

GREATER**LONDON**AUTHORITY

Data Management and Analysis Group

Ordnance Survey Data - Boundary-Line

DMAG Briefing 2002/10

November 2002

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Introduction

Under the terms of the Service Level Agreement (SLA) signed between the Greater London Authority (GLA) and Ordnance Survey (OS), a number of OS datasets are made available for use by the GLA. The current agreement will run until 31 March 2004.

The participants in this SLA are:

- The core GLA
- The functional bodies of the GLA
- Participants in the Local Authority SLA with responsibilities in London – the 33 London boroughs

Under the terms of the SLA, the participants do not need to purchase mapping in an ad hoc manner but will receive the following services for their geographical area in return for an annual payment direct to Ordnance Survey:

- Provision of the following Ordnance Survey data products:
 - Land-Line[®] (1:1250 & 1:2500 scales)
 - 1:10000 Scale Raster
 - OSCAR Asset Manager[®]
 - OSCAR Traffic Manager[®]
 - Address-Point[®]
 - Boundary-Line[™]
 - Land-Form PROFILE[®] (only available to GLA, Transport for London, and London Development Agency)
 - 1:50000 Scale Raster
 - Meridian 2 (only available to GLA, Transport for London, and London Development Agency)
- Code-Point[®] with polygons
- Internet Street Mapping
- Provision of continuous regular updates for all of the above Ordnance Survey data products
- Copyright licence for use of all Ordnance Survey and Ordnance Survey-based material in both digital and graphic form used in connection with services provided by the SKLA participants
- Advice and support on Ordnance Survey mapping issues

The following table gives further details of these datasets.

Product	Coverage	Description	Tile Size (where applicable)
Land-Line	M25 + Havering and LU extensions	Definitive large-scale dataset surveyed to a high degree of accuracy. Vector data format with full coding for 37 feature types. Most of the London coverage is at a scale of 1:1250, but there are a few area on the outskirts that are at a scale of 1:2500.	500m by 500m (1:1250) 1km by 1km (1:2500)
1:10,000 Colour Raster	SE England	1:10000 scale raster	5km by 5km
Land-Form Profile – Digital Terrain Model (DTM)	M25 + Havering and LU extensions	1:10000 scale digital height dataset consisting of a gridded array of heighted points at 10m intervals, which have been mathematically interpolated from the contours.	5km by 5km
1:50,000 Colour Raster	England	1:50,000 scale raster	20km by 20km

Product	Coverage	Description	Tile Size (where applicable)
ADDRESS-POINT	SE England	Identifies residential, business and public postal addresses. Each address has a unique OS ADDRESS-POINT Reference (OSAPR) and is coded to the National Grid.	1km by 1km
OSCAR Asset Manager	M25	Digital road centreline network, featuring the full public road network, with a selection of private roads included. It is supplied as a vector (link and node) data structure. Attributes associated with features include length in metres, Department of Transport classification, road name and road-over-road intersection information.	5km by 5km
Meridian 2	GB	A vector link and node dataset available as two themed layers - communication and topographic. The communication theme contains roads and railways, while the topological theme contains coastline, Developed land use areas (DLUA), boundaries, settlement names, hydrology, woodlands and gridded heights.	5km by 5km
Boundary Line	GB	A vector dataset produced annually to show the administrative and voting boundaries of Great Britain as at the first week of May.	
Internet Street Mapping	England	Adapted for internet use from the 1:10000 scale raster dataset, it is designed explicitly for use on web sites and corporate Intranet sites.	5km by 5km
Code-Point with polygons	GB	Provides exact geographical locations for postcode units, and is derived by taking the mean of the best available ADDRESS-POINT coordinates. The polygons are produced by tessellation of individual address records from ADDRESS-POINT and selectively clipped to roads, railways, rivers, etc. They are nested within royal Mail postcode sector polygons.	GB

Ordnance Survey products are supplied in a variety of formats, most of which require some form of translation or registration. The latest updates of these datasets have now been supplied by OS, and the translation software has also now been made available to the GI Team within DMAG. This Briefing Note which deals with the Boundary-Line product, is the first in a series which will describe the datasets available following their translation and/or registration.

Boundary-Line

Boundary-Line is a specialised dataset produced annually (it is updated each Autumn) to show the administrative and voting boundaries of Great Britain as at the first week of May of that year.

The boundary files now available are as follows:

File Name	Description	Applicable to London?
District_borough_unitary	Local Government Districts, London Boroughs, Metropolitan Districts, and Unitary Authorities in Great Britain	YES
District_borough_unitary_ward	Wards in Local Government Districts, London Boroughs, Metropolitan Districts, and Unitary Authorities in England and Scotland	YES
European_region	European Region. Coterminous with Government Office Regions, and so Greater London is one region	YES
Greater_london_const	Greater London (Authority) Assembly Constituency	YES
High_water	High Water mark. In London, this constitutes the banks of the Thames and its tidal tributaries such as the Lee, Barking Creek, Deptford Creek etc.	YES
Westminster_const	Westminster Parliamentary Constituencies in Great Britain	YES
County	Counties in England. This file omits Unitary Authorities - often as doughnut holes within counties.	NO
County_electoral_division	Electoral Divisions in Counties in England	NO
Parish	Civil Parishes and Communities, and Non-civil Parishes and Communities	NO
Scotland_and_wales_const	Constituencies for Scottish Parliament and Welsh Assembly.	NO
Scotland_and_wales_region	Electoral Regions for Scottish Parliament and Welsh Assembly.	NO
Unitary_electoral_division	Electoral Divisions in Unitary Authority. Applicable only in the Isle of Wight and Unitary Authorities in Wales.	NO

As these areas have all been digitised to a common standard, they may be merged as separate layers within a MapInfo map window. They are to be found in

K:\ORDNANCE SURVEY\Boundary_Line

where the K: drive is mapped to:

Mapinfo\$ on BPRDATA

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