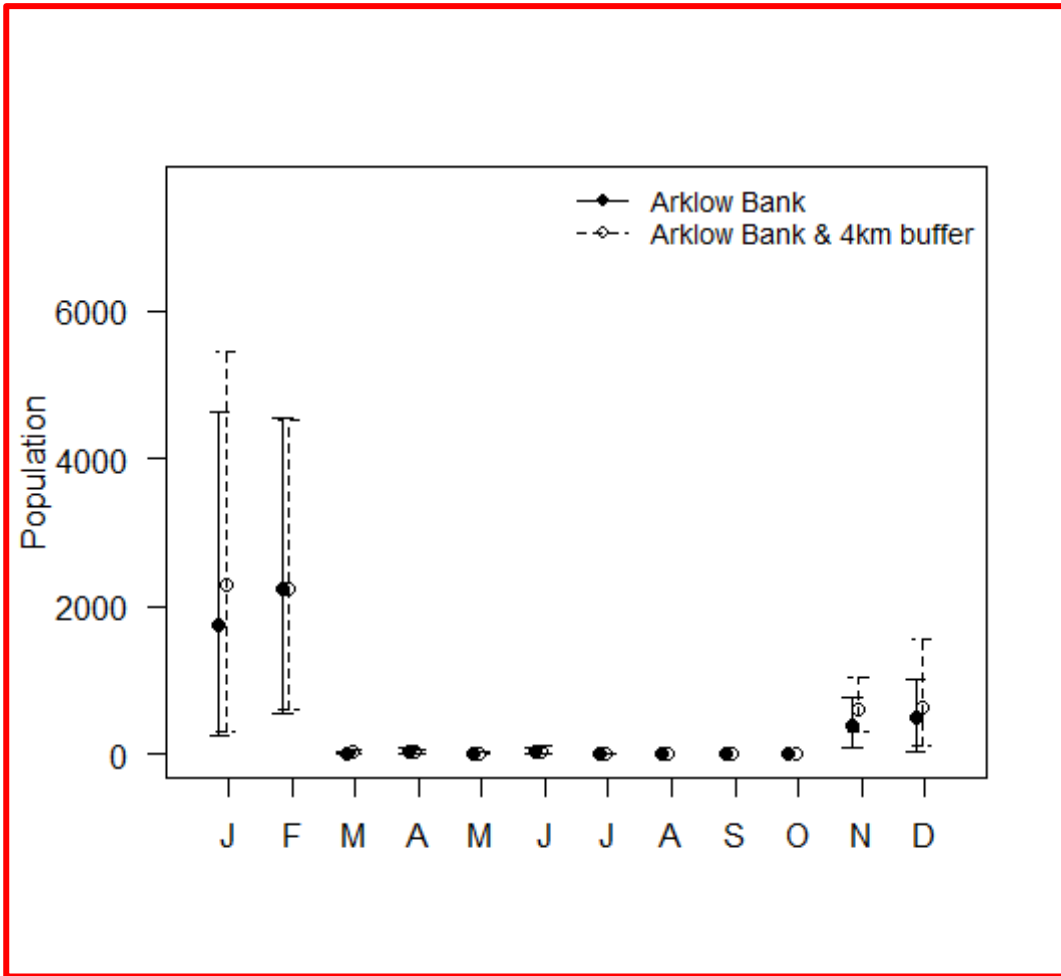


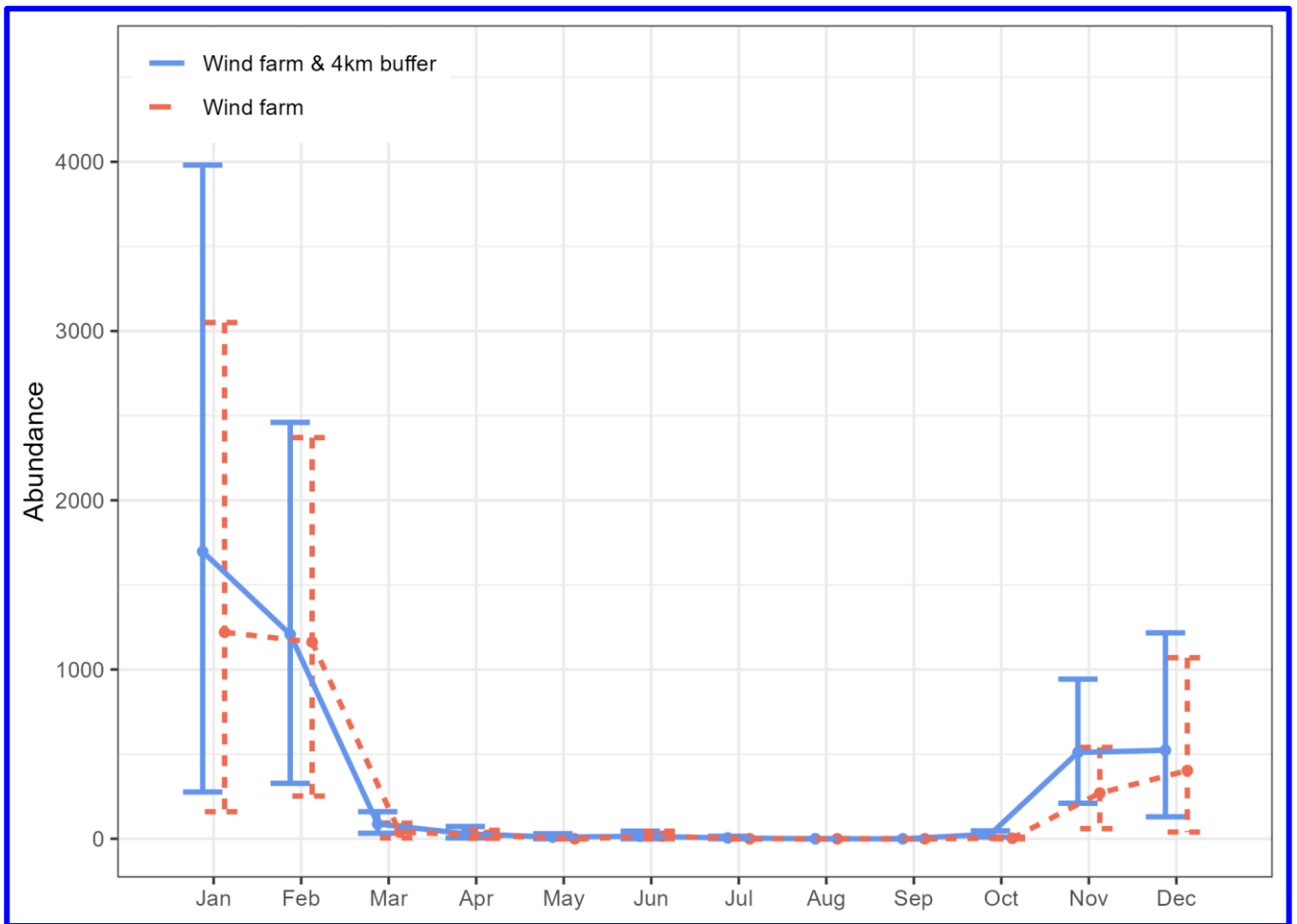
Figure 12.6-4. Auk species abundance in the Array Area and 4 km buffer. Mean monthly values averaged over years, upper and lower 95% confidence intervals generated using bootstrapping.



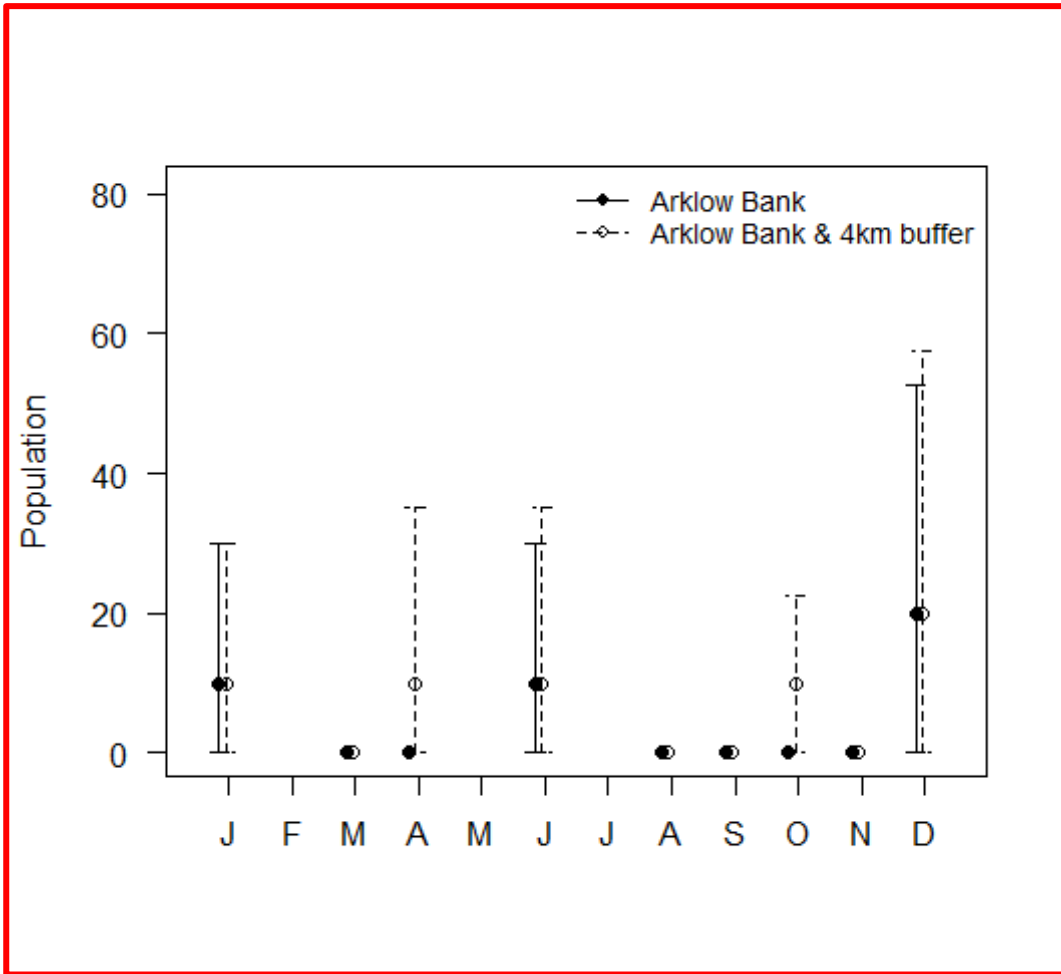


**Figure 12.6.5. Black-headed gull abundance in the Array Area and 4 km buffer. Mean monthly values averaged over years, upper and lower 95% confidence intervals generated using bootstrapping.**





**Figure 12.6.6.** Common gull abundance in the Array Area and 4 km buffer. Mean monthly values averaged over years, upper and lower 95% confidence intervals generated using bootstrapping.



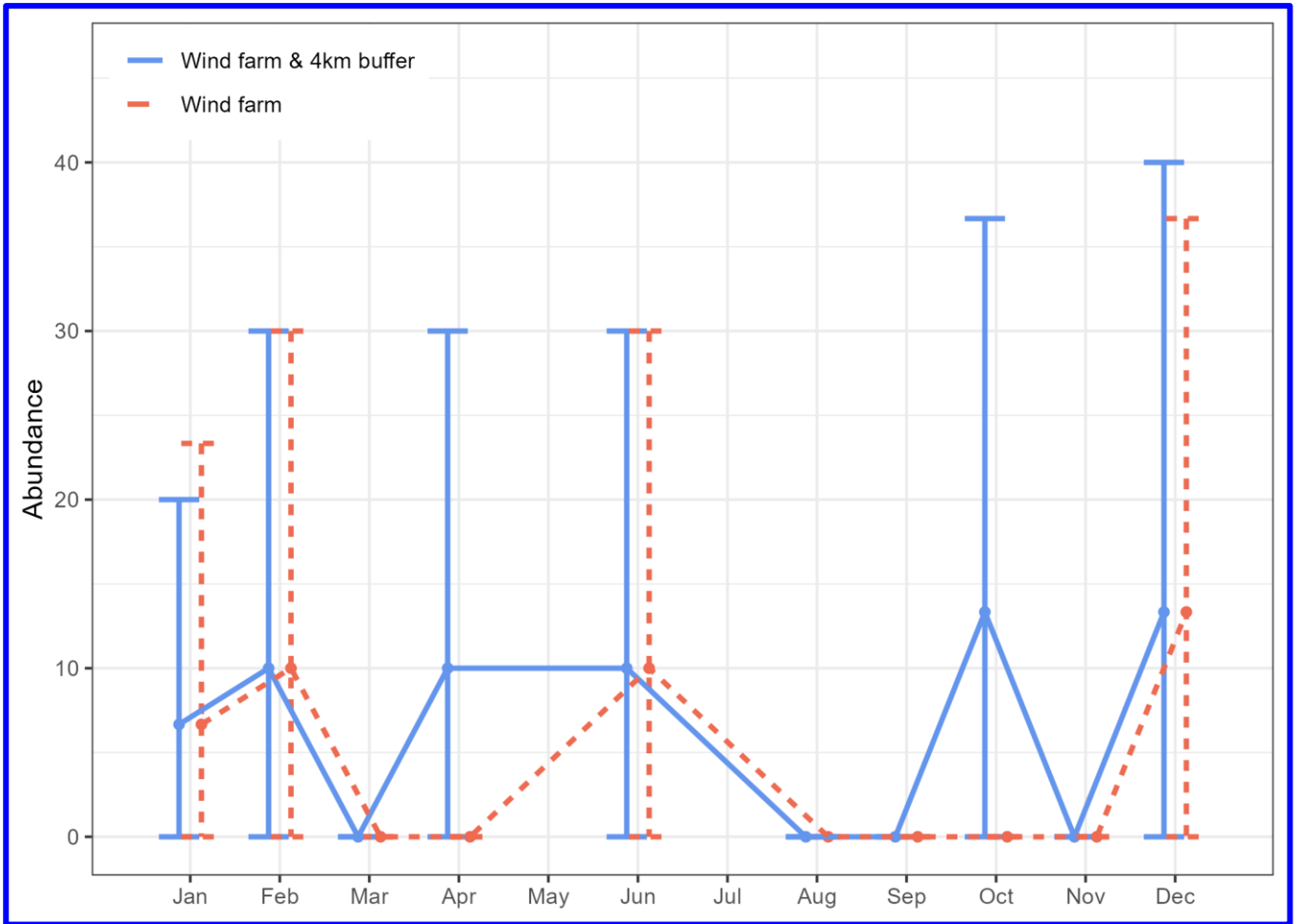
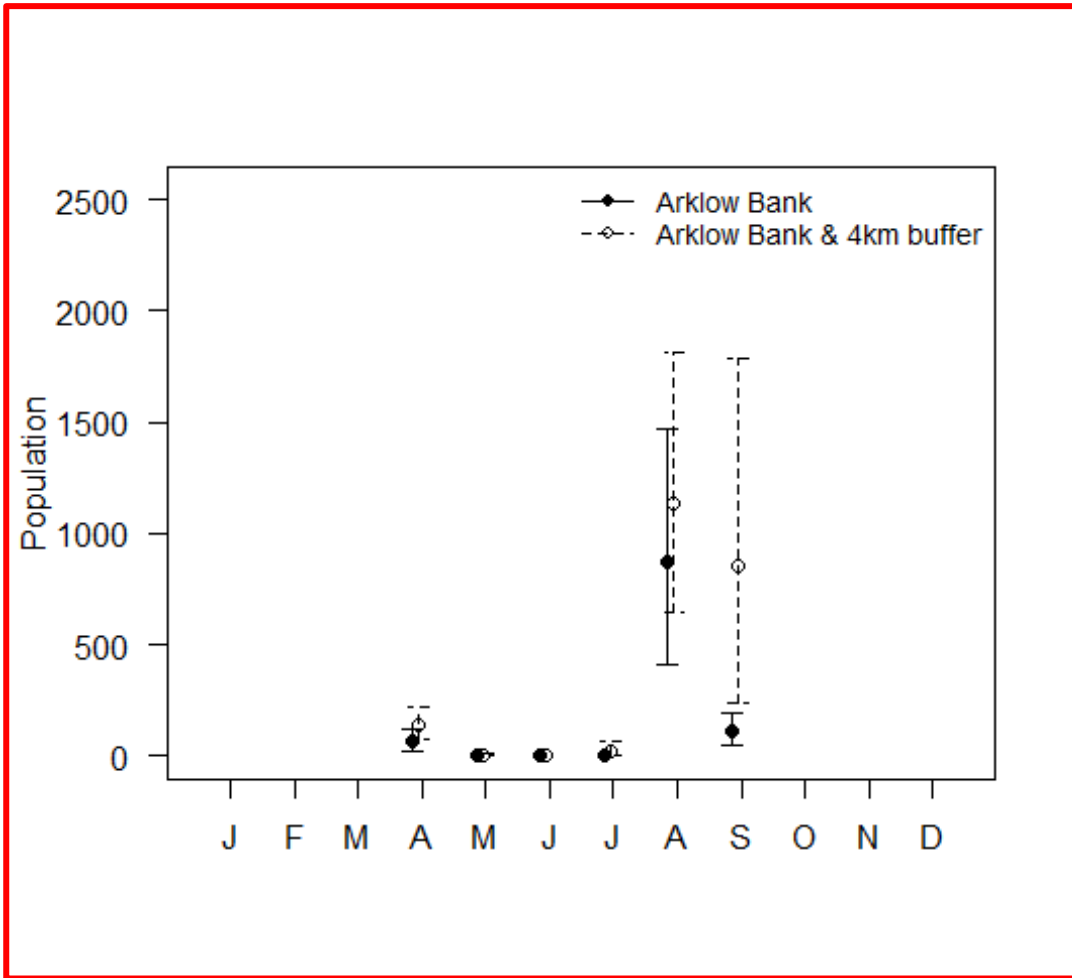
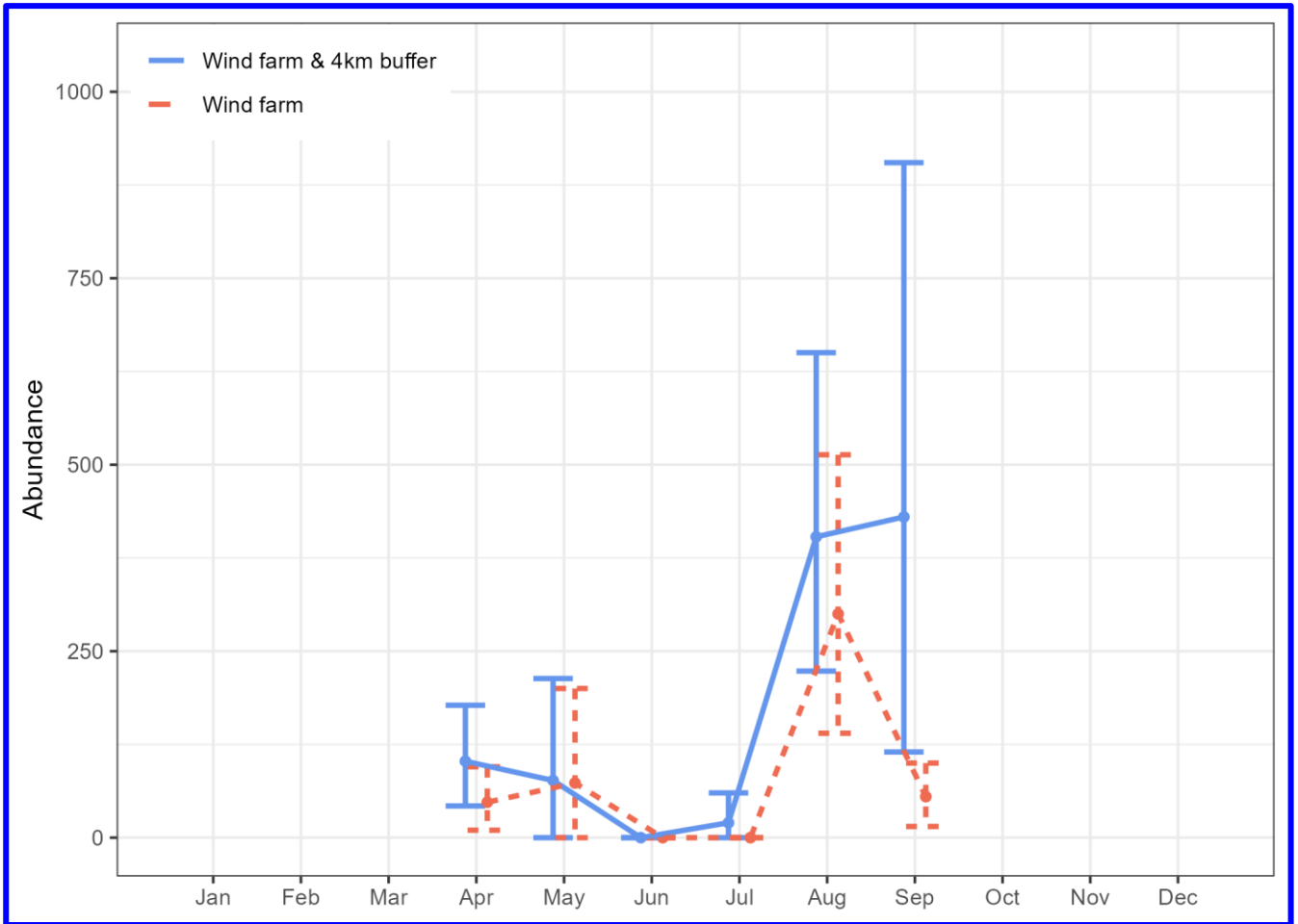
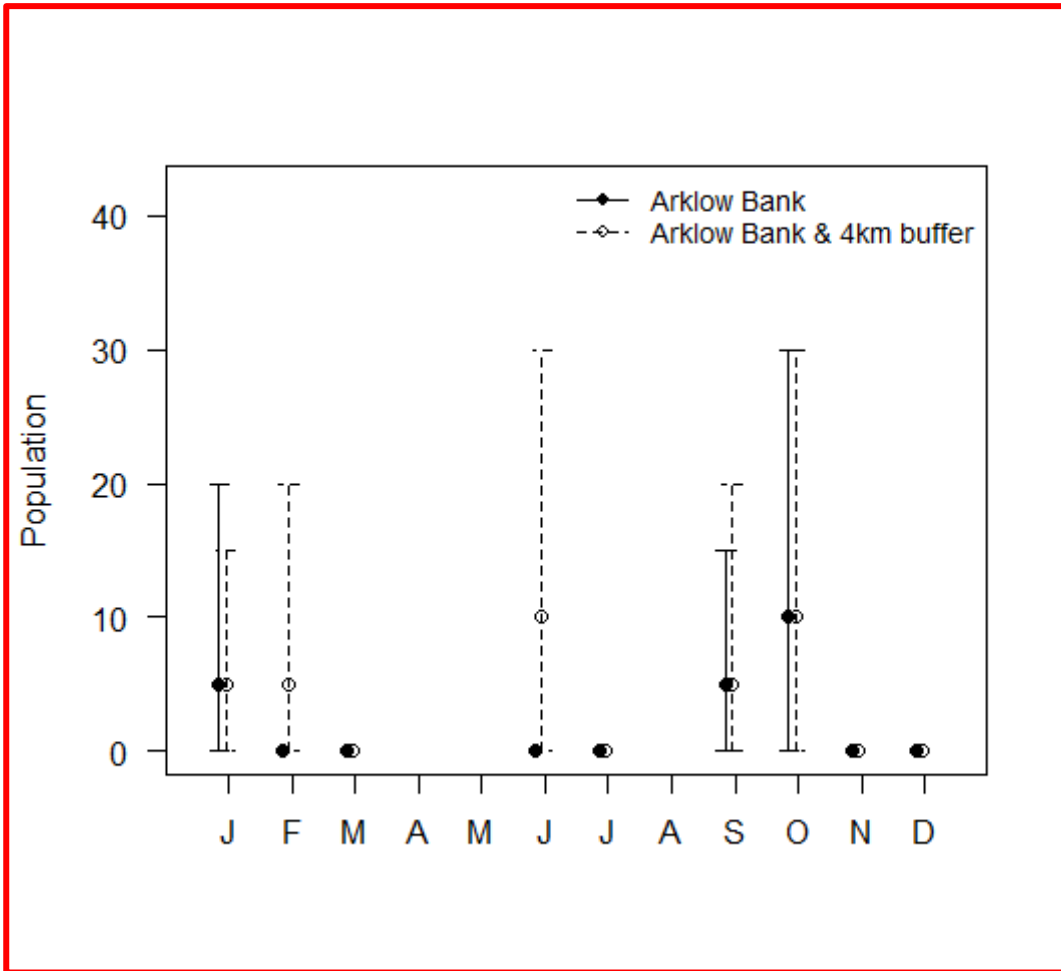


