



# *Atlas of Antarctic Research*

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## Sources

The point, line and area Atlas layers between scales of 1:30 million(scale30) and 1:250,000 (scale0) were obtained from the Scientific Committee on Antarctic Research (SCAR) Antarctic Digital Database (ADD), Version 4.0. Descriptions of the data and a site for acquisition of the SCAR ADD Version 4.0 layers can be found at Antarctic Digital Database of the [British Antarctic Survey](#). For information about the other layers, please check the brief metadata descriptions available by clicking on the layer names in the viewer. If you need further information, contact the [Atlas of Antarctic Research Group](#).

### Projection parameters of the Atlas:

Projection: Polar Stereographic  
Units: meters  
Central Meridian: 0 degrees  
Standard Latitude: 71 degrees South  
Spheroid: GRS80

### Raster Graphic

The raster graphic layer is now complete. It is a set of georeferenced digital raster graphic (DRG) images of the 1:250,000-scale Topographic Reconnaissance Maps series. To generate this database, the printed maps were scanned at 500 dots per inch and resampled to 250 dots per inch for export as georeferenced images in the Tag Image File Format (TIFF) with packed-bits compression. The DRG database was initially georeferenced to its compilation projection, and these files are available for viewing and download from the [Data Download Page](#) through our data download site. For this application the collar information was removed from each maps and it was reprojected to the parameters of the Atlas to permit seamless display of the maps in the Atlas. These files can also be downloaded from the [Data Download Page](#)

### Seymour Island

Seymour Island was mapped at 1:10,000-scale as a reference base map for a variety of research projects on the Island. It was a joint project between the United States and Argentina. The topographic map set (3 sections in the UTM projection) was generated by the United States, while the

aerial photography and logistical support for field work were provided by Argentina, through their base, Marambio, on the northeast lobe of the island.

## DRG's

The DRG's have been produced by USGS as a special mapping project at the Mid-Continent Mapping Center, funded by the National Science Foundation. Files can be viewed and downloaded from the from the [Data Download Page](#)

## Research Stations

The Research Stations (winter-over) layer was generated from at list of winter-over stations south of 60 degrees south in the Scientific Committee on Antarctic Research (SCAR) Bulletin.

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The [Raster Graphic](#) layer is now complete. It is one of the layers for display in the layer list. The DRG's cover most of the Transantarctic Mountains and portions of Marie Byrd Land

[Seymour Island](#) can be located using the Zoom Extent button..

[U.S. Department of the Interior](#)

[U.S. Geological Survey](#)

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