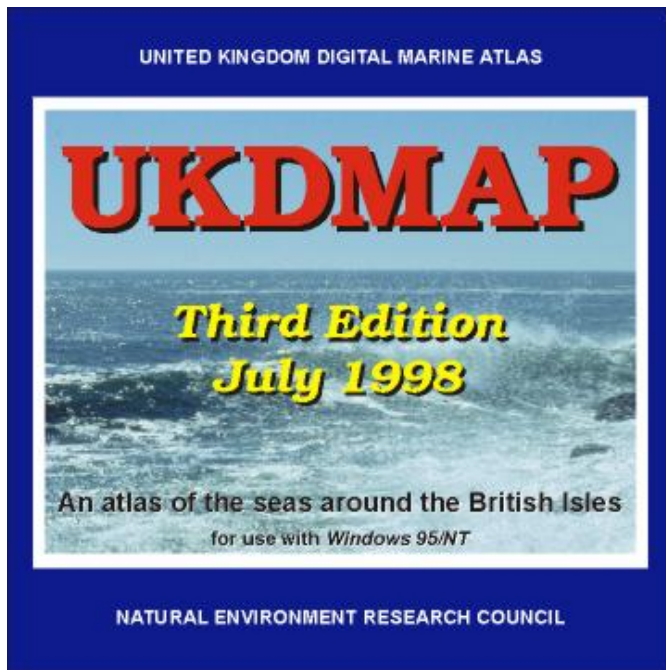


United Kingdom Digital Marine Atlas

(Third edition)

for Windows 95/NT



The Third Edition of the BODC's United Kingdom Digital Marine Atlas (UKDMAP) is now available for purchase. Distributed on CD-ROM for use with *Windows 95/NT*, the Atlas features a completely redesigned user interface, and includes over 1600 thematic charts relating to the seas and coasts around the British Isles.

The Atlas was originally developed, and published in its First and Second Editions, by the British Oceanographic Data Centre (BODC) at the CCMS Proudman Oceanographic Laboratory (POL), Birkenhead, with funding by the Natural Environment Research Council (NERC), the Ministry of Agriculture, Fisheries and Food (MAFF), The Scottish Office Agriculture and Fisheries Department (SOAFD), the Joint Nature Conservation Committee (JNCC) and the National Rivers Authority (NRA). The BODC has subsequently developed and expanded the Atlas into this Third Edition of the UKDMAP for *Windows 95/NT*, funded by NERC and MAFF.

The UKDMAP is intended to be a reference work on the marine environment around the UK which will be of use to the scientific, educational, government and commercial sectors. In addition to the presentation of geographically referenced information in the form of maps, which may be zoomed and/or overlaid upon each other, and individual features queried to obtain detail information, the Atlas presents accompanying textual information which enables the user to contact sources both of additional or source data and of technical expertise in the relevant subject.

Aims of the Atlas

The present Atlas originated from the desire of MAFF to convert its printed *Atlas of the Seas around the British Isles* (HMSO, 1981) to the electronic medium in order both to simplify the process of updating and extending the charts that it contained and to increase the flexibility of

use by permitting such operations as zooming in to an area of interest, and overlaying of charts upon one another for comparative purposes. In 1989, NERC, MAFF, DAFF, NCC and later NRA joined in funding the preparation of the First and Second Editions of the electronic atlas, which was conducted by the British Oceanographic Data Centre at NERC's CCMS Proudman Oceanographic Laboratory. The objective of the project, formally titled the United Kingdom Digital Marine Atlas Project (UKDMAP) was to produce a fully functional digital marine atlas for use on IBM compatible PCs.

The scope of the Atlas has broadened considerably since its first conception. In addition to small scale thematic charts (such as those in the printed MAFF atlas) and the addition of large scale charts of specific regions, it contains a wealth of reference material which will permit the user to identify sources of data, information and expertise on all aspects of the marine environment. To this end, the Atlas includes items such as summaries of geo-referenced catalogues and inventories, and indexes to other recognised chart series.

The Atlas is intended to offer a service both to users and to data suppliers. Datasets appearing in the Atlas represent the endpoint of data collection, collation, processing and presentation carried out by the data supplier. During this process, the data supplier will probably have amassed a substantial database, of which the Atlas data is a summary, and gained (or already had) expertise in the field in question. The informative text that accompanies each Atlas dataset offers data suppliers the opportunity to advertise the existence of such databases, together with any services or technical expertise that they have to offer. In this way, the user may more readily determine the availability of data and/or technical expertise on a given subject, and the data supplier can ensure that more effective use is made of valuable data assets.

System Requirements

Basic system requirement is an IBM compatible PC running the *Windows* operating environment (95 or NT 4.0 or later), with at least 16Mb of RAM, a CD-ROM drive, a standard *Windows* pointing device (mouse, trackball or similar), and at least 2.5MB of free hard disk space on which to install the UKDMAP software. Any processor in the 80x86 or *Pentium* series is suitable, although the use of a fast, *Pentium*-based machine will obviously benefit system performance. Similarly, the faster the CD-ROM drive then the better will be the display speed. The software will use any standard graphics adapter, but has been designed for optimal visual results on displays of 800 by 600 pixels resolution or better with at least 256 colour capability.

For the benefit of users who may wish to use the UKDMAP on an older PC or on a portable which is not running *Windows 95/NT*, the CD-ROM also bears an updated version of the original DOS display software.

Contents

The UKDMAP CD-ROM bears a total of 1650 thematic charts on a wide variety of marine topics, grouped under the following headings:

General Reference	19 charts
Marine Geology and Geomorphology	14 charts
Heritage Information	7 charts
Marine and Coastal Parks, Reserves and Protected Areas	15 charts
Marine and Coastal Nature Conservation in Great Britain	9 charts
JNCC Coastal & Marine Datasets	35 charts
JNCC/ESAS Seabird & Cetacean Distribution Atlas, 1988	889 charts
Sea Birds	51 charts
Sea Mammals	13 charts
Marine Biology	71 charts
Currents, Tides and Surges	21 charts
Winds, Waves and Weather	24 charts
Seawater Temperature, Salinity and Nutrients	207 charts
Physical Properties of the Water	7 charts
Chemical Distributions	47 charts
Exploitation of the Marine Environment	12 charts
Fishing Areas and Fish Spawning Areas	108 charts
Fishery Statistics	76 charts
British Oceanographic Data Centre - Data Catalogues	25 charts

A detailed contents list of the UKDMAP Third edition, colour-coded to indicate which are new to the Third Edition or which are updated versions of charts previously published in the Second Edition UKDMAP, may be viewed [here](#).

Sample Datasets

In addition to the thematic charts and the UKDMAP display software, the CD-ROM also bears samples of a digital ARCS (Admiralty Raster Chart System) chart from the UK Hydrographic Office, a digital geological chart from the British Geological Survey, charts and text from the British Geological Survey atlas of chemical distributions in sea floor sediments of the North Sea and the shelf west of Scotland, and a demonstration version of the *Kingfish* electronic chart display system distributed by Kingfisher Charts.

To obtain a copy of the UKDMAP Third Edition

The UKDMAP Third Edition is available free of charge.

Please contact:

UKDMAP Orders

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