Figure 12.6-7. Common scoter abundance in the Array Area and 4 km buffer. Mean monthly values averaged over years, upper and lower 95% confidence intervals generated using bootstrapping.





**Figure 12.6.8. Common tern abundance in the Array Area and 4 km buffer. Mean monthly values averaged over years, upper and lower 95% confidence intervals generated using bootstrapping.**



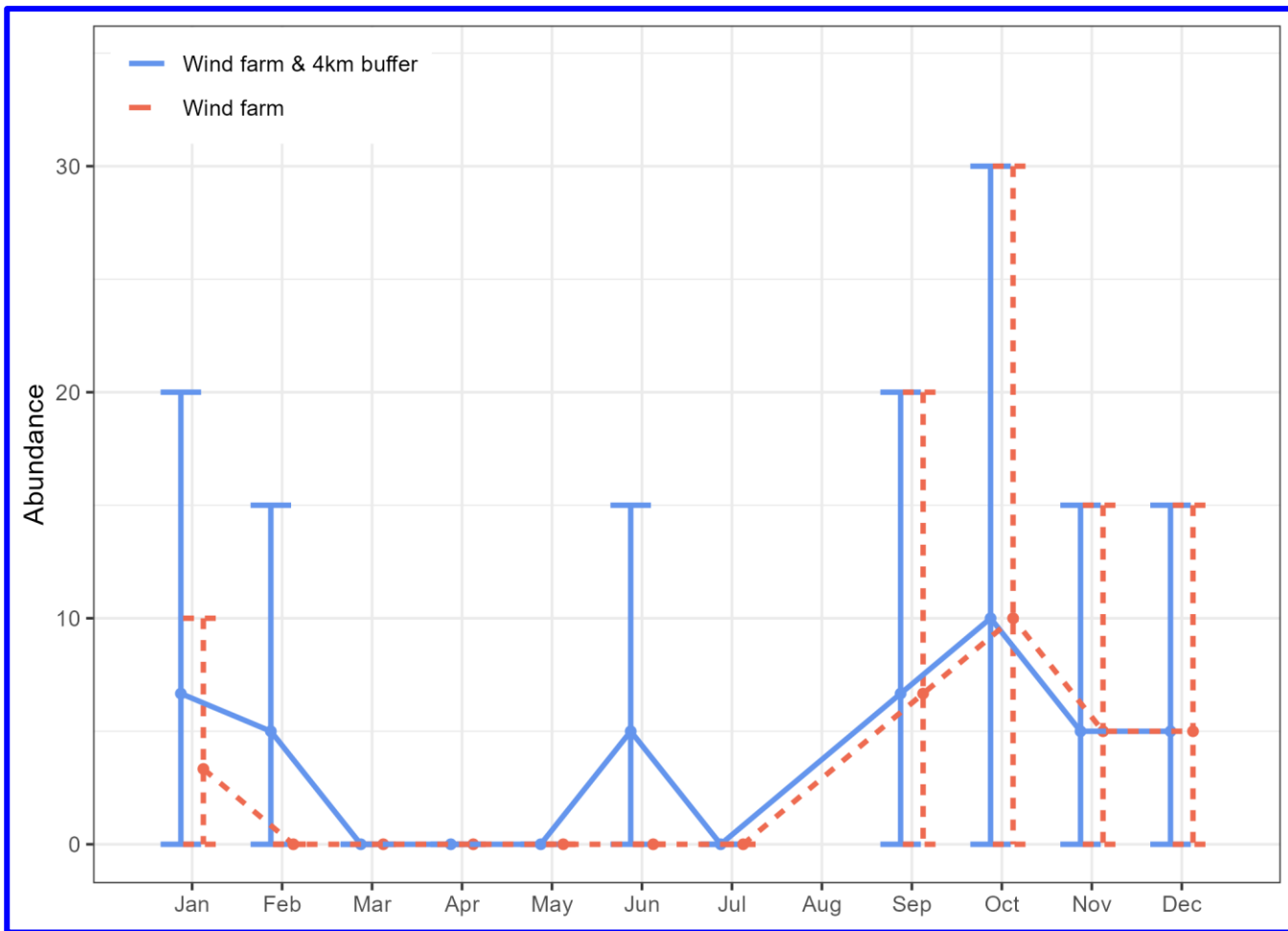
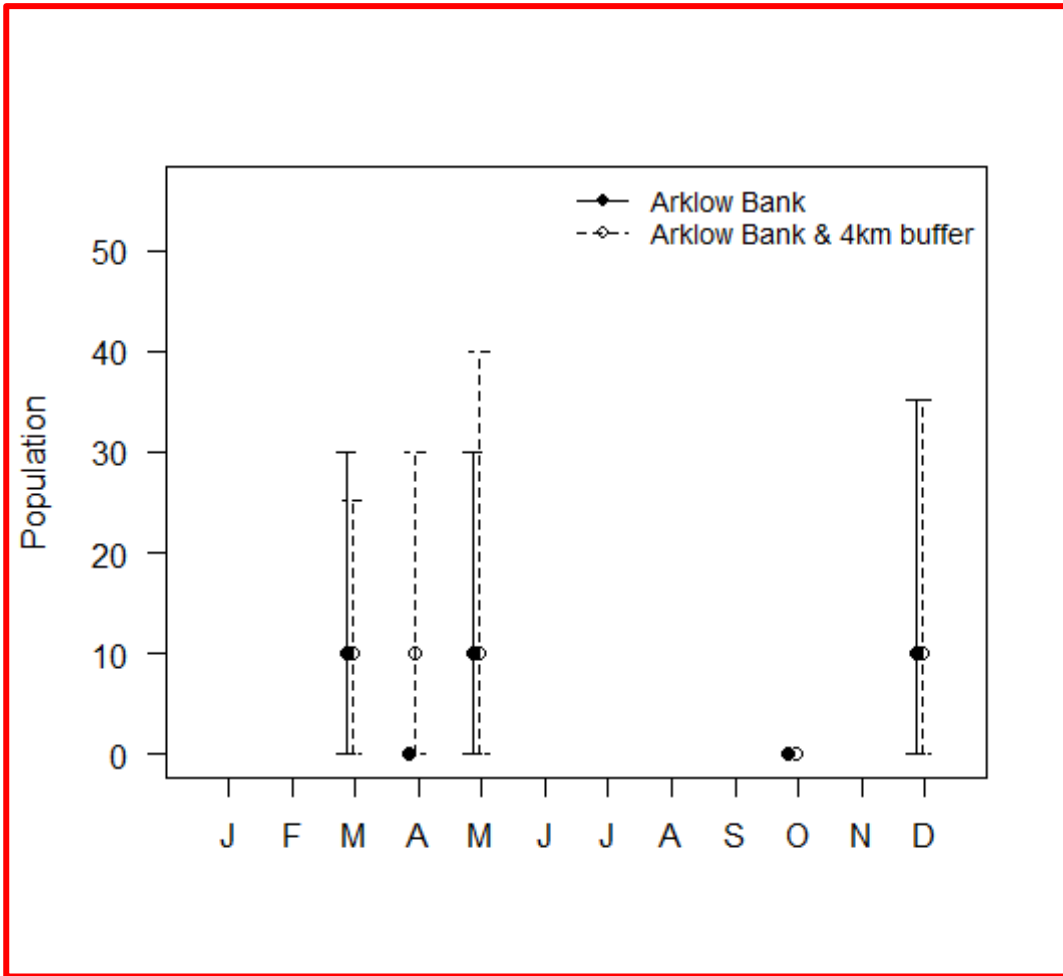


Figure 12.6-9. Cormorant abundance in the Array Area and 4 km buffer. Mean monthly values averaged over years, upper and lower 95% confidence intervals generated using bootstrapping.



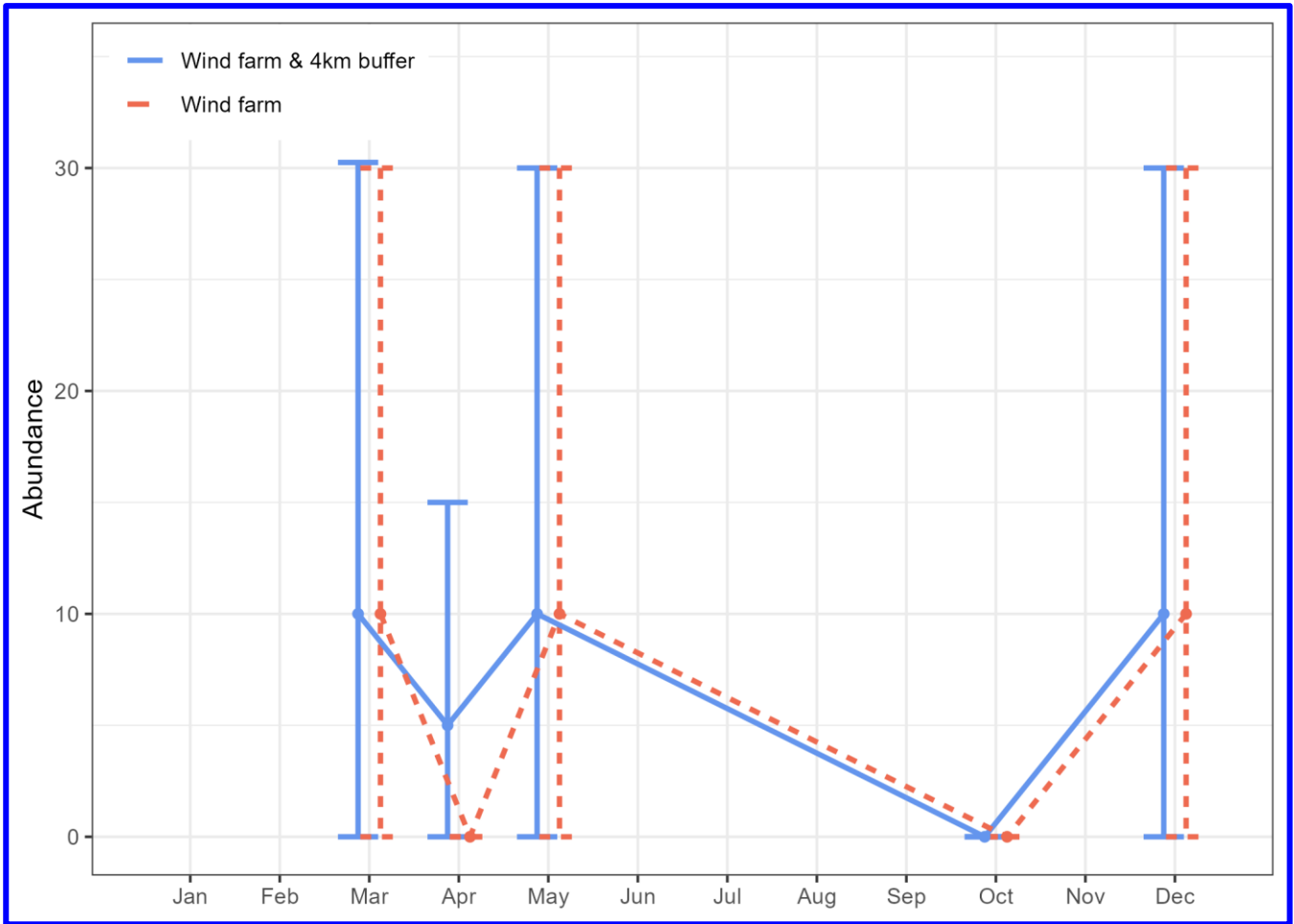
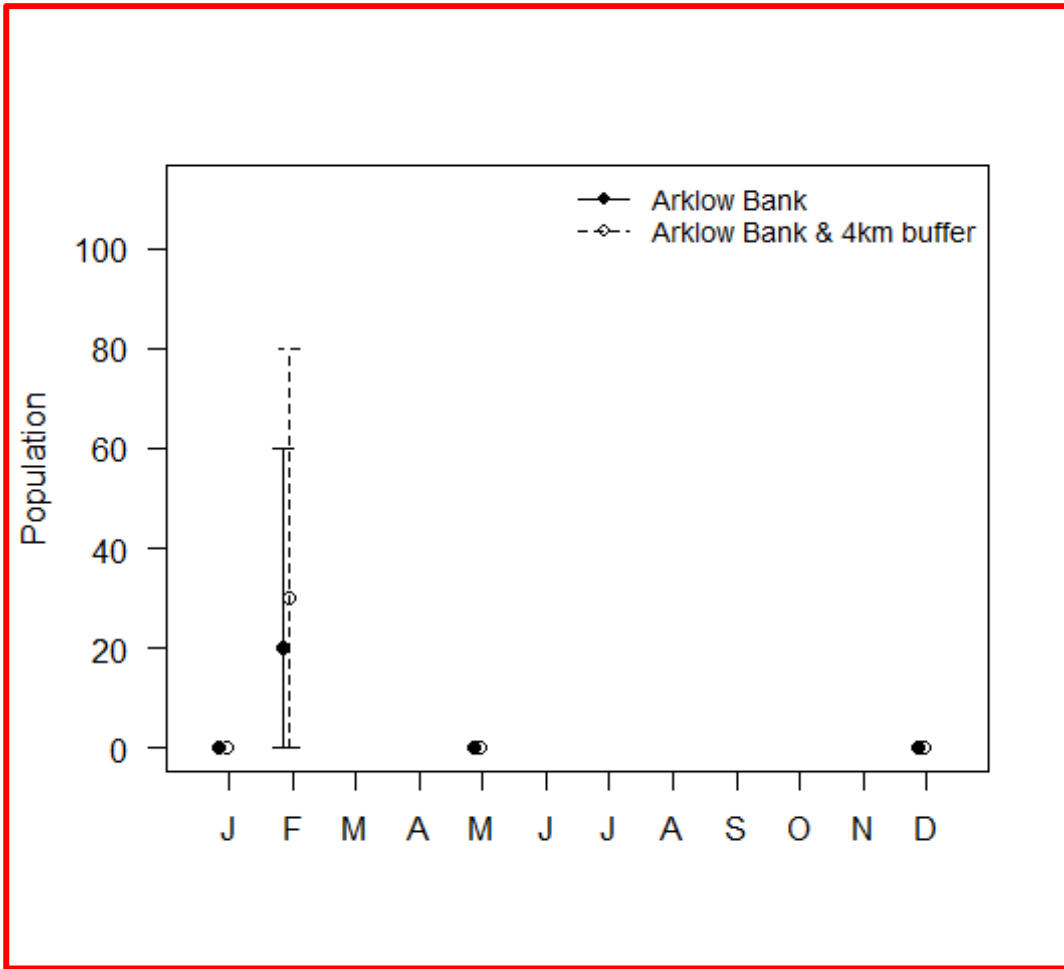
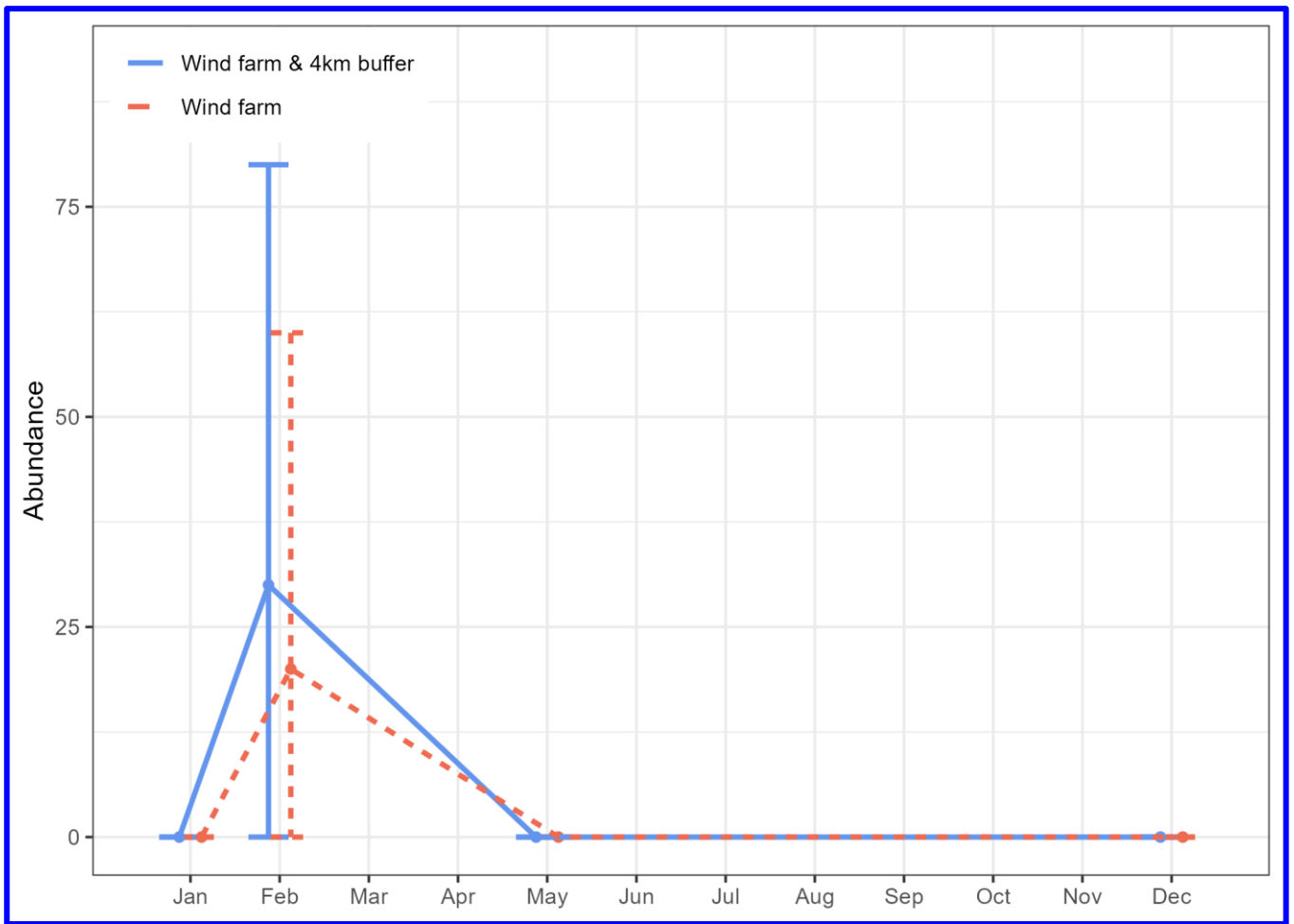
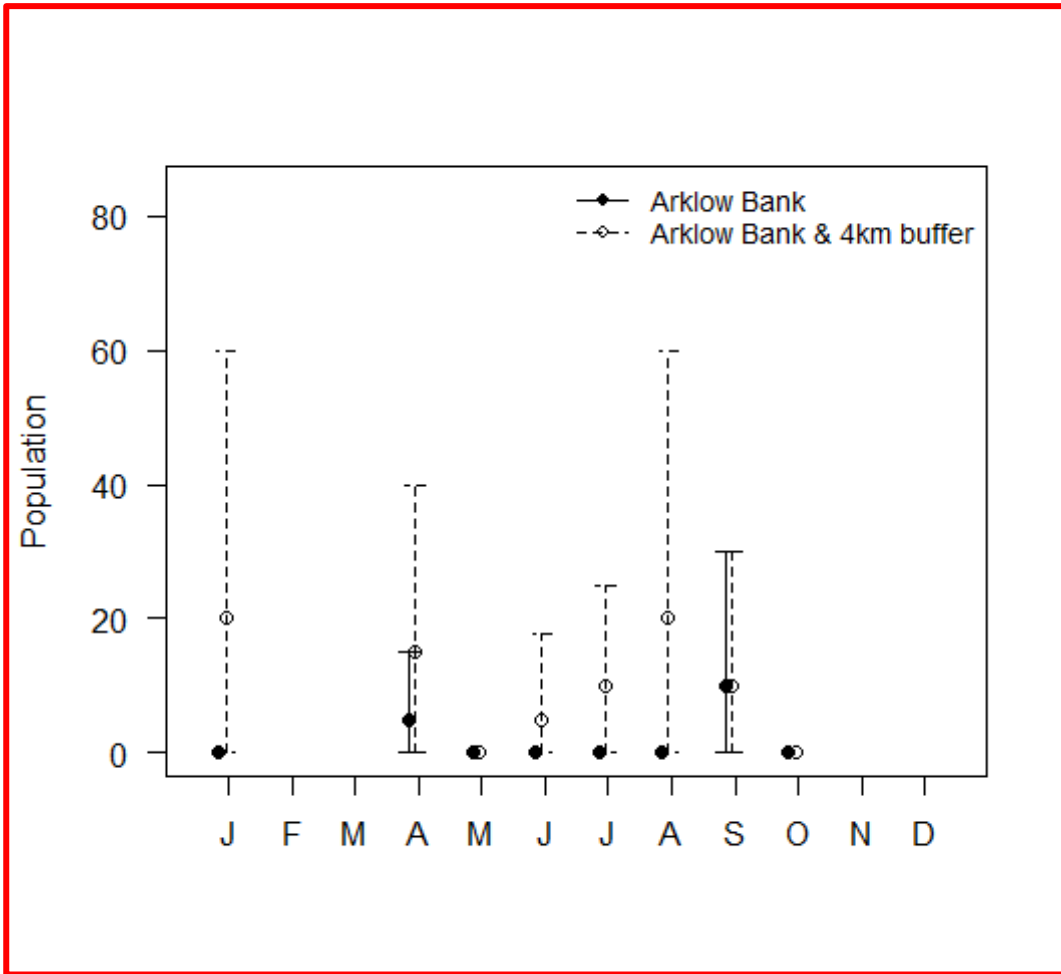


