

## **States of Guernsey Geographical Information Service (GGIS)** **Digital Mapping Data Sets 2002**

The following list outlines the most widely used layers of the GGIS mapping data.

The Mapping and GIS data supplied by GGIS, through its business partner ( Digimap Limited ) covers all the Bailiwick Islands of Guernsey, Alderney, Sark, Herm Brecqhou, and Jethou.

The mapping data utilises a WGS84 compatible bespoke mapping grid, as the Bailiwick Islands fall outside on the UK's OS National grid. The mapping scale of the main products is 1:1000. The Bailiwick digital maps were created in 1997, when the States of Guernsey appointed BKS Surveys of Northern Ireland to produce the high quality new map. The digital map base is maintained by the GGIS Service team.

Customers sites received data updates every six months; the next update is scheduled for mid October 2002.

Vector data is usually supplied as ESRI shapefiles in seamless Island coverages the base data sets offers 100% polygon coverage of the Bailiwick Islands, including all Land parcels, Roads, and other features such as beaches.

The fully Orthorectified seamless aerial imagery is also for each island for various dates. The current data ortho set available was captured in June 2001 and is supplied with a ground resolution of 15cm, the preferred method of distribution is using ER Mapper's ECW compression format.

GGIS also provide AutoCad format (dwg / dxf) 1km x .5km tiles of the Islands, the next scheduled data release for this is the first quarter of 2003.

In addition to the core mapping data GGIS and Digimap Limited also act as a corporate publishing house for other third party data sets produced by the wide based user community. Data sets available within Guernsey include 1996 and 2001 Census details, planning zones, land classifications, water catchment areas, ecclesiastical boundaries, and many, many more.

Please see the partnerships website, [www.digimap.gg](http://www.digimap.gg), for more details, or contact us on 01481 700321 to discuss your requirements.

## **Standard data sets - Overview**

The following data sets are seamless Island coverages:-

- **Roads**

The roads data set is made up as part of the seamless 100% polygon coverage of each Bailiwick Island. Every polygon segment is attributed unique identifiers, including the official road name and depicts the precise extents of the road.

- **Land Parcels**

The land parcel polygons depict the extents of individual land parcels under contiguous ownership. The data set is fully attributed with unique identifiers, ownership references, full address details and other geometric data. Each land parcel is attributed to indicate the how it is accessed from the public highway.

- **Buildings**

The building polygons, fully attributed and classified by type.

- **Guernsey beach**

Polygon layer detailing the coastline from high to low water. The layer is fully attributed to depict areas of sand, rocks, cliff, and pebbles etc.

- **Parishes**

High Water polygon data set of Parishes.

- **Polygon Water Features**

Polygon layer depicting the Islands water storage reservoirs, ponds and quarries.

- **Water lines (Streams)**

Line data set depicting the alignment of all streams above and below ground level, with appropriate attributes.

- **Road Labels**

These labels are supplied as AutoCad .DWG annotation labels, and give greater flexibility within the Arcview projects.

## Images

The following are a sample of the seamless Raster data sets on currently available.

- **Guernsey 2001**

This fully Orthorectified seamless image dataset of Guernsey was taken in June 2001. and is supplied with a ground resolution of 15cm, the preferred method of distribution is using ER Mapper's ECW compression format.

- **Gsy1979**

1979 OS style map Scanned and warped to align to the GIS digital map.

- **Gsy1933**

1933 OS style map Scanned and warped to align to the GIS digital map.

- **Gsy1787**

Scanned in Duke of Richmond map of 1787, heavily warped to try to fit to existing roads.

- **Guernsey1996 Aerial photographs**

This fully Orthorectified seamless image dataset of Guernsey was taken in March 1996, and is supplied with a ground resolution of 20cm, the preferred method of distribution is using ER Mapper's ECW compression format.

## Supplementary Vector Layers

### **Carto\_Line**

Cartographic line work layer, depicting non polygonal ground features associated with land parcels.

### **Contours**

5m contours for the Islands

### **GGIS sheet Grid**

A grid, which displays the coverage of the Island in, format AutoCad data.

### **High Water**

High water polygon depicting the Islands at Mean High Water Spring Tide level.

### **Low Water**

Low water polygon depicting the Islands at Mean Low Water Spring Tide level.

### **Land\_parcel\_supp\_line**

Supplimentary layer for land parcels. Includes walls and hedges.

Partly updated for this release.

### **Marine\_Line**

Contains pontoons, walls, piers etc. updated as at 1996.

### **Road Centre Lines**

An important layer showing all the road centrelines together with footpaths etc. Every line is broken at every point it meets another line in order to assist with Network routing. Additional data is being added to this data set in response to customer demand. Speed limits, height and weight restrictions, one-way roads etc can all be included.

### **Road\_supp\_lines**

Bollards, footpaths, and associated features – partly updated for this release.

## **Public Vector Data Sets**

Data distributed on behalf of third party clients

### **Census Data**

Comprehensive data from the 1996 Census by enumeration district and the Population by Parish data from the 2001 Census.

### **Agricultural Land**

Land classifications polygon layer appropriately attributed.

### **Antiquities**

The Guernsey Museum have produced this data set detailing much of the Island rich Archaeological history.

### **Cantons**

Parish Cantons, sub divisions of the parish boundaries.

### **Cash Machines**

Locations of all ATMs in Guernsey.

### **Doctors Surgeries**

Locations of all Doctors Surgeries in Guernsey.

### **Ecclesiastical Boundaries**

Polygon layer attributed to depict the Church of England ecclesiastical districts.

### **Habitat Survey**

Digital Habitat Map 1998/2000, a representation of the general disposition of habitat types (both areas and boundaries) across the parishes. Produced by Guernsey Island Development committee and the Board of Administration.

### **Natural Land Survey**

Digital Land Survey map.

### **Post Offices / Boxes**

Locations of all Post / letter boxes in Guernsey.

### **Sites of Nature Conservation Importance**

Produced by the Board of Administration and IDC.

### **SWB Catchments**

Water Catchment areas.

### **Telecoms**

Locations of all Telephone Boxes in Guernsey.

### **Town Traders**

Town traders survey of commercial properties in St Peter Port.

### **GGIS Specialist Data**

A number of specialist data sets are also available at additional cost. These include

- 2.2 million spot heights
- Triangular Irregular networks
- AutoCad Data (.DWG) 1km x .5km tiles\*\* (sample included)