

## Guidelines for the Operation of Aircraft near Concentrations of Birds

The map shows the location of the main breeding concentrations of penguins and petrels in Palmer Land, Southern Graham Land and Alexander Island.

Low flying and unnecessary landings increase the risk of disturbance to wildlife. Flying birds present a risk to aircraft from bird strike. To minimize the risk to both wildlife and aircraft, follow the guidelines below. They are closely related to the flight instructions above.

Penguin, gull and other bird colonies are not to be followed below 1000 ft (~10 m) above ground level, except when operationally necessary.

Landings within 1/2 nautical mile (~930 m) of penguin, gull/petrel and other bird colonies should be avoided wherever possible.

Never hover or make repeated passes over wildlife concentrations or fly lower than necessary.

Maintain a vertical separation distance of 2000 ft (~610 m) AGL, and a horizontal separation of 1/2 nautical mile (~930 m) from the coastline wherever possible.

Cross coasts at right angles and above 2000 ft (~610 m) AGL where possible.

For further information regarding aircraft operations near concentrations of birds see the COMNAV 10000000 Information Manual: [www.comnav.mil/imagetools/Files/NAV10000000.pdf](http://www.comnav.mil/imagetools/Files/NAV10000000.pdf)

**Warnings:**  
**This map is not an air navigation chart and it is not intended for flight navigation.**  
 Spot heights do not always denote the highest point of the feature. Contours and spot heights are in feet.  
 Contours are derived from a variety of sources of variable accuracy. They should only be used as an indication of topographic relief.  
 Bird colony information is based on limited available data - absence of a bird colony symbol does not indicate absence of birds.  
 For information about airfields refer to the COMNAP Antarctic Flight Information Manual: [www.comnap.ac.uk/miscpages/SitePages/AFIM.aspx](http://www.comnap.ac.uk/miscpages/SitePages/AFIM.aspx)  
 Topographic details from the SCAR Antarctic Digital Database (ADD) Version 7.0 (2010).  
 Antarctic Specially Protected Area (ASPA) and Antarctic Specially Managed Area (ASMA) details from: [www.ats.ac](http://www.ats.ac)  
 Place names selected from UK Gazetteer: [www.antarctica.co.uk/apac](http://www.antarctica.co.uk/apac)