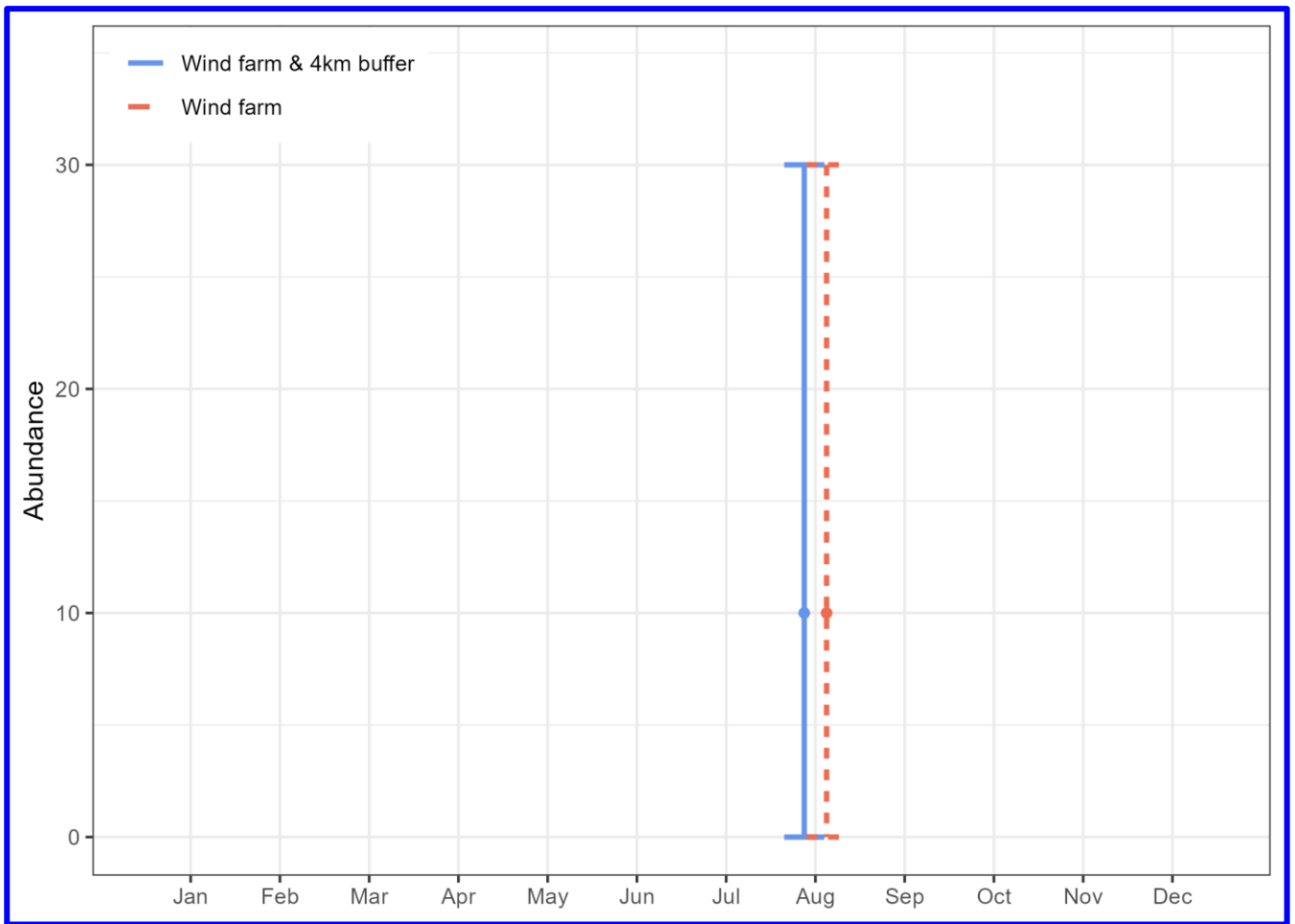
Figure 12.6-10. Cormorant / shag abundance in the Array Area and 4 km buffer. Mean monthly values averaged over years, upper and lower 95% confidence intervals generated using bootstrapping.



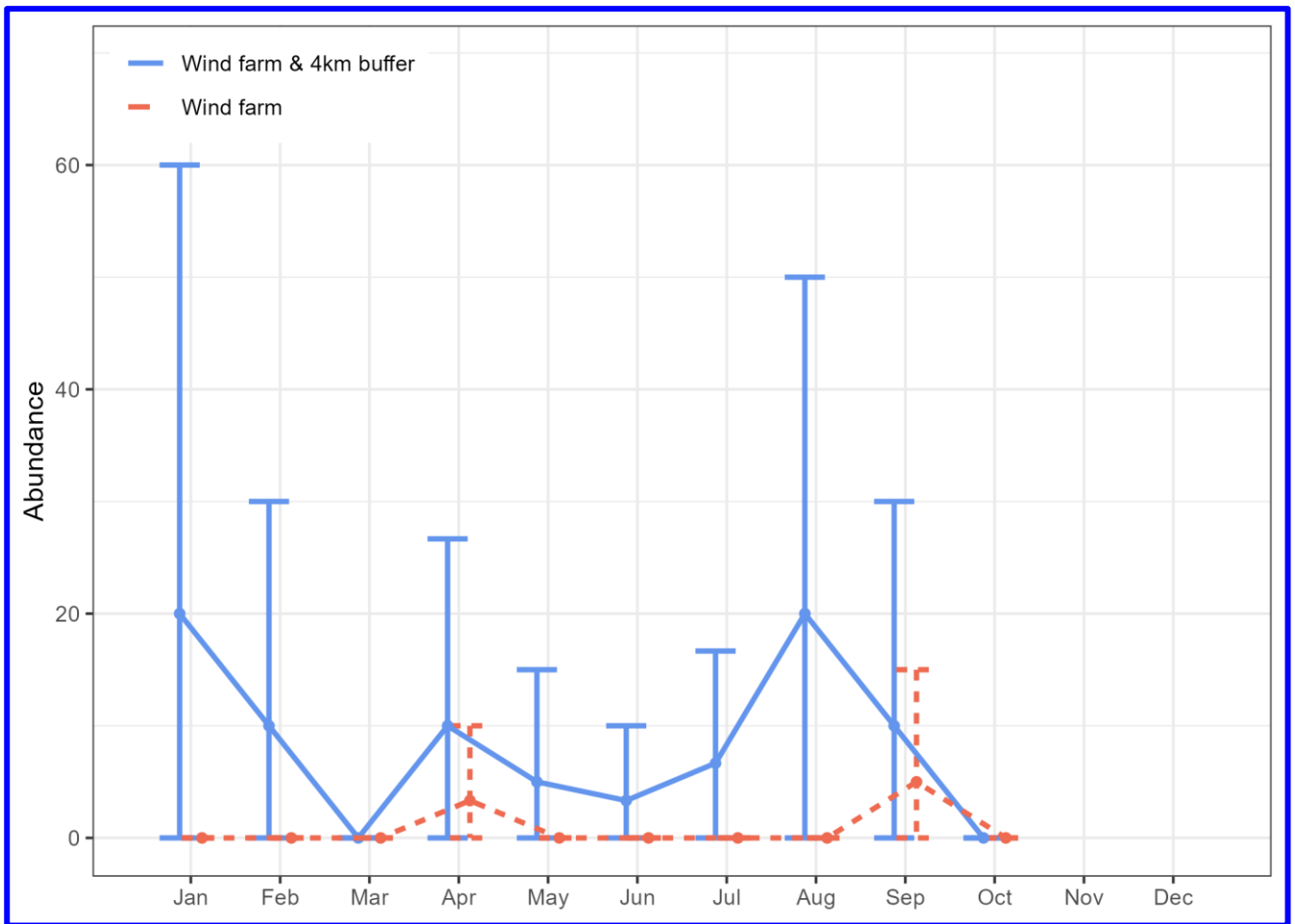


**Figure 12.6-11:** Diver species abundance in the Array Area and 4 km buffer. Mean monthly values averaged over years, upper and lower 95% confidence intervals generated using bootstrapping.

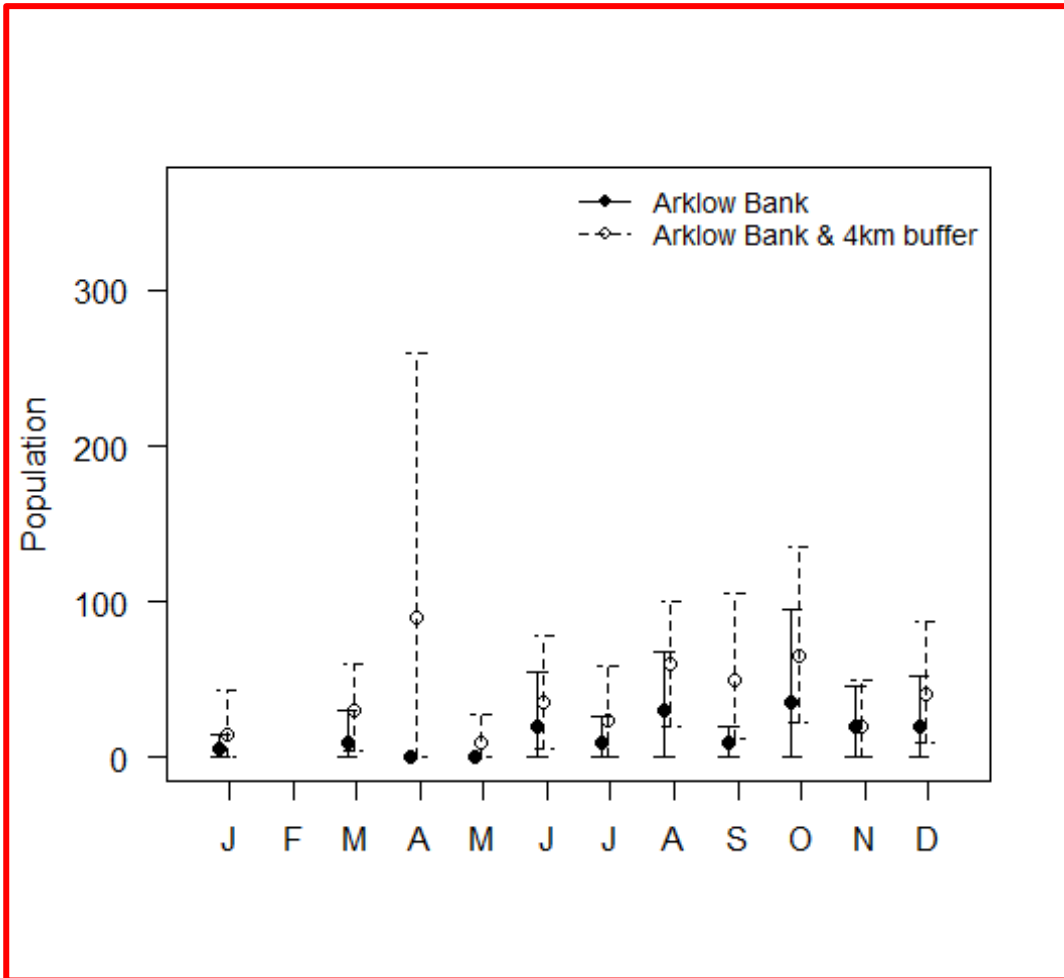




**Figure 12. European storm petrel abundance in the Array Area and 4 km buffer. Mean monthly values averaged over years, upper and lower 95% confidence intervals generated using bootstrapping.**



**Figure 12.6.12-13.** Fulmar abundance in the Array Area and 4 km buffer. Mean monthly values averaged over years, upper and lower 95% confidence intervals generated using bootstrapping.



