



Mapping and Data Centre

OS Sitemap™

Product guide

Purpose

This product guide provides you with information to help you understand the benefits and features of OS Sitemap.

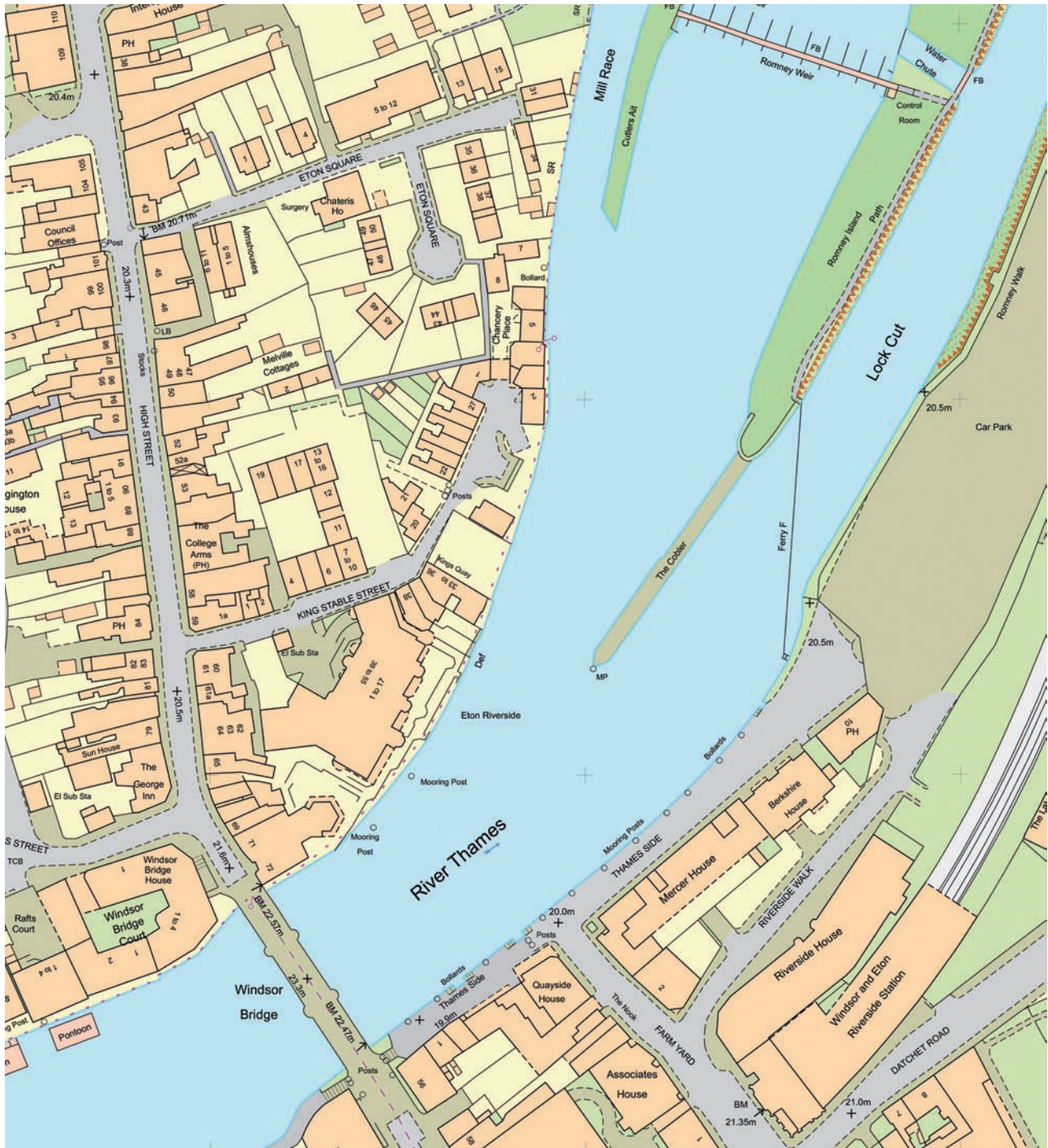
Overview

OS Sitemap™ provides customers with extracts of Ordnance Survey mapping in a number of different formats and to different scales.

