

Introduction



Department of Infrastructure Mapping Service

The Isle of Man's Official National Mapping Service

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cartography.xml](http://www.gov.im/transport/planning/cartography.xml)**

Welcome to the **Isle of Man Survey**, the Isle of Man Government's Official Mapping Service, part of the Department of Infrastructure.

Maps have long been used to help shape our view and understanding of our surroundings, whether as simple diagrams or as part of more complex geographic analysis, and the Island is very proud to support its own mapping service.

The Isle of Man Survey is responsible for, and consequently owns the large scale mapping of the Island and is tasked with developing, licensing and promoting the mapping and other geospatial products.

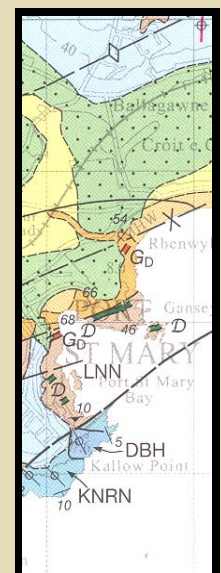
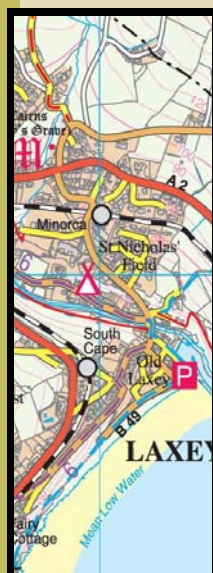
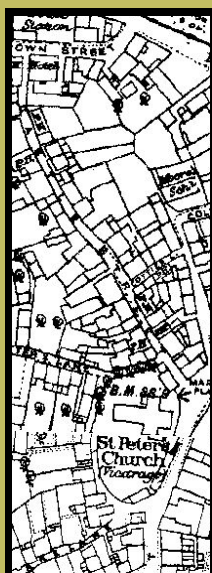
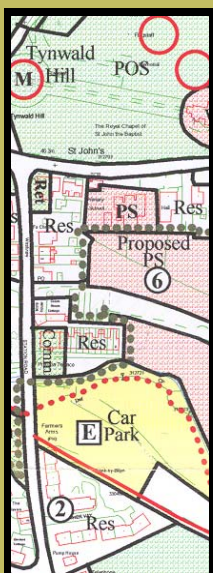
With the addition of LiDAR survey data and the increasing importance of aerial photography and other data there is a growing geomatic service being provided.

Maps and geographic information can be utilised by Government, businesses, other organisations and private individuals for a wide variety of functions, from aiding decision making to planning a walk.

Our mapping is used for network planning by utility organisations, educational purposes, surveys, data analysis and also recreational and sporting activities. It is also used in supporting the planning process with location and site maps and the Isle of Man Land Registry incorporates the mapping into its CLARE system.

We have a small publishing arm which produces leisure and road mapping. The 1:25,000 scale Outdoor Leisure Map is very popular with walkers, motor sport organisations and athletic clubs, and we can also be found online supporting the Island's internet mapping programme at:
<http://www.gov.im/manngis/streetmap/welcome.xml>

**Corporate Members of the Association for Geographic Information
and the British Cartographic Society
Official Ordnance Survey Developer Partner**



Background to mapping on the Isle of Man



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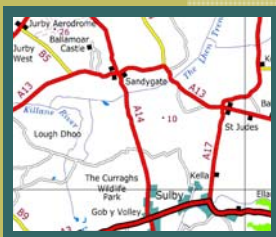
The Isle of Man is situated in the Irish Sea almost equidistant from England and Ireland and about 16 miles from the southernmost tip of Scotland.

The Isle of Man is an internally self-governing dependent territory of the Crown, but is not part of the United Kingdom, although the UK is responsible for its external relations. The Island elects its own bi-cameral Government, which is called Tynwald.

It has a population of just over 80,000 people, measures 32.5 miles (52 kms) long by 13 miles (22 kms) wide and covers an area of 221 square miles (572 sq. kms). An islet known as the Calf of Man, an important nature reserve, lies to the south west and a mountain range stretches from northeast to southwest throughout the Island, the highest point being Snaefell at 2034 feet (621 metres).



1:2,500 scale Ordnance Survey maps of the Island date back to the mid nineteenth century, prior to this there were a number of notable maps of the Isle of Man. For more information about the historic mapping visit the Manx Museum, details at the Manx National Heritage website <http://www.gov.im/mnh/>



Historically, the survey tasks, and the production of the maps, have been carried out by the Ordnance Survey of Great Britain (OSGB), under contracts let by the Department of Infrastructure. For historical reasons, OSGB still produces its 1:50,000 scale Landranger map (paper and digital versions). Copyright for this map rests with OSGB.

During the 1980's a complete re-survey of the Isle of Man was undertaken based on the National Grid referencing system of Great Britain, the scales adopted were 1:1250 for the Douglas/Onchan area and 1:2500 for the remainder of the Island. The re-survey and subsequent production of digital data comprising a total of nearly 800 map tiles was carried out under contract by OSGB. At the same time the Ordnance Survey converted the mapping into digital form so that it could be used on GIS and other electronic mapping systems.



In 1996 the Department of Infrastructure decided that the annual revision requirements of the Isle of Man Survey should be put out to competitive tender. The base mapping of the Island was then designated as **Isle of Man Survey** data.

The current survey contractors are Northern Ireland based mapping specialists Fugro-BKS Ltd.

The Department of Infrastructure operates an annual revision programme based on areas of the island where significant changes have occurred. During the past 5 years the surveyors have revisited every part of the Island at least once.

Several digital map products have now been derived from this base mapping and the full range of mapping and spatial data available is as follows:

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Map products



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Digital and Hard Copy Mapping (*digital formats in italics*)

Large Scale Vector Mapping

- 800 tiles at 1:1,250 or 1:2,500 scale covering the whole Island *DXF/NTF formats*
- 42 tiles at 1:10,000 scale covering the whole Island *DXF/NTF formats*

Small Scale Raster Mapping

- 1:25,000 Outdoor Leisure Map - 4 images covering the whole Island *Raster TIFF format*
- 1:50,000 Basic Topographic Map - 1 tile covering the whole Island *Raster TIFF format*
- 1:100,000 General Island Map - 1 tile covering the whole Island *Raster TIFF format*

Digital Height Data

Contour data

- 32 Tiles at 1:10,000 scale covering the whole Island, plus spot height data *DXF/NTF*

DTM

- 20m derived from 2001 aerial Orthophotography project and updated in 2006 *ASCII text format*

Aerial Orthophotography

- Whole Island Imagery flown in 2001, 2006 and 2009, part coverage for other vintages.
- Imagery available in digital format or as hard copy plots
- Bespoke plots printed on A4 or A3 standard or semi-gloss photo paper at any scale
- A2 to A0 images printed on inkjet glossy paper at scales to suit

Price lists and further information can be found in the various sections of the website, although we are always happy to answer any queries whether by phone, email or in person.

MANNGIS

This is a pan-Government project which is tasked with ensuring a corporate approach to GIS development across all Government Departments, Utilities and other Statutory Boards.

Amongst other things, MANNGIS has been responsible for the development and maintenance of corporate Address, Street and Field Gazetteers for the Island and their derived products.

For more information, visit the MANNGIS website. <http://www.gov.im/manngis/streetmap/welcome.xml>