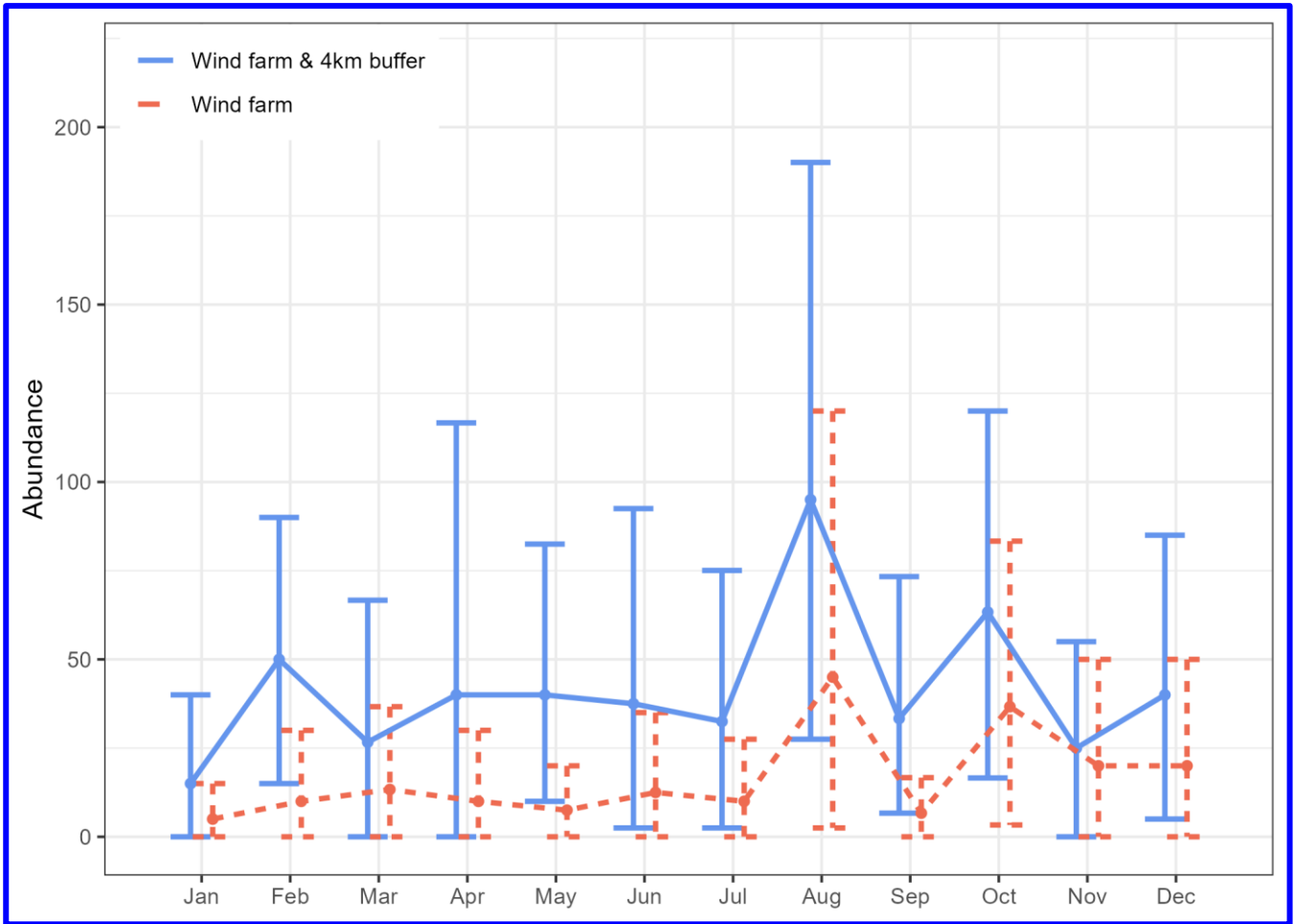
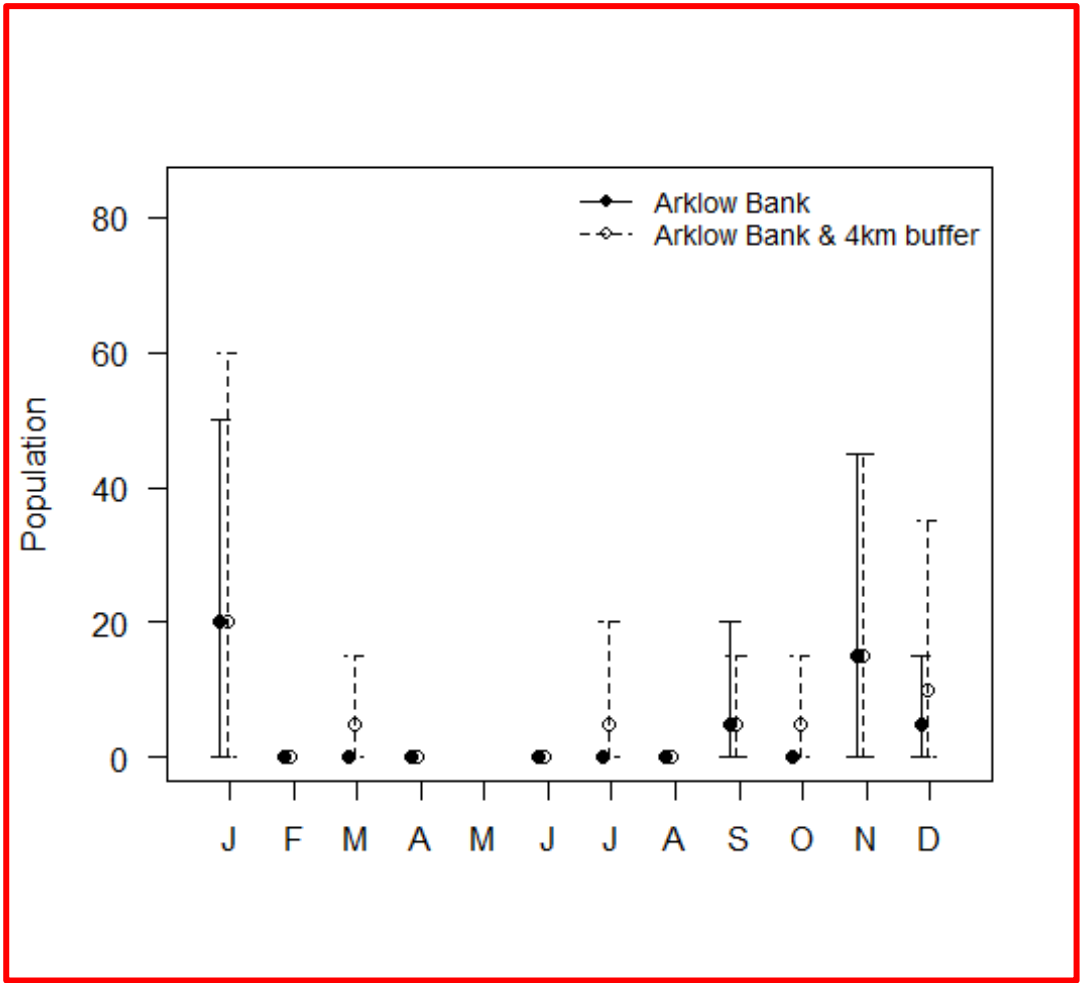
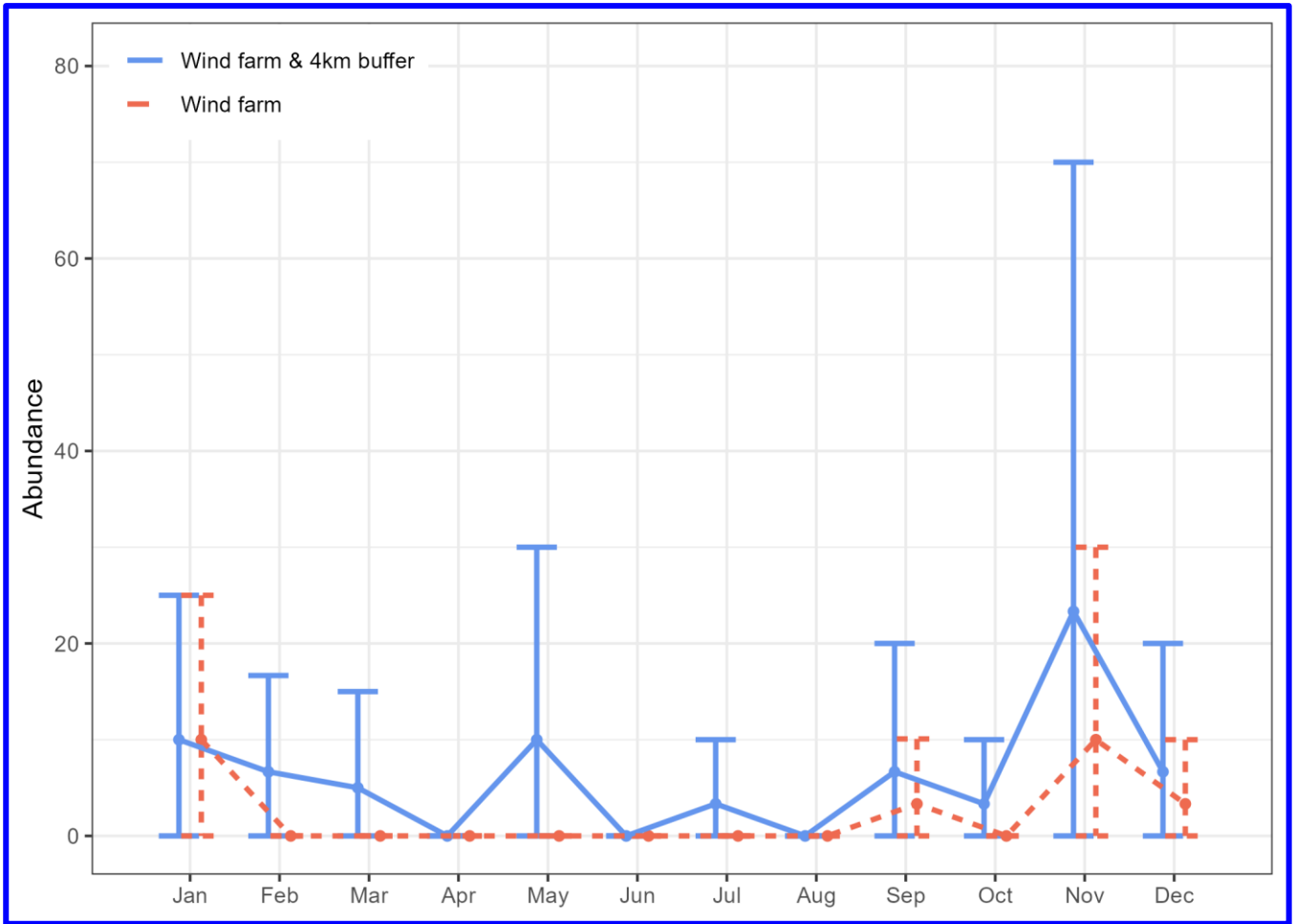
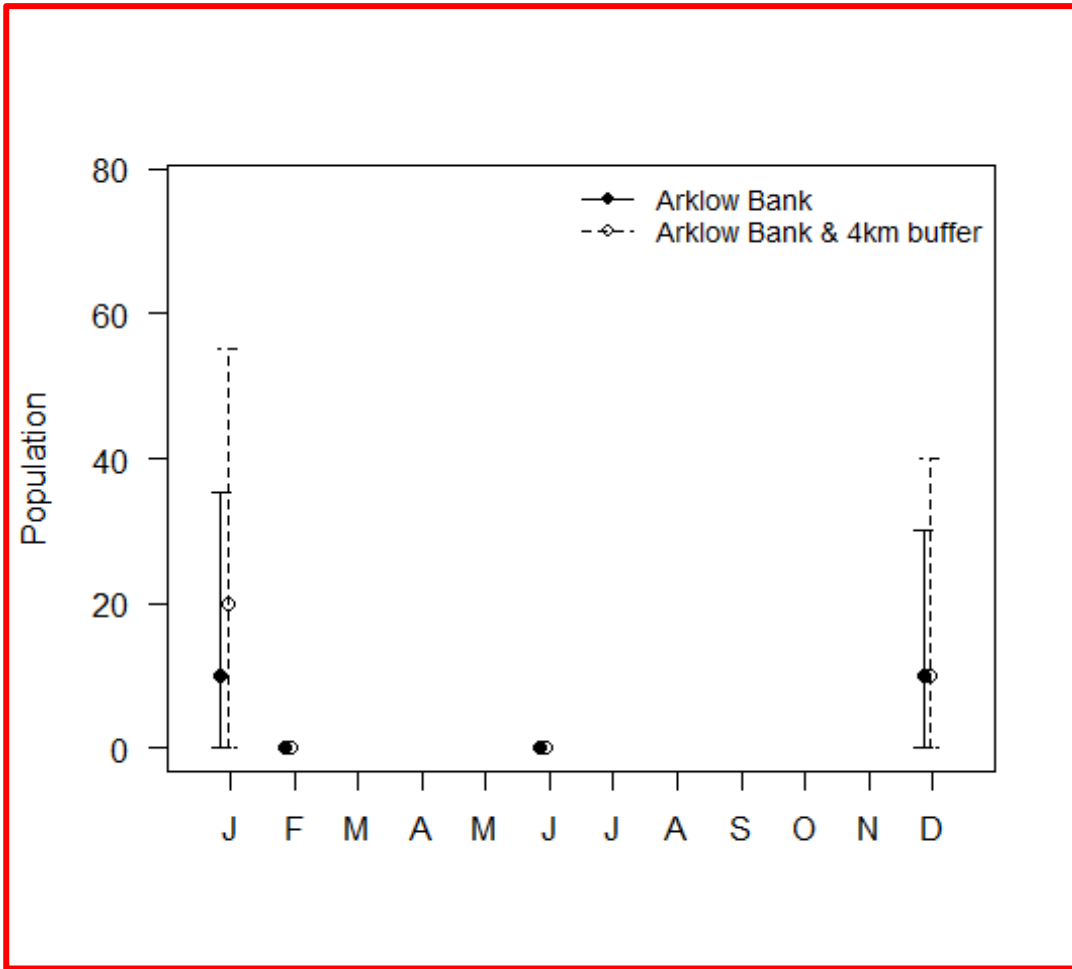


Figure 12.6.13-14. Gannet abundance in the Array Area and 4 km buffer. Mean monthly values averaged over years, upper and lower 95% confidence intervals generated using bootstrapping.





**Figure 12.6.14-15.** Great black-backed gull abundance in the Array Area and 4 km buffer. Mean monthly values averaged over years, upper and lower 95% confidence intervals generated using bootstrapping.



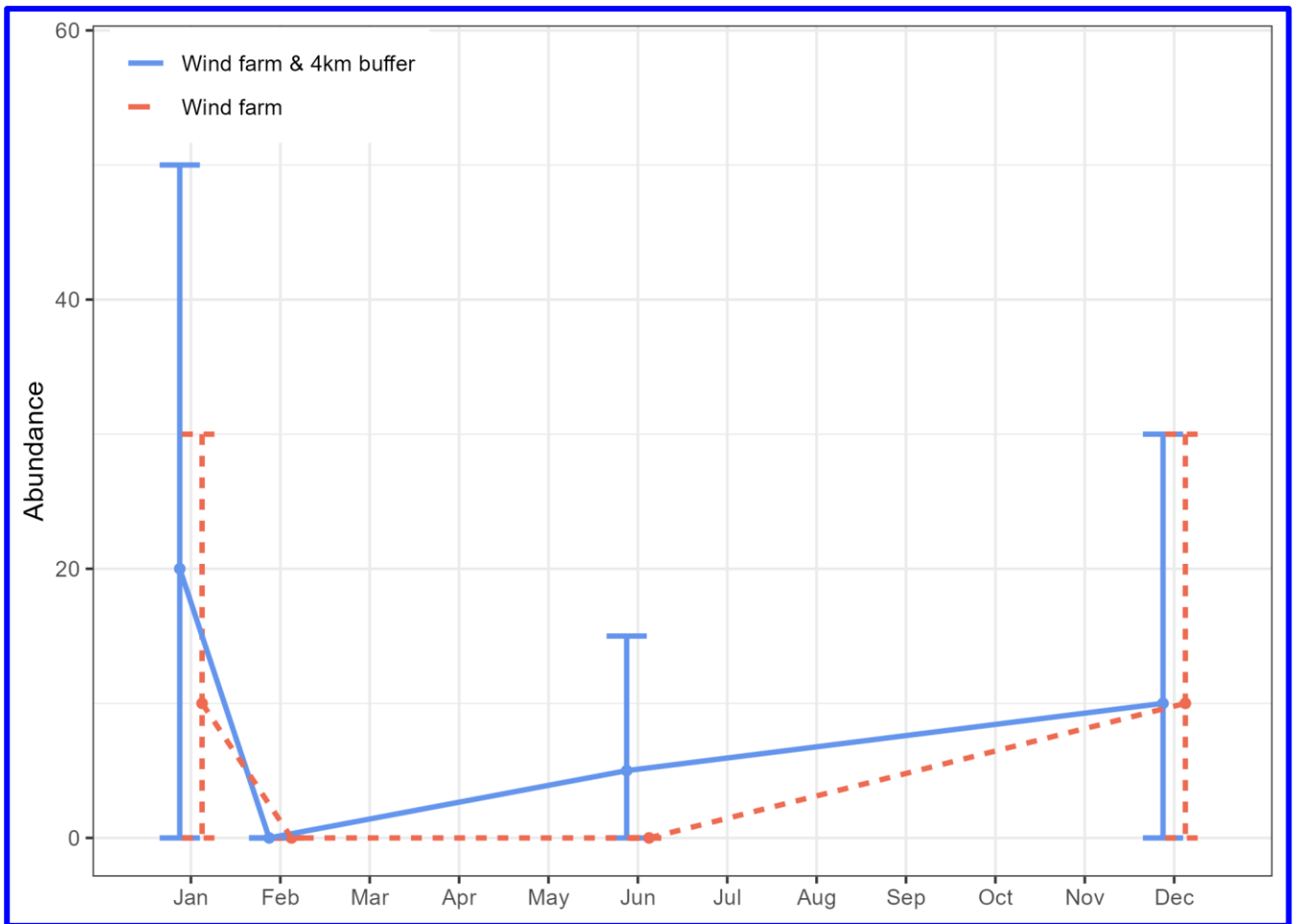
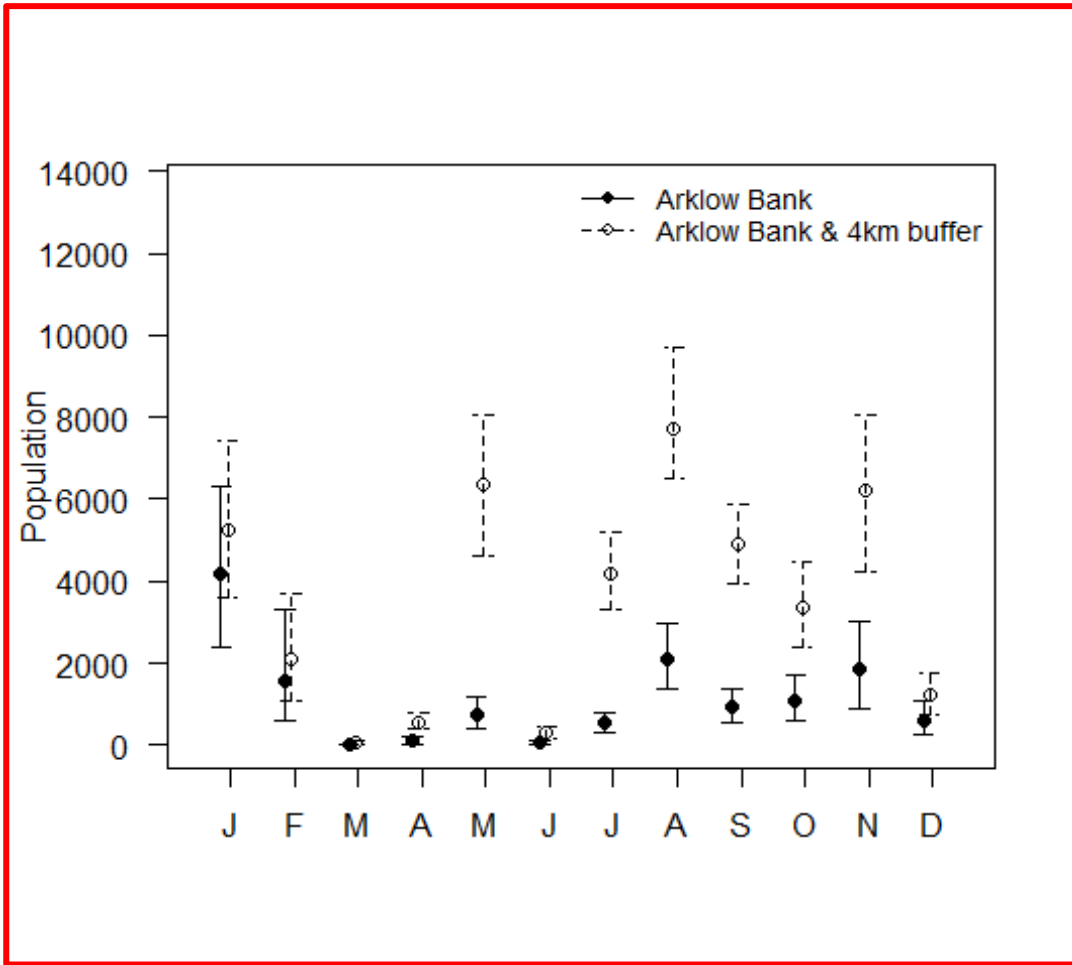


Figure 12.6.15-16. Great northern diver abundance in the Array Area and 4 km buffer. Mean monthly values averaged over years, upper and lower 95% confidence intervals generated using bootstrapping.