OS Sitemap is available in hard copy and electronic media. These are:

- Paper (a printed hard copy)
- Tagged Image File Format (TIFF)
- Data Exchange Format (DXF™)

It is available in a range of output scales to suit individual needs and in a number of different colour combinations.



Example: OS Sitemap, paper and TIFF output

Coverage

OS Sitemap provides a detailed and seamless view of topography of Great Britain, surveyed at one of three basis scales: 1:1250, 1:2500 and 1:10 000.

For pricing information based on the output scale required, please contact one of the many Mapping and Data Centres.

Scale and source

The area you define can be a site-centred pocket of mapping within one National Grid (NG) sheet or across several sheets and source survey scales. The minimum ground area covered for any order is one hectare for DXF data and four hectares for TIFF data and hard copy paper maps. The maximum ground area you can purchase is dependent on the source scale and desired output scale. Area is also limited by the hard copy map size of 820 mm by 2500 mm.

Accuracy

OS Sitemap accuracy is related to the source of survey (1:1250, 1:2500 or 1:10 000). Measured accuracies will vary from quoted accuracies if the printed or display output scale is substantially different to the source scale.

Survey accuracy

Detailed accuracy information is depicted in the table below:

Survey scale	Absolute accuracy compared with the National Grid. Absolute error – Root Mean Square Error (RMSE)	Relative accuracy. Distance between points taken from the map. Relative error
1:1250 (urban)	0.5 metres	+/- 0.5 metres (60 metres)
1:2500 resurvey or reformed (urban and rural)	1.1 metres	+/- 1.0 metres (100 metres)
1:2500 overhaul (urban and rural)	2.7 metres	+/- 1.9 metres (200 metres)
1:10 000 (mountain and moorland)	4.1 metres	+/- 4.0 metres (500 metres)

* Accuracy depends on survey methods used. For more information on accuracy, visit our website at www.ordnancesurvey.co.uk

Note: Certain features, for example man-made slopes and vegetation, are surveyed to lower accuracies.

Quality

OS Sitemap is produced from the latest digital mapping held on the National Geographic Database. Further information is available on our website www.ordnancesurvey.co.uk/oswebsite/aboutus/foi/docs/basicscalerevisionpolicy.pdf

The accepted tolerance of an OS Sitemap hard copy is 0.125% (equivalent to 0.5mm in a Standard sheet plot of 400 mm by 400 mm size).

Availability

OS Sitemap hard copies can be obtained by post or by a personal visit to a Mapping and Data Centre. OS Sitemap in data formats may be ordered via email. A desktop mapping service is available from Mapping and Data Centres to regular users of OS Sitemap.

Standard symbols and depiction (Paper and TIFF output)

Boundary information

County/Region Island boundary	
District/London Borough boundary	
Parish/Community boundary	
Electoral Division/Ward boundary	
Parliamentary Constituency or Euro Const boundary	
Boundary mereing change symbol	
Boundary Post, Boundary Stone (BP, BS)	

Vegetation

Boulder (positioned)	
Boulders	
Boulders (scattered)	
Coniferous tree (positioned)	
Coniferous trees	
Coniferous trees (scattered)	
Coppice or Osiers	
Heath	
Marsh, reeds or Saltmarsh	
Non-coniferous tree (positioned)	
Non-coniferous trees	
Non-coniferous trees (scattered)	
Orchard	
Rock	
Rock (scattered)	
Rough Grassland	
Scree	
Scrub	
Areas of multiple vegetation type	

Other symbols

Air height/spot height	
Bench mark	
Culvert	
Direction of flow (water)	
Point fixture	
Railway switch	
Road related flow	
Site of heritage	
Triangulation point or pillar	
Water point	
Pylon	
Glasshouse	

