Antarctic
Digital
Database

Version 2.0. The Scale0 dataset released on the internet during XXV SCAR, in July 1998, has proved to be very popular worldwide. Up until the end of March 1999, the site was visited 2832 times, 355 persons from 44 countries registered to use the database, and 2290 map tiles were downloaded. A user questionnaire has shown that the data have been accessed for reasons ranging from simple curiosity to research into GIS. Most requests were for data of a specific area but more general requests for data have arisen from teachers and GIS researchers (including the use of the data to investigate crime statistics in one US city - the data were used to investigate methods of modelling different kinds of spatially distributed information).

ADD Version 2.0, under SCAR copyright, can be accessed via the World Wide Web at the following address:

http://www.nerc-bas.ac.uk/public/magic/add_home.html

Version 3.0. Revision of the database, for release as Version 3.0, began at the British Antarctic Survey (BAS) in January 1999, using SCAR funds awarded to the project for 1999. Those funds allowed the work to continue for three months. During that period the quality of the elevation data for the inland ice sheet has been improved on a tile-by-tile basis, using a DEM derived from ERS-1 data. The DEM was supplied to BAS by the Byrd Polar Research Center, Ohio, USA as part of the RAMP/ADD collaboration.

A further release of funds by SCAR (arising from the sales of the ADD Version 1.0 CD-ROM product) have allowed a further 5-month contract to begin on 2 August 1999. This will allow the remainder of the tiles to be revised using the DEM, and new data supplied by Australia (three tiles) to be incorporated in the Scale0 dataset.

It is anticipated that the seamless Scale0 dataset will be fully revised by early October and that work on generalizing the ADD to 1:1 million scale will be completed by the end of December 1999. This should enable the relevant Antarctic data to be supplied to the Global Mapping Project by the SCAR WG-GGI Secretariat in 2000.

Other generalization products will be generated for release on the internet with the Scale0 dataset at XXVI SCAR, in Tokyo, July 2000. It is proposed that ADD Version 3.0 should include Scale0, Scale1, Scale5, Scale10 and Scale25 products.

J.W. Thomson/July 1999

Scientific Committee on Antarctic Research

Antarctic
Digital
Database

Release date: July 1998

The Antarctic Digital Database (ADD), which provides access to a consistent, seamless digital map of Antarctica, is an essential resource for environmental scientific research.

ADD Version 1.0 was prepared from over 200 map sources, at medium and small scales, which were up-dated using satellite imagery. The database was developed for use with PC ARC/INFO and published on CD-ROM by the Scientific Committee on Antarctic Research (SCAR) in 1993.

ADD Version 2.0 is a new version of the database available as Workstation ARC/INFO coverages. It can be accessed via the World Wide Web at the following address:

http://www.nerc-bas.ac.uk/public/magic/add_home.html

- These data are SCAR copyright.

- They are supplied in ARC/INFO uncompressed export format, compressed and encrypted for download using zip. They can be downloaded from the web site by registered users, who will be given an individual **user-ID** and a **password** to unzip the data.

- There is no charge for registration as a user and the data are available free to research or non-profit organizations. Use of these data for commercial purposes is prohibited without prior authorization from SCAR.

- Each download will consist of all the covers for a single tile, allowing users to obtain the data for their specific area of interest.

- Links are provided to digital versions of the up-dated ADD manual and bibliography.

- The revision of the database has included deletion of the spurious data detected in ADD Version 1.0, and new information has been included for the quadrant between 0° and 90°W.

- Because improvements to the database have been confined geographically to Quadrant 4, no new generalization products have been generated from the database. Those available in ADD Version 1.0 are now out-of-date and they have not been included in ADD Version 2.0. Thus Version 2.0 contains a seamless database only at the scale of data capture.

ADD Version 2.0 prepared by the Mapping and Geographic Information Centre, British Antarctic Survey
on behalf of the SCAR Working Group on Geodesy and Geographic Information