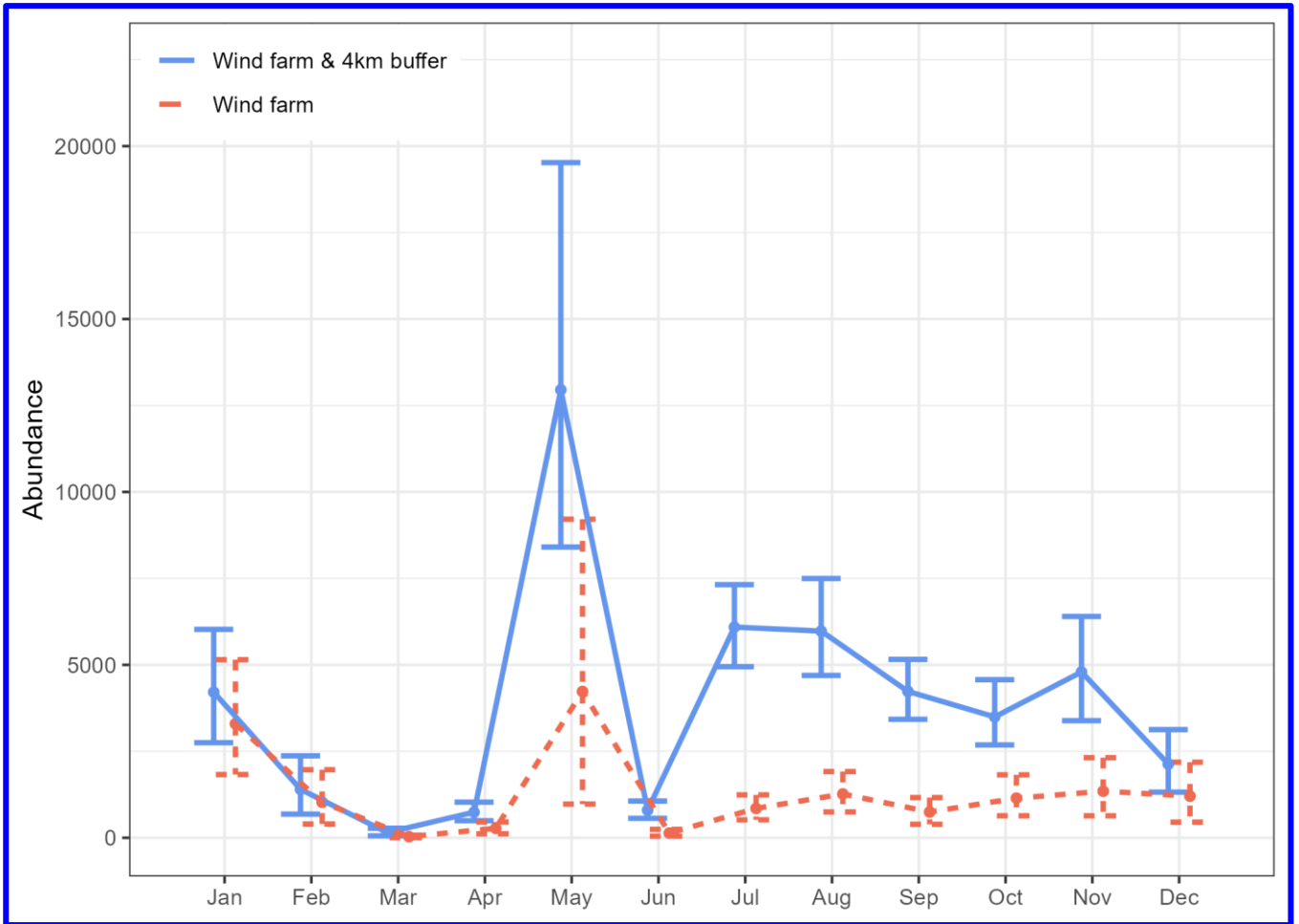
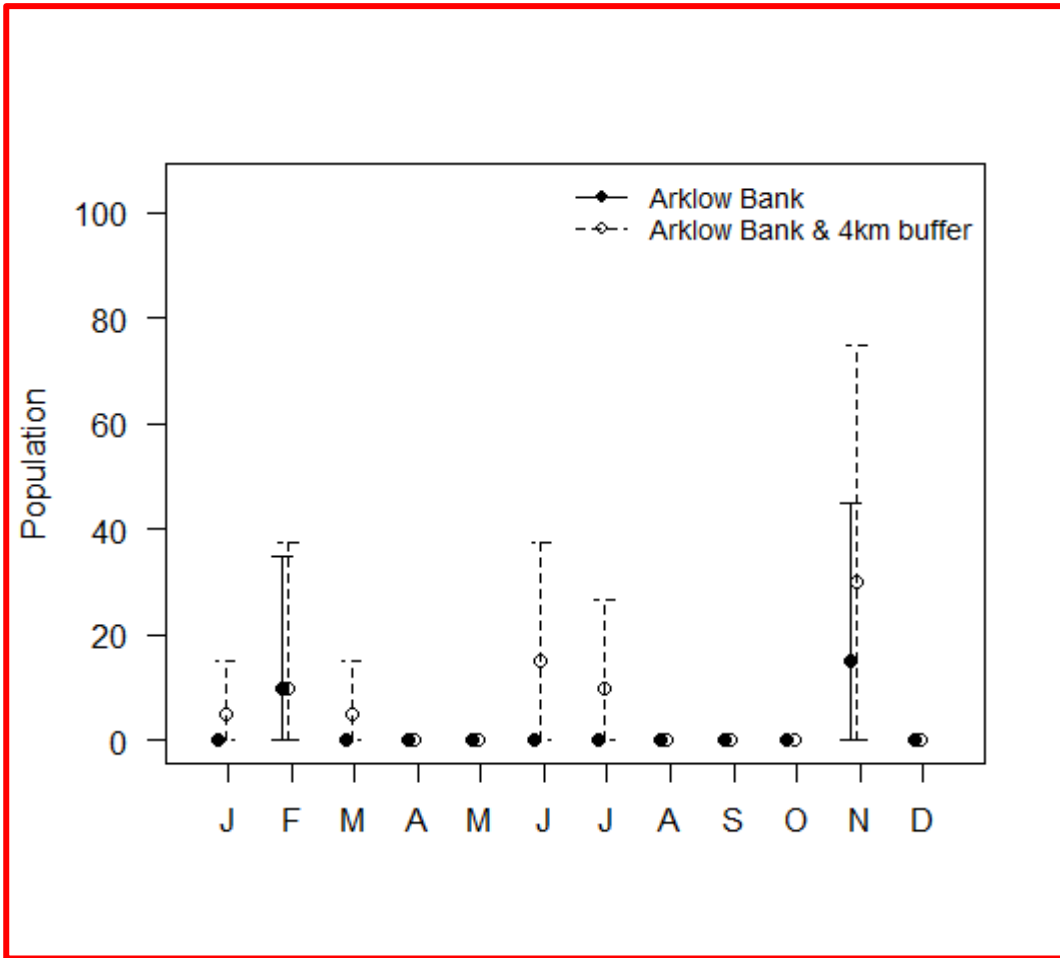


Figure 12.6.16-17. Guillemot abundance in the Array Area and 4 km buffer. Mean monthly values averaged over years, upper and lower 95% confidence intervals generated using bootstrapping.



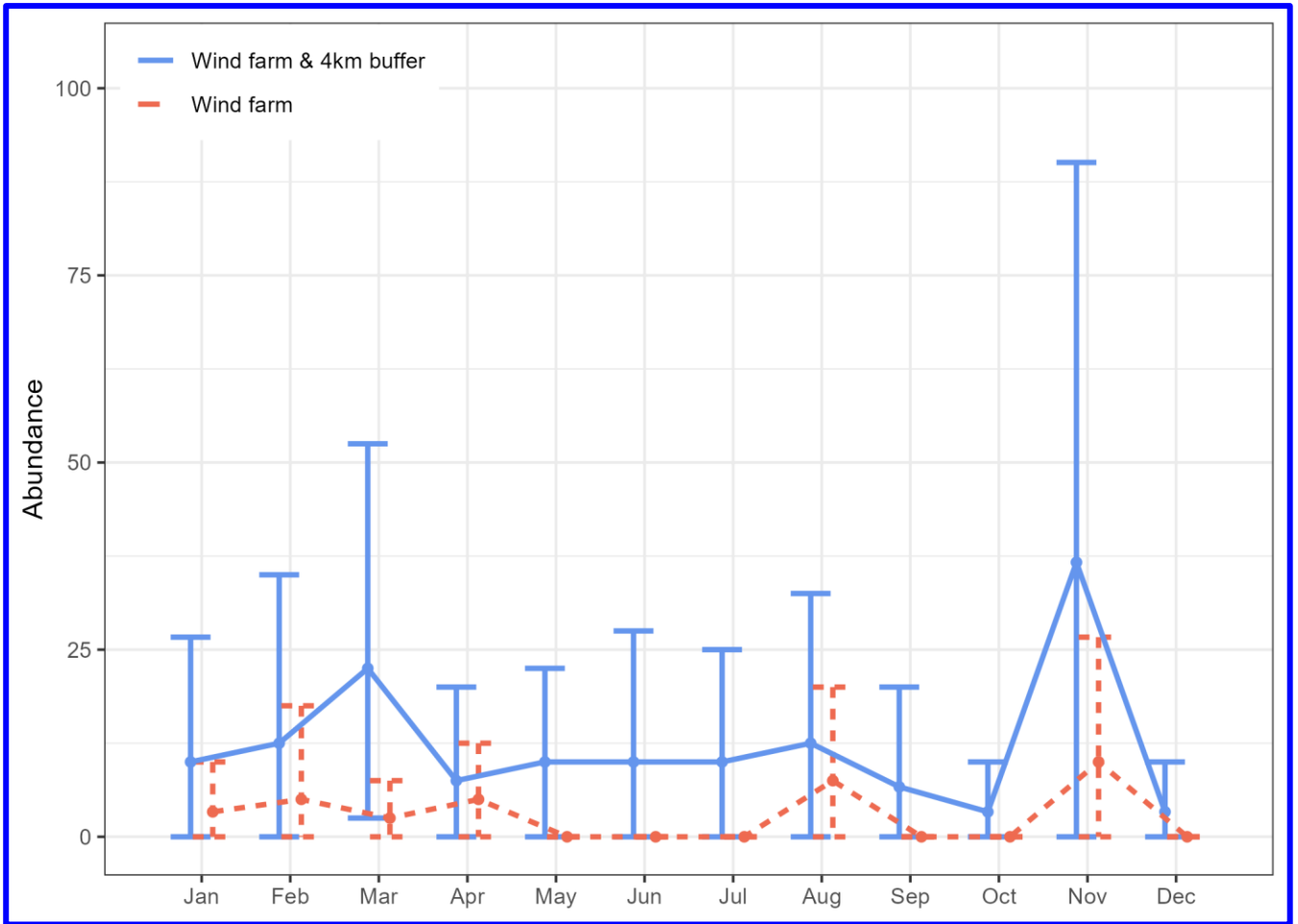
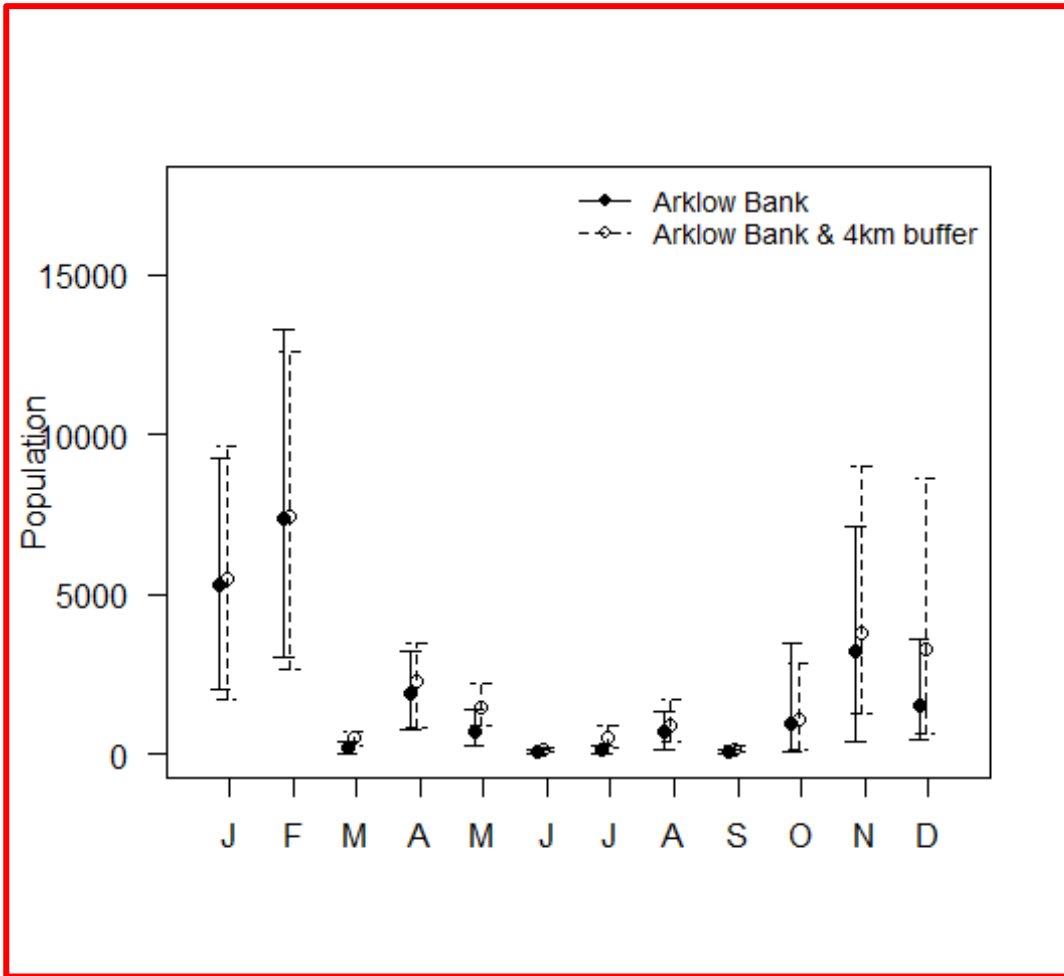


Figure 12.6.17-18. Herring gull abundance in the Array Area and 4 km buffer. Mean monthly values averaged over years, upper and lower 95% confidence intervals generated using bootstrapping.