Line styles

Building	
Building (overhead)	
Edge or Limit	
General detail	
Inland water	
Mean high water (springs)	
Mean low water (springs)	
Narrow gauge railways	
Standard gauge railways	
Top of cliff	
Top of slope	
Bottom of cliff/slope	
Overhead detail	
Steps	
Underground detail	

Polygons

Feature	Colour (RGB)
Man-made surface or Step	210-210-170
Multiple surface (Garden)	255-255-204
Natural surface	210-255-180
Historical interest	220-220-190
Inland/Tidal water	190-255-255
Path	204-204-204
Railway	240-240-240
Road or Track	215-215-215
ULC	255-204-153
Foreshore	160-225-225
Building	255-220-175
Structures	255-215-195
Unclassified/Broken	220-220-190
Low-level vegetation	220-255-190
High-level vegetation	180-244-160
Marsh and so on	160-225-225

Common abbreviations

Boundaries information

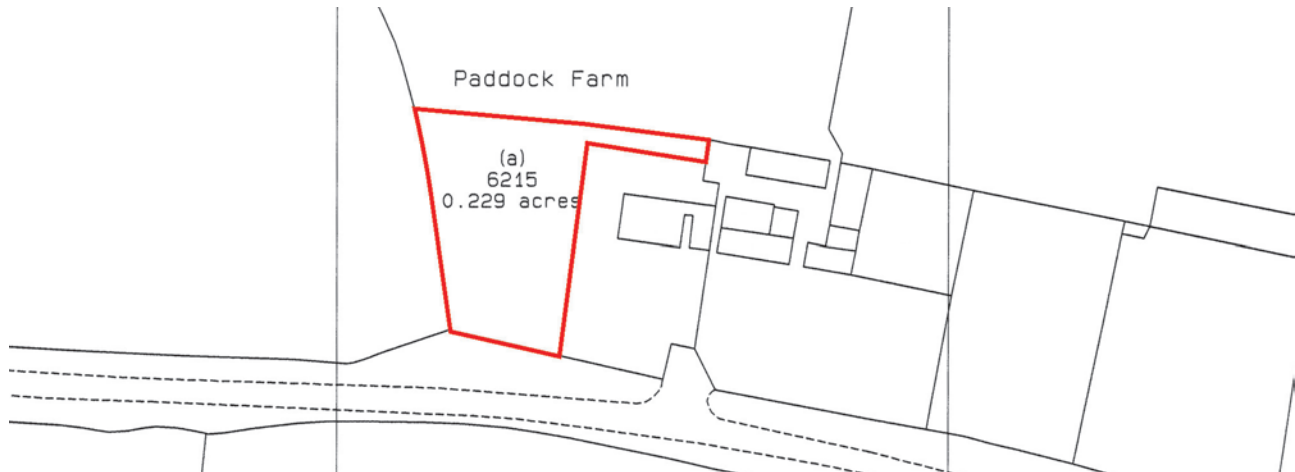
ED Boundary	Electoral Division
Ward Boundary	Ward
Boro Const Bdy	County Borough or European
Euro const Bdy	County Borough or European
Und	Undefined
CB	Centre of bank
CD	Centre of ditch
CR	Centre of road
CS	Centre of stream
Def	Defaced
FF	Face of fence
FW	Face of wall
SR	Side of river
TB	Top of bank
TkH	Track of hedge
RH	Root of hedge

Other information

Chy	Chimney
EI P	Electricity pillar or pole
ETL	Electricity transmission line
FB	Foot bridge
FS	Flagstaff
GP	Guide post
GVC	Gas valve compound
LB	Letter box
Meml	Memorial
MHW	Mean high water
MLW	Mean low water
NTL	Normal tidal limit
P	Post or pole
PC	Public convenience
PH	Public house
PO	Post office
PW	Place of worship
TCB	Telephone call box
Tk	Tank or track
(um)	Unmade
W	Well

Area measurement service (hard copy)

This service is available on customised OS Sitemap hard copy maps only. A reference is given central to each measured land parcel: these can be any size, but must be wholly contained within the map area. Areas measured can include selected fields, larger estates, smaller sites and individual buildings. Up to 99 parcels can be measured on a single hard copy map – parcels may overlap if desired. The measurement procedure does not take into account ground slope or undulation.