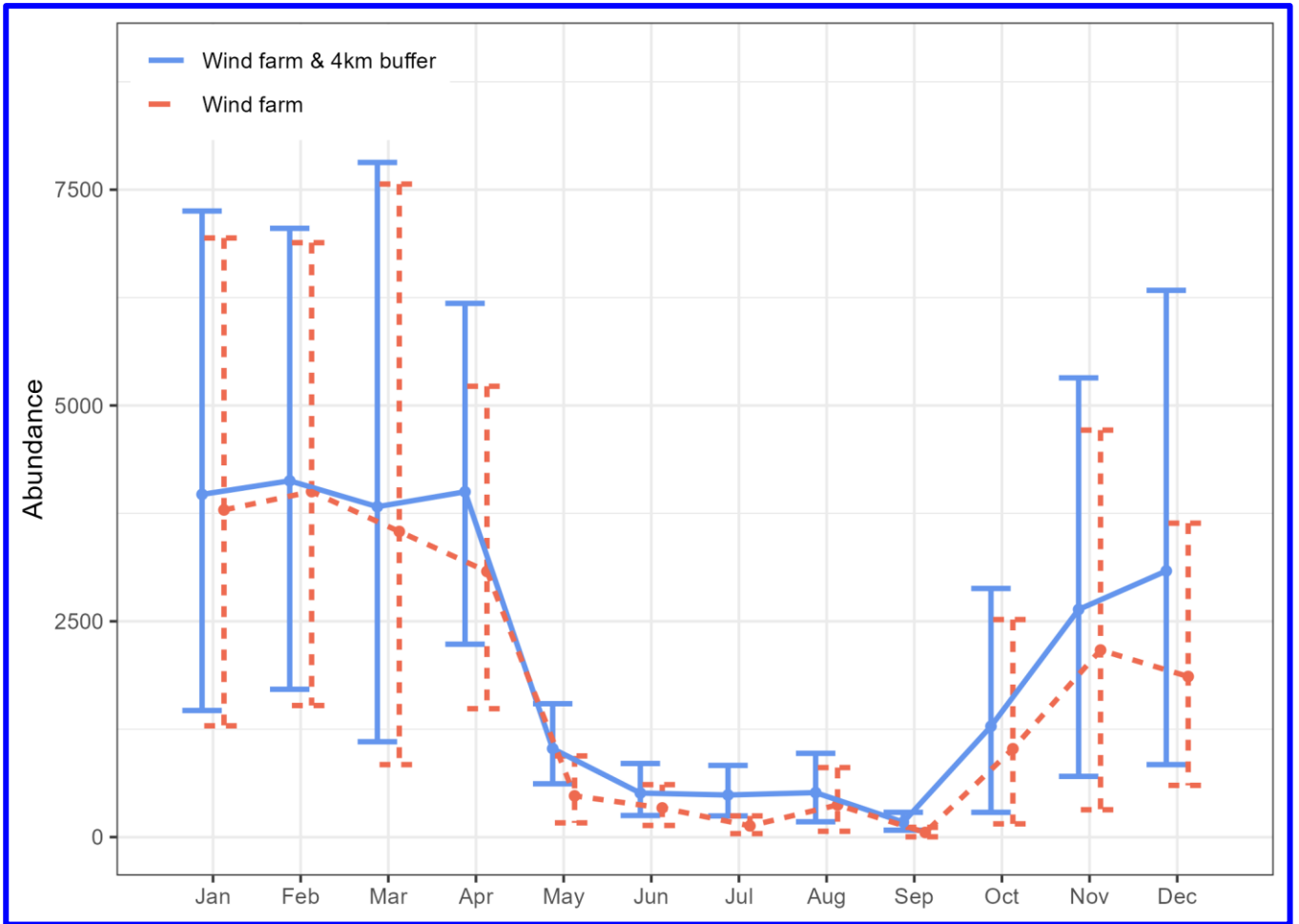
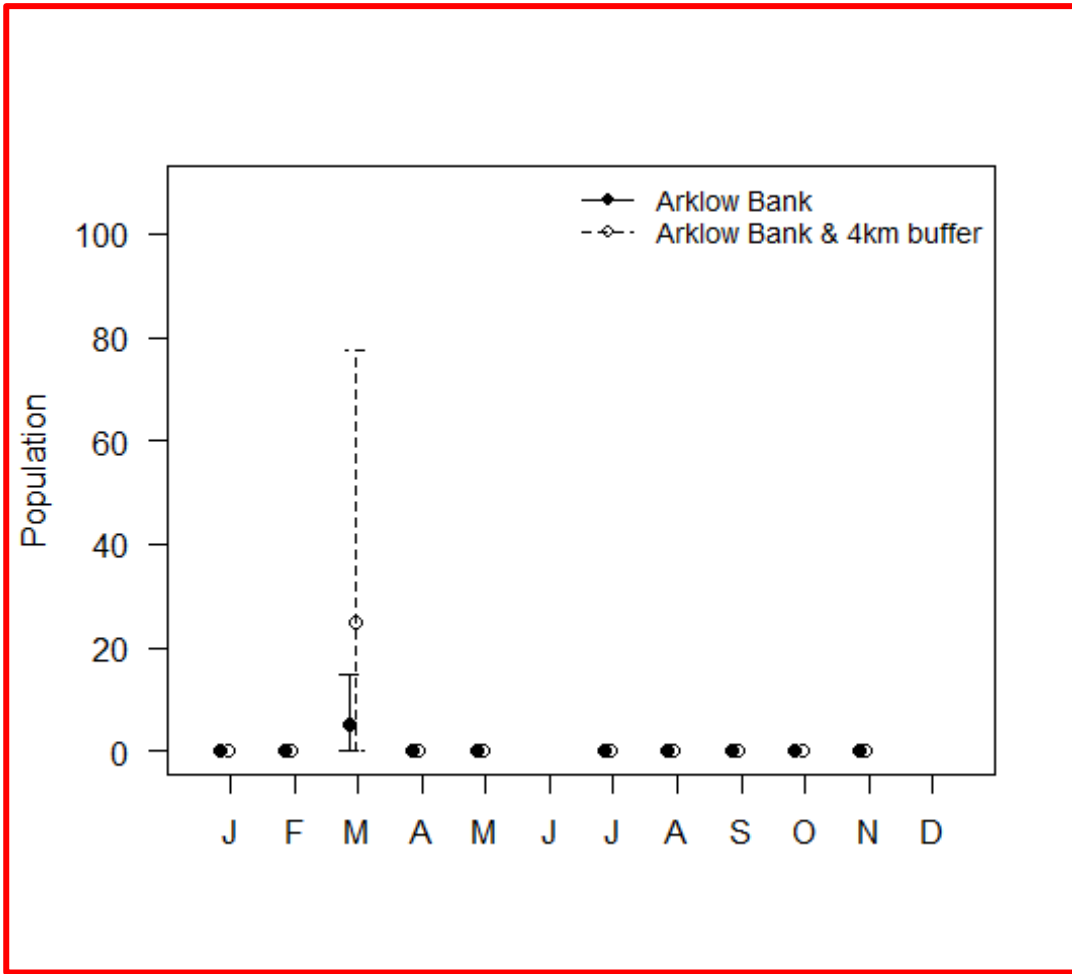
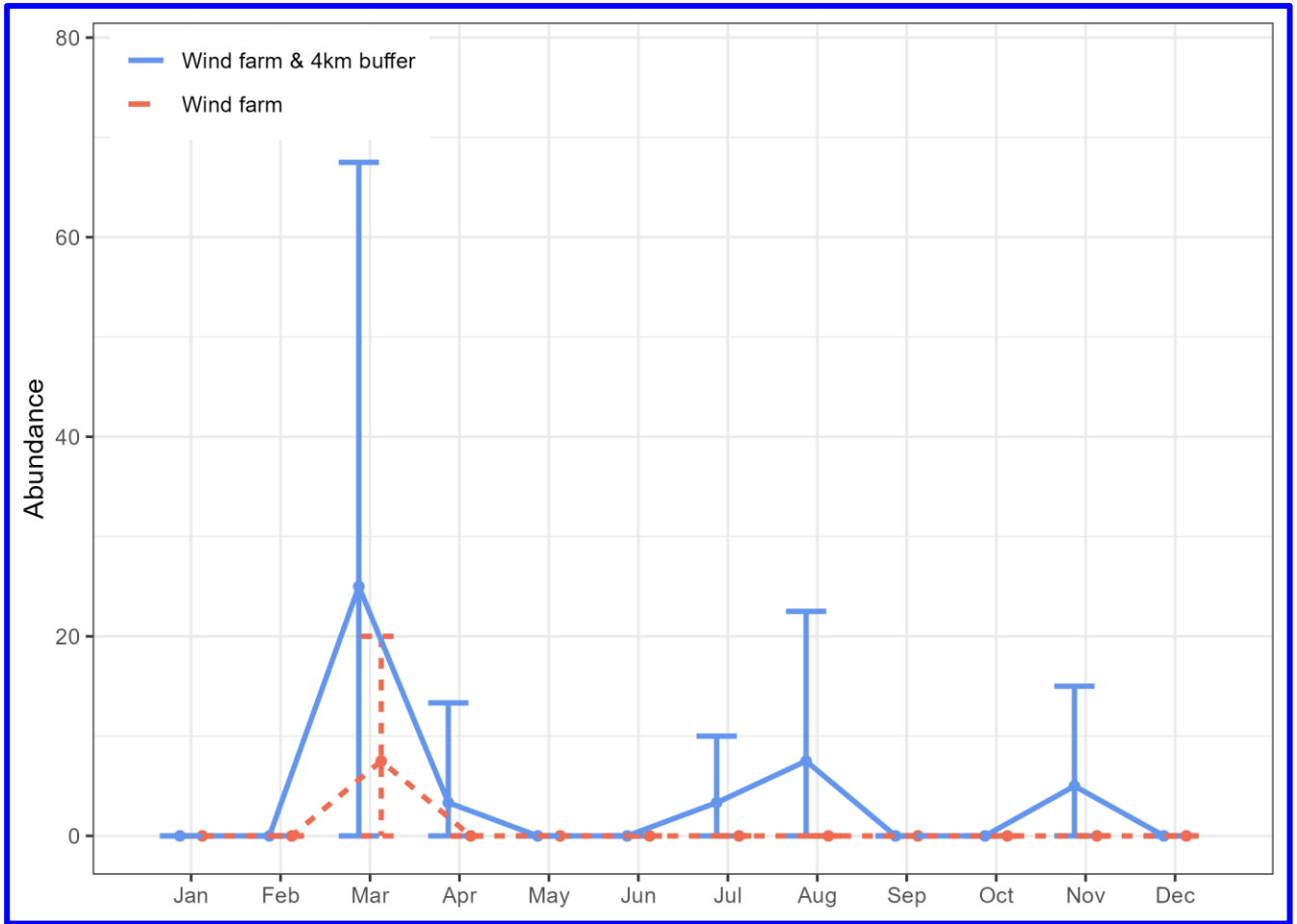
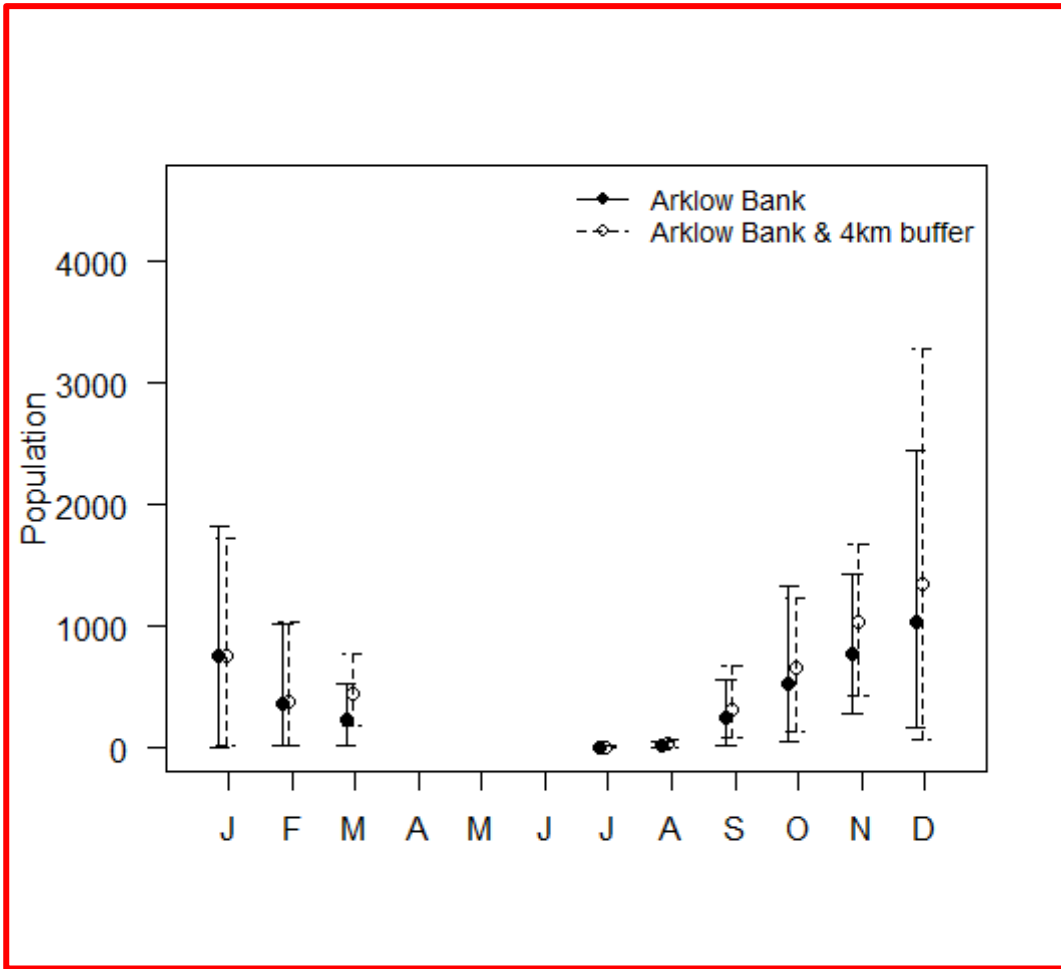


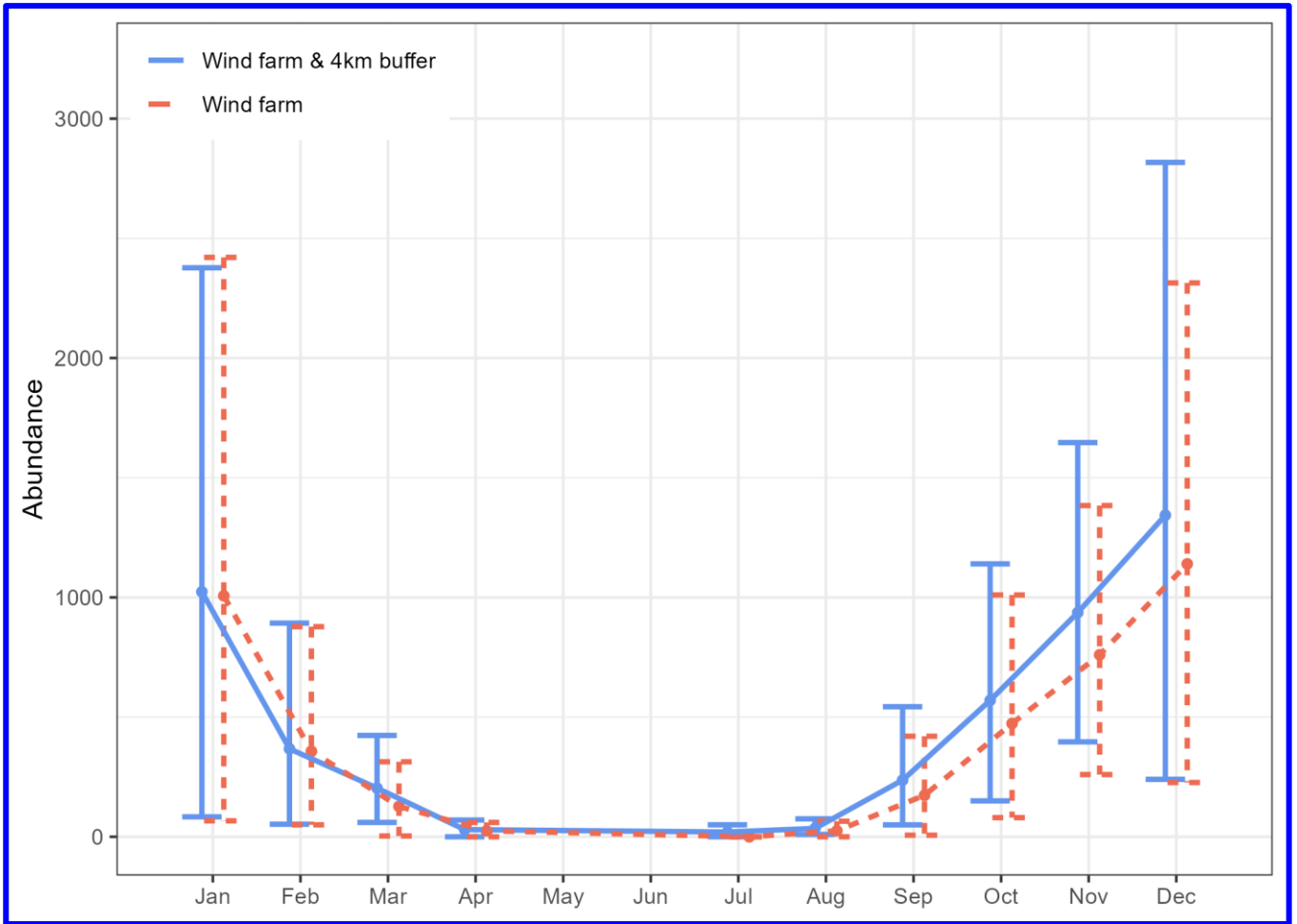
Figure 12.6.18-19. Kittiwake abundance in the Array Area and 4 km buffer. Mean monthly values averaged over years, upper and lower 95% confidence intervals generated using bootstrapping.



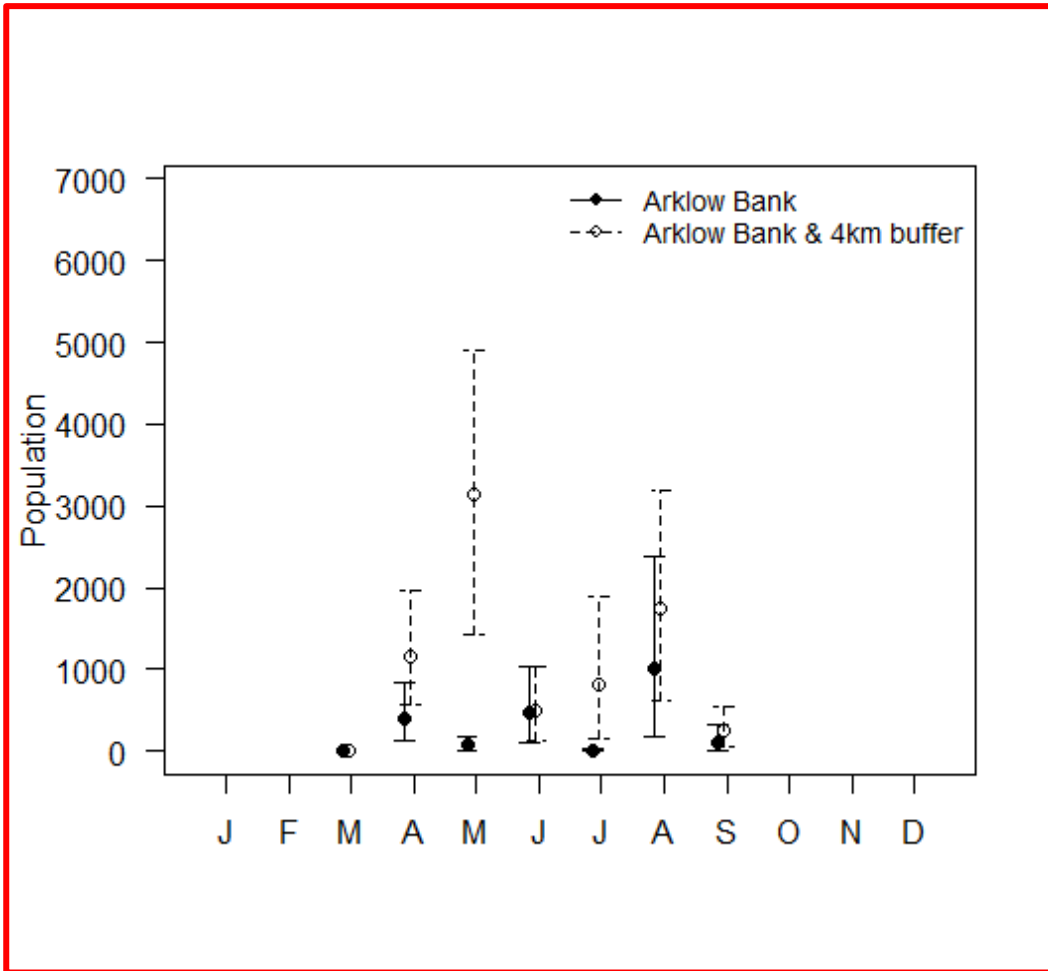


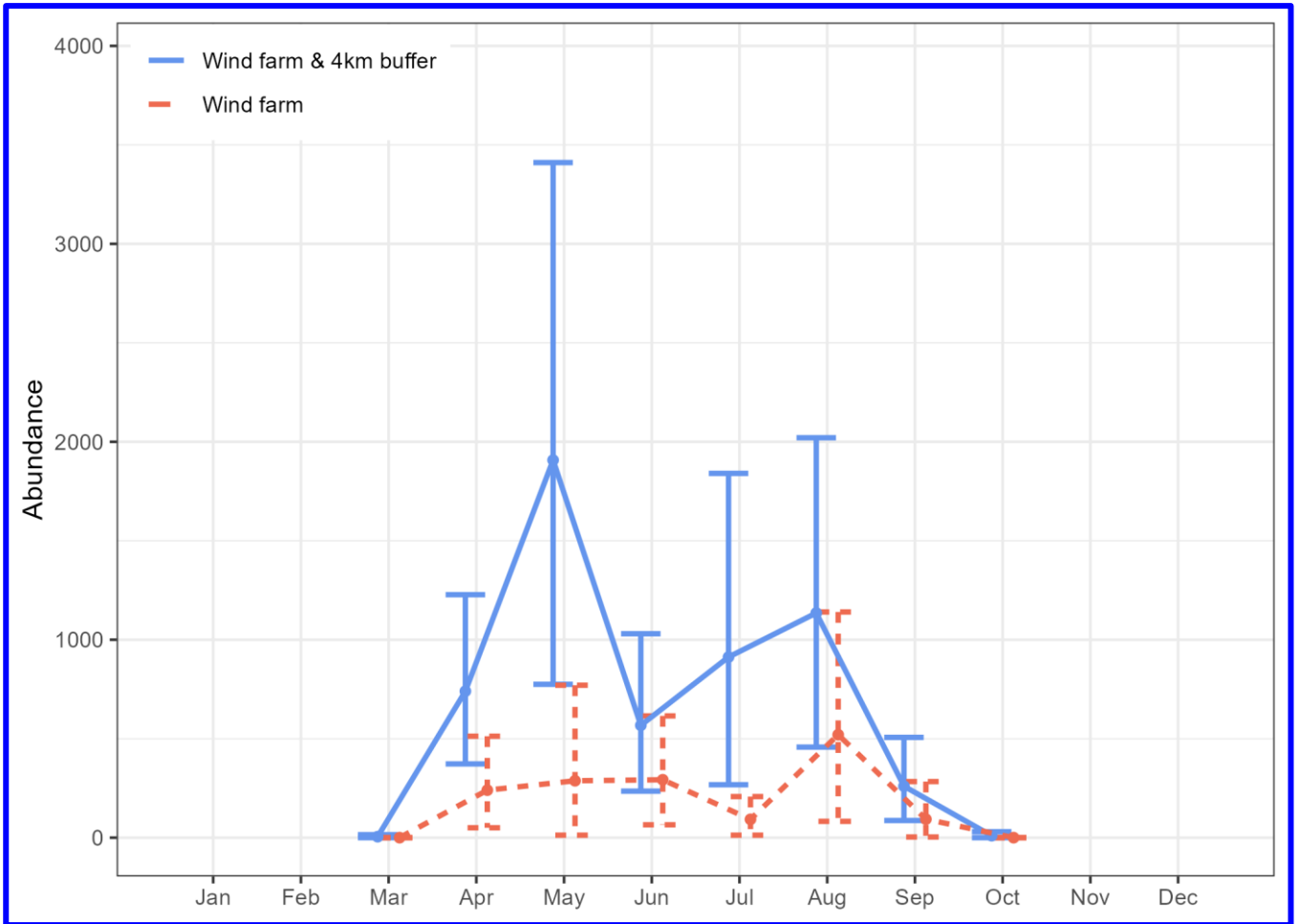
**Figure 12.6.19-20.** Lesser black-backed gull abundance in the Array Area and 4 km buffer. Mean monthly values averaged over years, upper and lower 95% confidence intervals generated using bootstrapping.



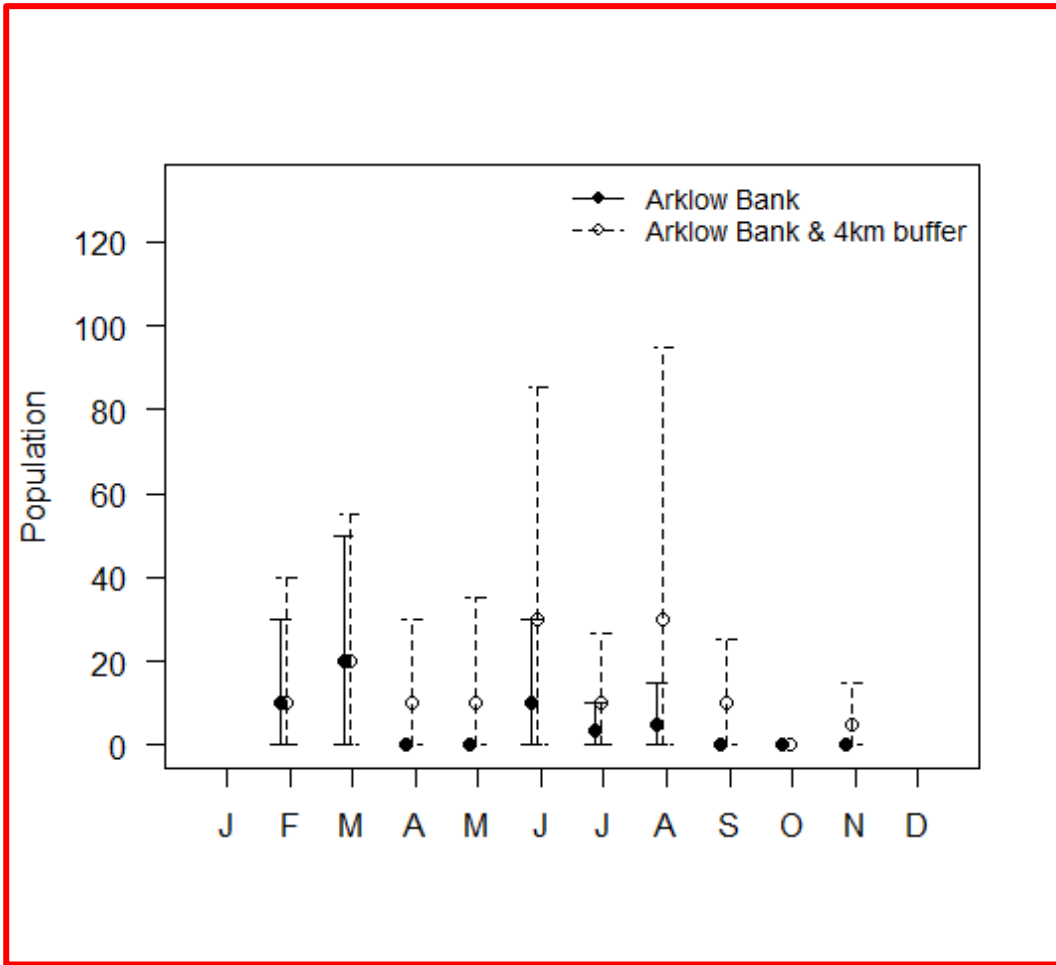


**Figure 12.6.20-21.** Little gull abundance in the Array Area and 4 km buffer. Mean monthly values averaged over years, upper and lower 95% confidence intervals generated using bootstrapping.





**Figure 12.6.21-22.** Manx shearwater abundance in the Array Area and 4 km buffer. Mean monthly values averaged over years, upper and lower 95% confidence intervals generated using bootstrapping.



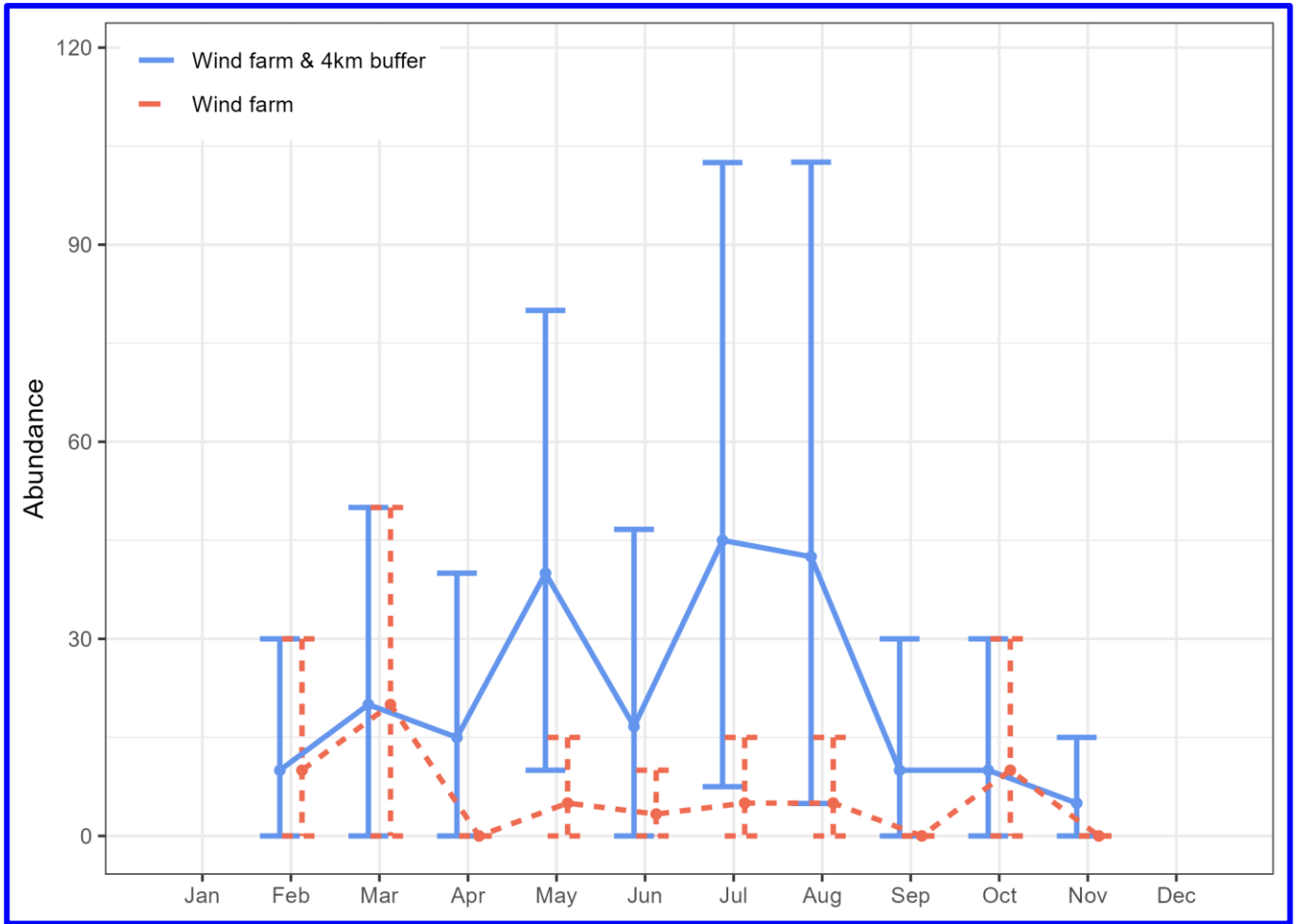
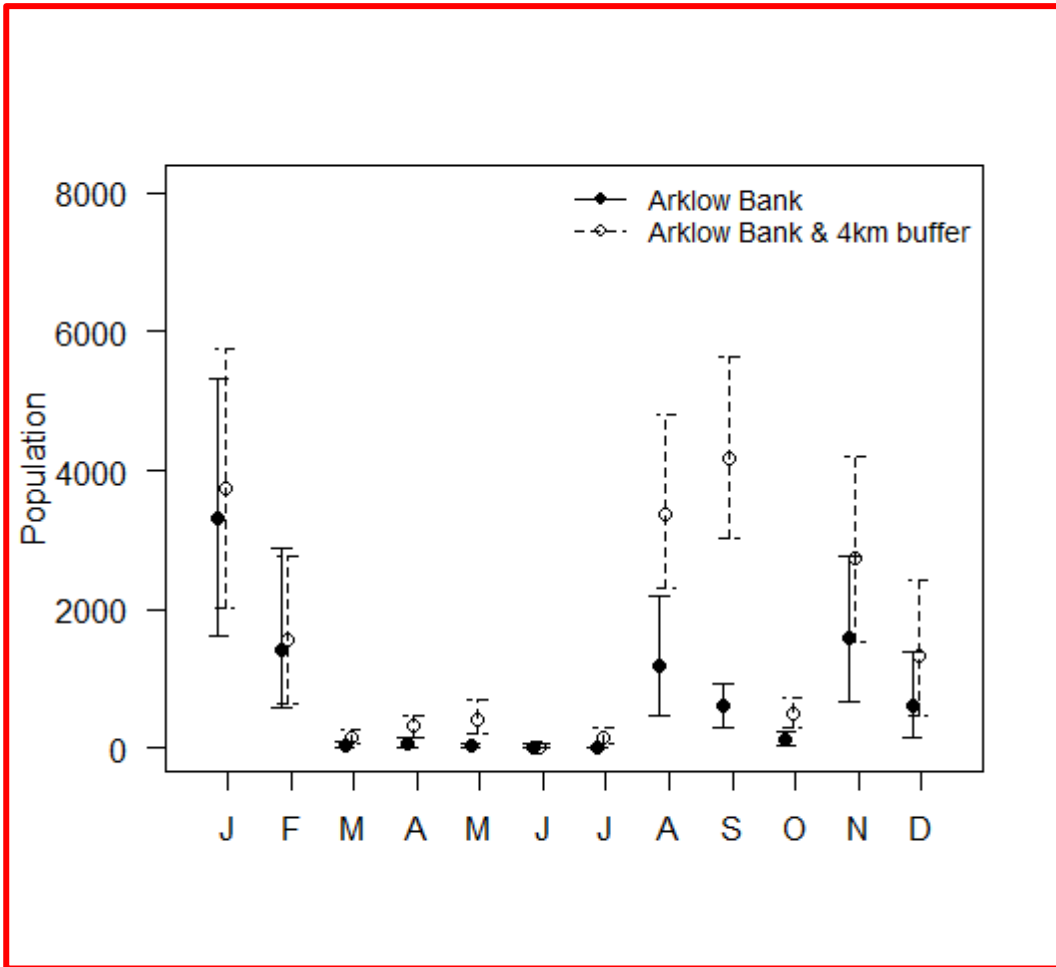
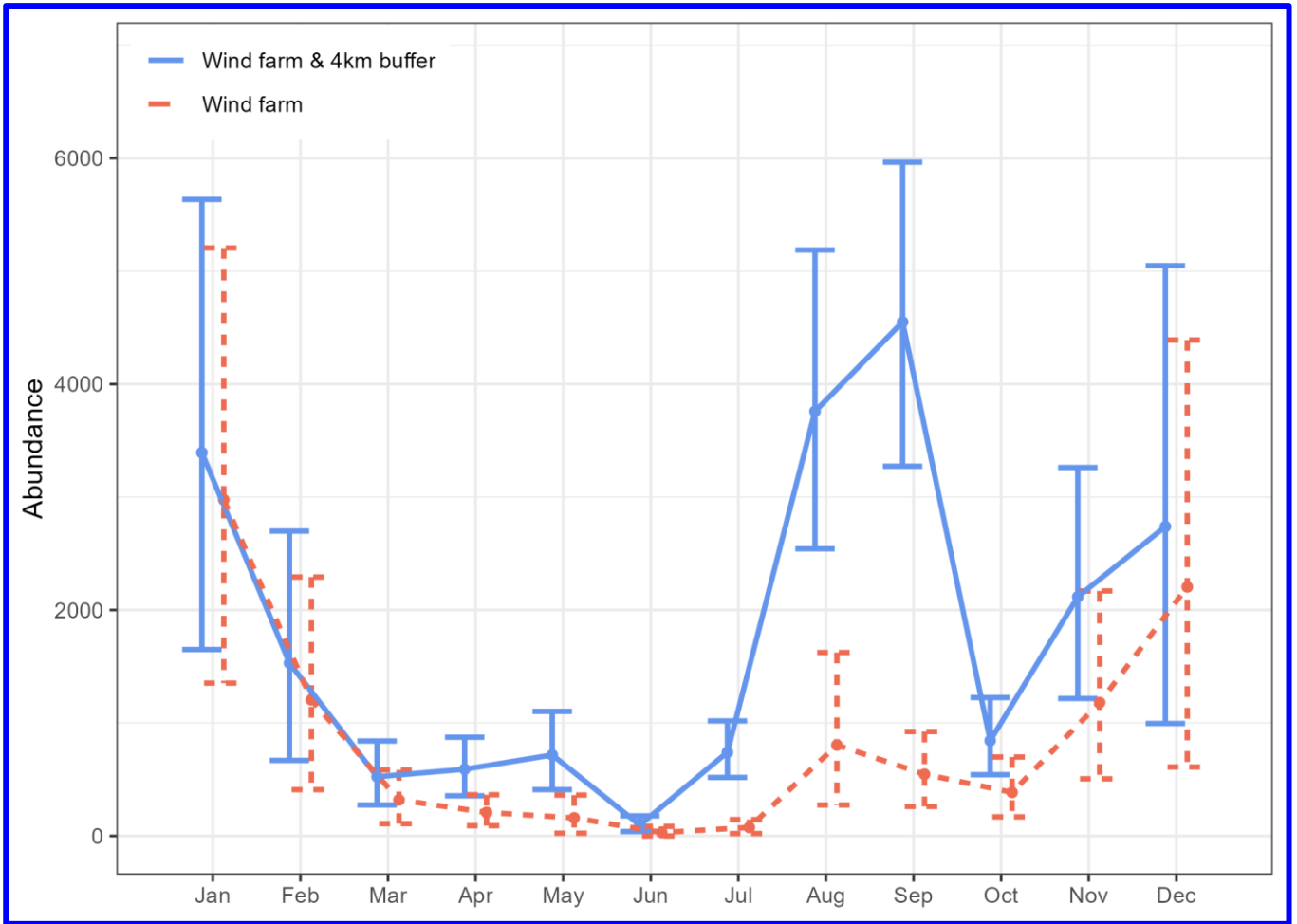
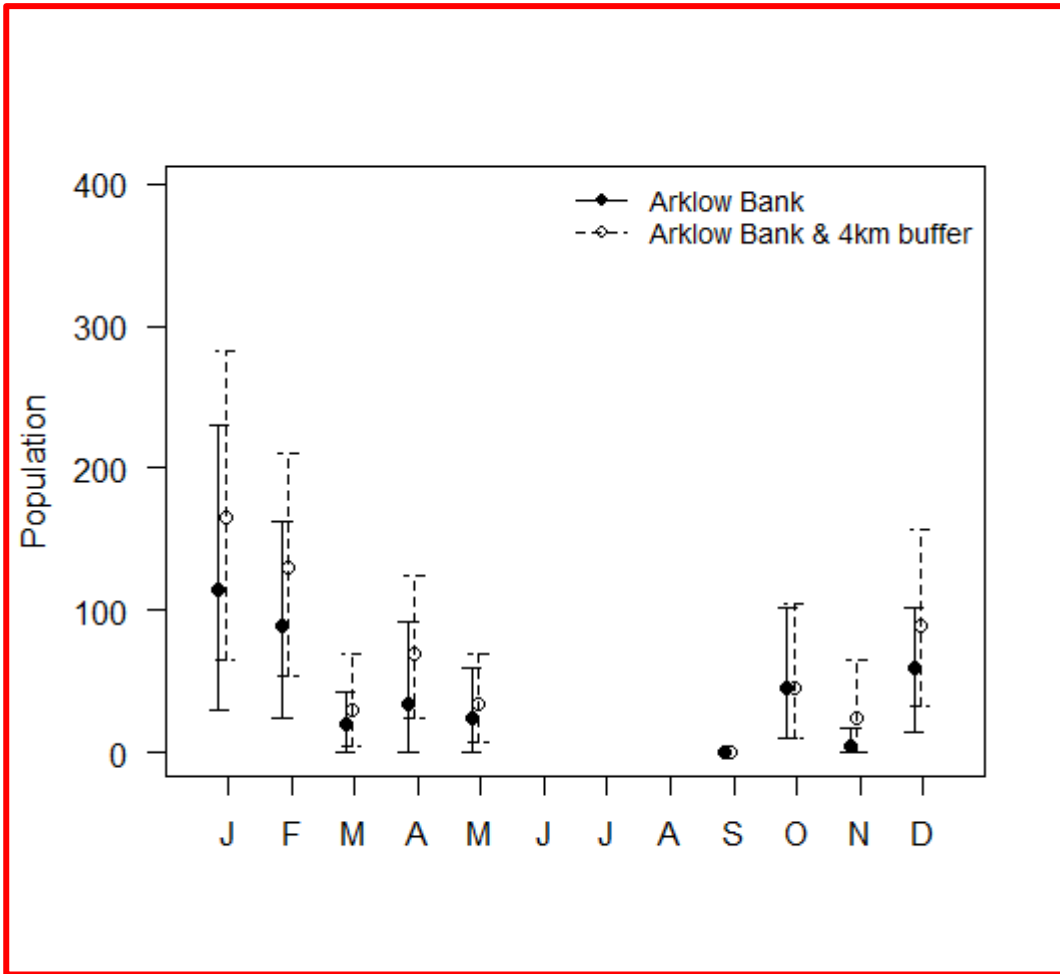


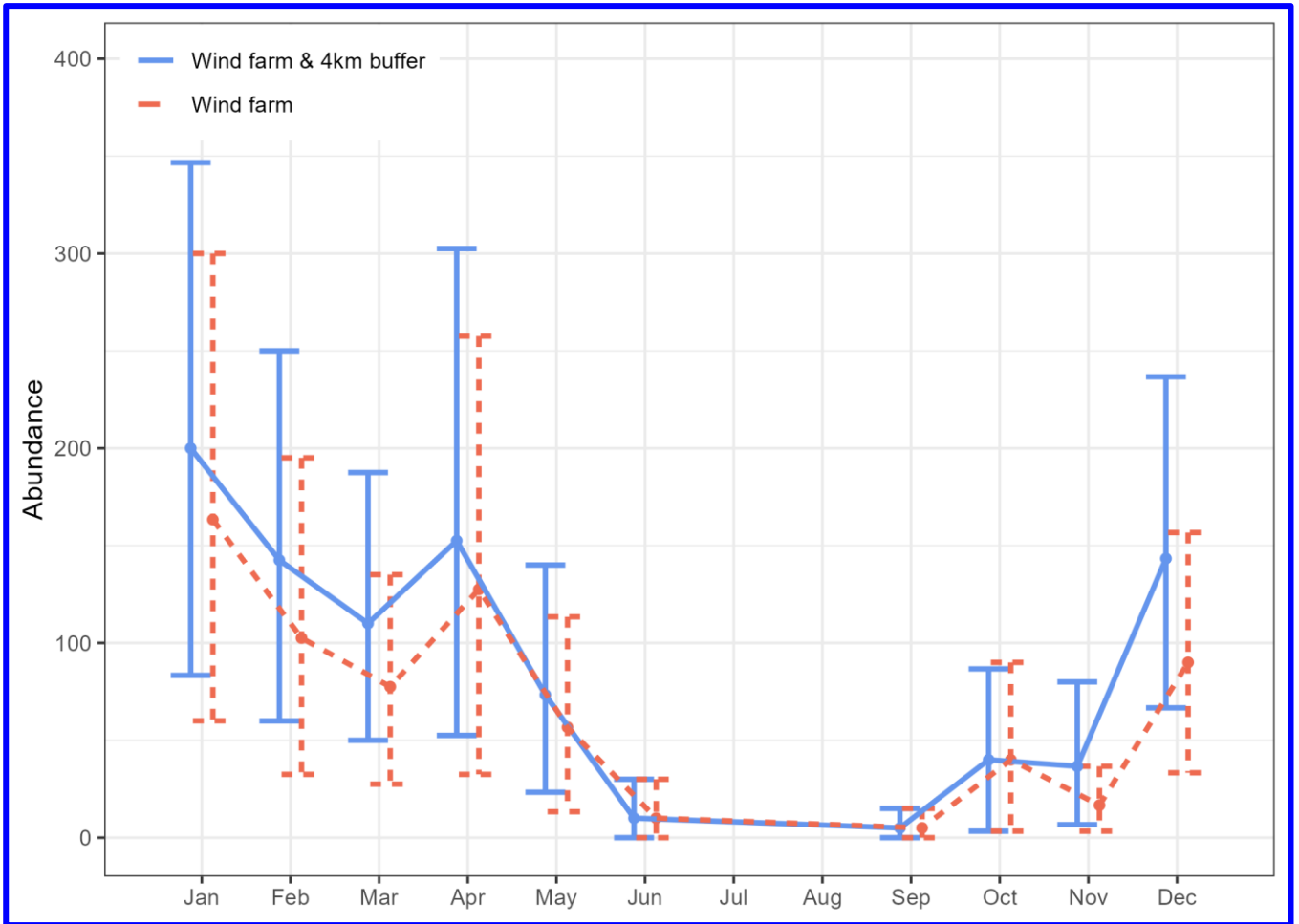
Figure 12.6.22-23. Puffin abundance in the Array Area and 4 km buffer. Mean monthly values averaged over years, upper and lower 95% confidence intervals generated using bootstrapping.