Ordnance Survey – OS Sitemap Area Measurement Service

Area Measurement Certificate

The information below refers to area measurement(s) produced for hard copy map number [00000000] made by [AUTHORISED_SUPPLIER] on [DATE].

This printout gives full details for the land areas shown, referenced by an area identifier letter – (a), (b), (c) etc. – in the left hand column of the table below and within the area itself on the OS Sitemap.

The identities, land areas and measurements are unique to this hard copy map and are not published. They will not necessarily correlate with others on any other mapping.

Area Id	National Grid Km Square	Land area number	Land area centre coordinates Easting Northing	Area in hectares	Area in acres	Area in Square metres	Area in Square feet	Perimeter in metres	Description
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The printout accompanies the hard copy map. It shows the serial number, plotting location, notes and plotting date plus full information for each measured parcel:

Please note: the land areas listed above have been measured using Ordnance Survey data current as at the date of this certificate. The measurements therefore accurately reflect the underlying data where they are calculated directly using that data. However, Ordnance Survey neither gives any warranty nor makes any representations that the underlying data are accurate.

Further, neither Ordnance Survey nor Ordnance Survey Mapping and Data Centres gives any warranty or makes any representation that the measurements given are accurate where the customer has defined some or all of the land area limits (that is, limits not surveyed by Ordnance Survey) or the area in question has been measured by means of polygons generated by an operator at the Ordnance Survey Mapping and Data Centres (as opposed to being derived directly from the data themselves).

The land areas show the total area within the perimeter of the identified parcel of land (including ponds, lakes etc) and therefore include any smaller parcels of land enclosed within that land area for which you have requested a separate land area figure. You will therefore need to subtract the figure for the enclosed parcel of land from the total area if you require the land area for the larger parcel of land excluding the enclosed parcel of land.

OS Sitemap – Digital information (DXF, TIFF output)

Data supply formats

OS Sitemap is supplied in:

Data Exchange Format (DXF), conforming to AutoCAD release 12 onwards. This is a proprietary data format owned by Autodesk® by which digital drawings and/or data may be transferred between CAD users. DXF provides a graphic presentation, but the level to which attributes are represented is dependent on the CAD package with which the data is used.

TIFF (Tagged Image File Format) Intel format. A tagged based file format for storing and interchanging raster images.

Media

Supplied via email or on CD-ROM or via email. Please check with your Mapping and Data Centre for further details.

What is needed to use the product?

Software

You will require software that can read drawings in DXF, for example, most CAD packages or TIFF format imaging software.

Hardware

Provided sufficient memory and storage facilities are available there are no specific constraints on hardware that may be used.

Copyright

Crown copyright covers all Ordnance Survey publications, mapping, survey data and digital map data products. Users of these products must obtain the appropriate Ordnance Survey copyright licence to use these products. OS Sitemap includes either an internal business use Single Year Internal Business Use licence for DXF and TIFF formats or a multi-year Plan, Design and Build licence for DXF format. A paper map copy licence is required if a user wishes to make additional copies of a hard copy OS Sitemap. For full details on the OS Sitemap end-user licences, please contact your Mapping and Data Centre.

For further information about OS Sitemap please contact your Mapping and Data Centre or our Customer Service Centre:

www.ordnancesurvey.co.uk

customerservices@ordnancesurvey.co.uk

Business enquiries: +44 (0) 23 8030 5030

General enquiries (calls charged at local rate): +44 (0) 8456 05 05 05

Dedicated Welsh Language HelpLine: 08456 05 05 04

Textphone (deaf and hard of hearing users only please): +44 (0) 23 8079 2906

Customer Service Centre, Ordnance Survey, Romsey Road, SOUTHAMPTON, SO16 4GU.

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