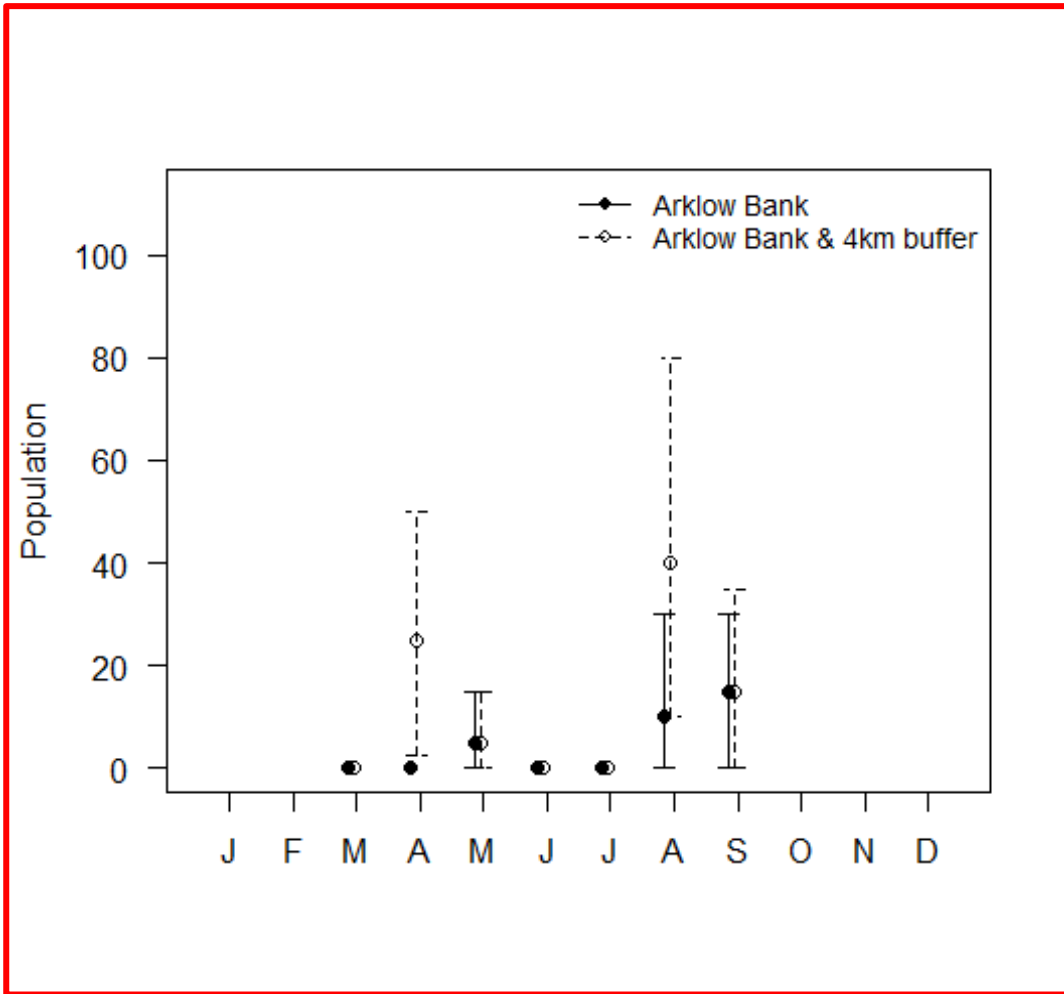


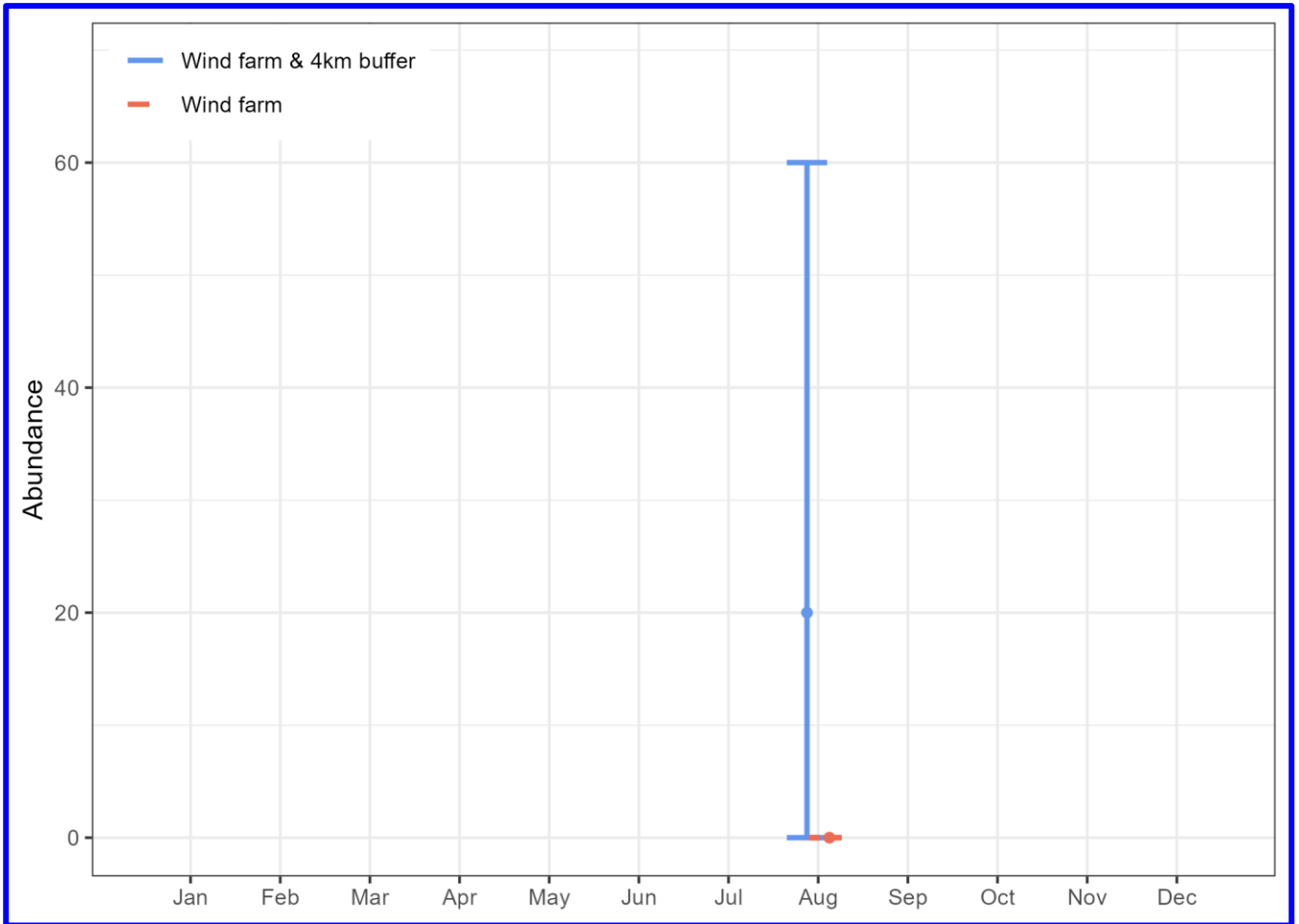
**Figure 12.6.23-24.** Razorbill abundance in the Array Area and 4 km buffer. Mean monthly values averaged over years, upper and lower 95% confidence intervals generated using bootstrapping.





**Figure 12.6.24-25.** Red-throated diver abundance in the Array Area and 4 km buffer. Mean monthly values averaged over years, upper and lower 95% confidence intervals generated using bootstrapping.





**Figure 26. Roseate Tern abundance in the Array Area and 4 km buffer. Mean monthly values averaged over years, upper and lower 95% confidence intervals generated using bootstrapping.**

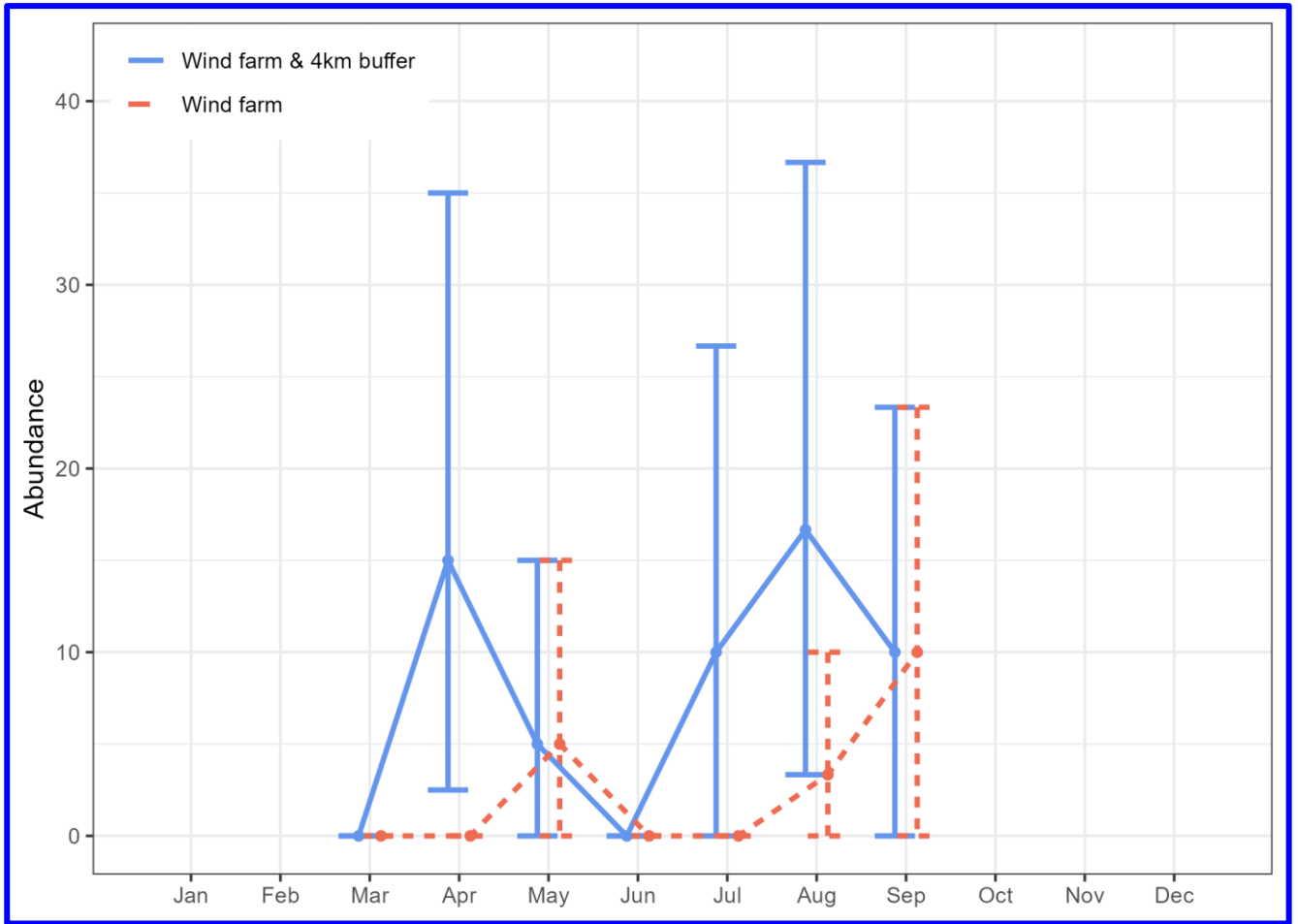
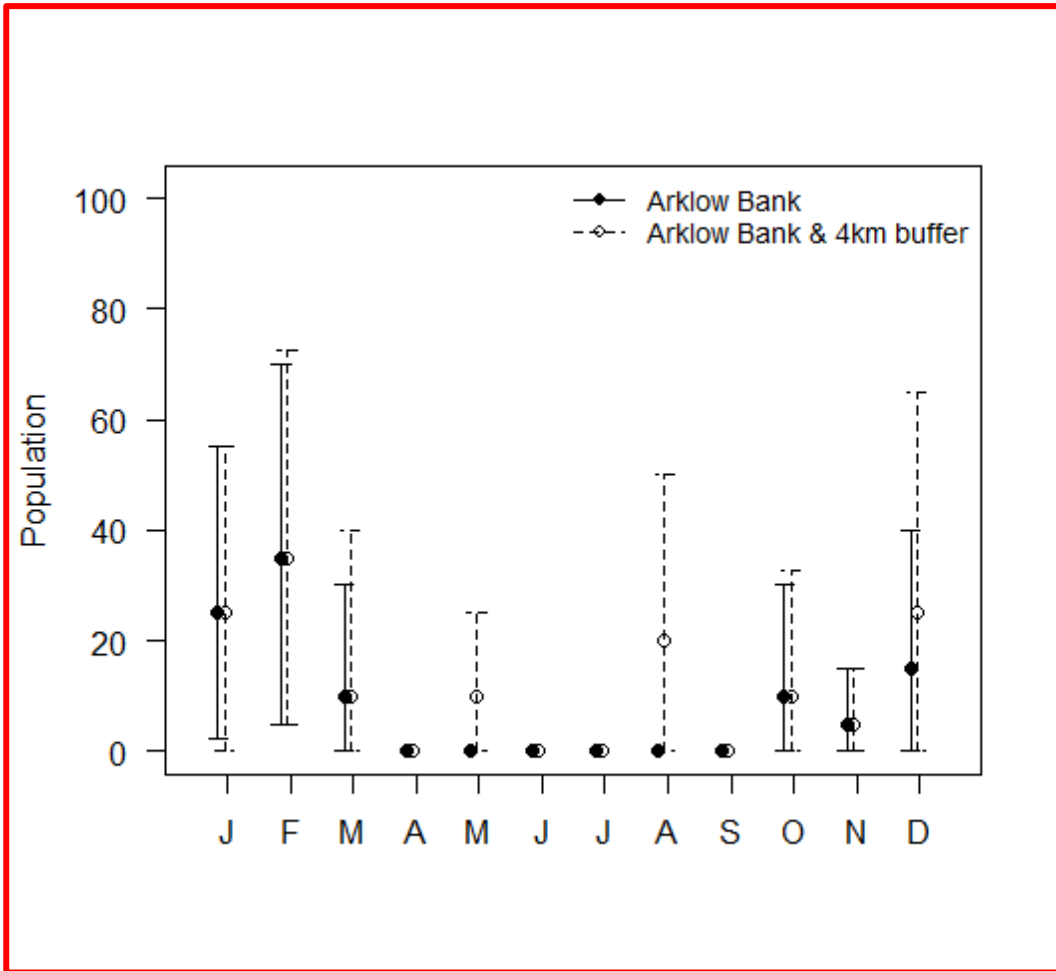


Figure 12.6.25-27. Sandwich tern abundance in the Array Area and 4 km buffer. Mean monthly values averaged over years, upper and lower 95% confidence intervals generated using bootstrapping.



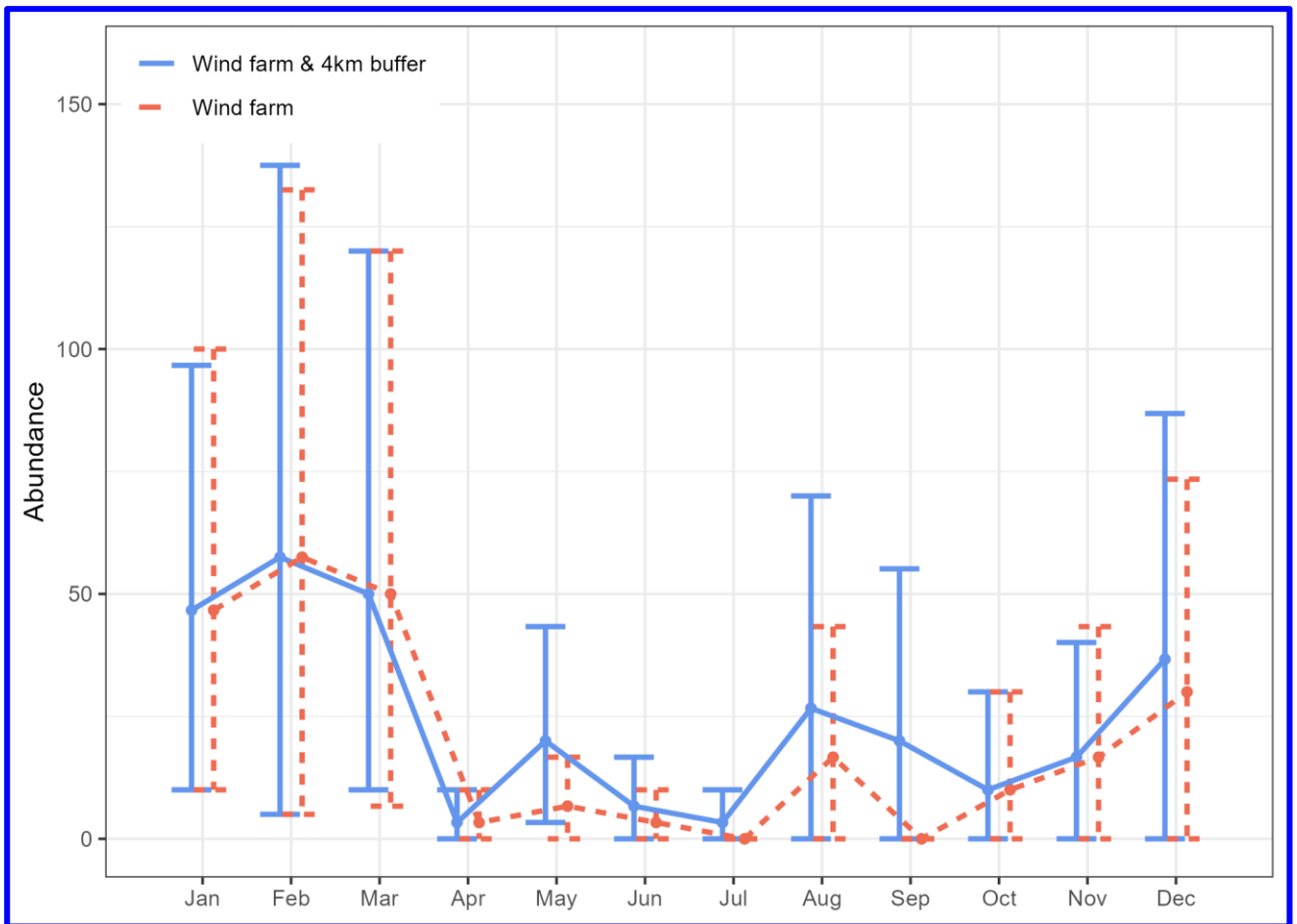


Figure 12.6.26-28. Shag abundance in the Array Area and 4 km buffer. Mean monthly values averaged over years, upper and lower 95% confidence intervals generated using bootstrapping.