





GIS and Local Government

Lionel Slade BSc MSc IEng MBCS CITP

Managing Director
Geo-Bureau Ltd, 47 Cowbridge Road,
Pontyclun, Rhondda Cynon Taf,
UK, CF72 9EB

e-mail: lionel.slade@geobureau.co.uk

Tel: +44 (0) 845 603 10 10 Fax: +44 (0) 1443 48 23 29

Contents

- Background
- Ordnance Survey
- Local Government
- Joined-up Government
- Role for GIS
- Pathfinder Projects

Background

- Why GIS in (Local) Government
- 3 broad sets of reasons:
 - Local government is a major user of spatially referenced information
 - Over 70-80% of data has some form of spatial reference
 - Such information is considered a fundamental resource of government; and
 - External pressure
 - Improving government performance has prompted local government to look for more efficient ways of doing their work
 - Modernising Government agenda to have all transactions with government in the UK in electronic format by the year 2005 will have major impacts

Ordnance Survey (1)

- National Mapping Agency for Great Britain
 - Has been in existence since 1791
- Provides a range of products for Local Government
 - Paper maps
 - A range of leisure, motoring and planning maps are produced at different scales. Examples include the 1:50,000 scale Landranger series and the larger 1:25,000 scale maps, which include the Outdoor Leisure Explorer and Pathfinder series.
 - Scale Raster
 - Digital data with familiar map appearance; OS10000 B&W, OS10000 Colour, OS50000, OS125000
 - Landline
 - Large-scale vector maps available on three different scales: 1:1,250 (urban), 1:1,2500 (small towns and villages), 1:10,000 (mountain and moor land areas)
 - Super Plan
 - Large-scale (1:1,250) street-level data
 - Code-Point
 - A precise geographic location for each postcode unit
 - Address Point
 - Locates and spatially defines 27+ million business and domestic address in the UK
 - Boundary Line
 - Ward, Region, Education, Health

Ordnance Survey (2)

- Landform
 - Provides a visual representation of the terrain in Great Britain. Available at scales: 100m; 50m; and 5m
- Strategi
 - A strategic decision-making tool based on a 1:250,000 vector dataset
- BaseData GB
 - A dataset which gives an overview of Great Britain on the 1:625,000 scale
- Meridian
 - A vector based dataset which can be used for regional analysis
- Boundary-Line
 - A vector dataset containing electoral and administrative boundaries
- OSCAR
 - A family of products for customers who use roads and manage assets relating to roads.
 OSCAR gives a centreline representation of UK's highway infrastructure.
- These Datasets provide the framework from which we are better able to make sense of our data
- MasterMap and Digital Network Framework plans to bring many of the Vector Dataset into one single Layered product.

Local Government

- There are 484 local authorities in Great Britain
- Local Authorities carry-out decisions made by central government
- Essentially the operational arm of central government
- Move to Corporate planning and maintenance of GIS
 - Gill 1994 'the process of preparing, implementing and monitoring the corporate plan which should consider every SBU (strategic business unit) within the organisation and a mission statement, corporate aims, service delivery framework and principal targets'
 - Information is an important a resource in local government as staff, revenue and capital, which is often undervalued
- Modernising Government Agenda
 - Chorley (1984) created the framework for GI and digital mapping for the UK
 - E-government agenda driving forward public access to Local Government services
 - Joined-up Government (inter-system-inter-agency-inter-departmental-communication)

Government Charter on Geographic Information (1997)

- Aim to promote the effective use of information held by departments and agencies as part of the Citizen's Charter Initiative (comprises 10 statements)
- Encourages agencies and departments to:
 - Consult users when preparing specifications or drafting legislation for the collection of data
 - Provide information about what data is available
 - Provide clear statements on the price of data
 - Make data available, unless there are specific reasons for not doing so - these reasons should then be explained

Drivers for use of GIS in UK – 1990s/2000s

- Much under the banner of <u>Modernising</u>
 <u>Government</u> agenda
- Emphasis is on joined up government > joined up services
- Realisation that we need <u>Joined-Up</u>
 <u>Geography</u> before we can realise <u>Joined-Up</u>
 <u>Up Government</u>
- Variety of Projects Illustrate the Potential of Joined Up Geography

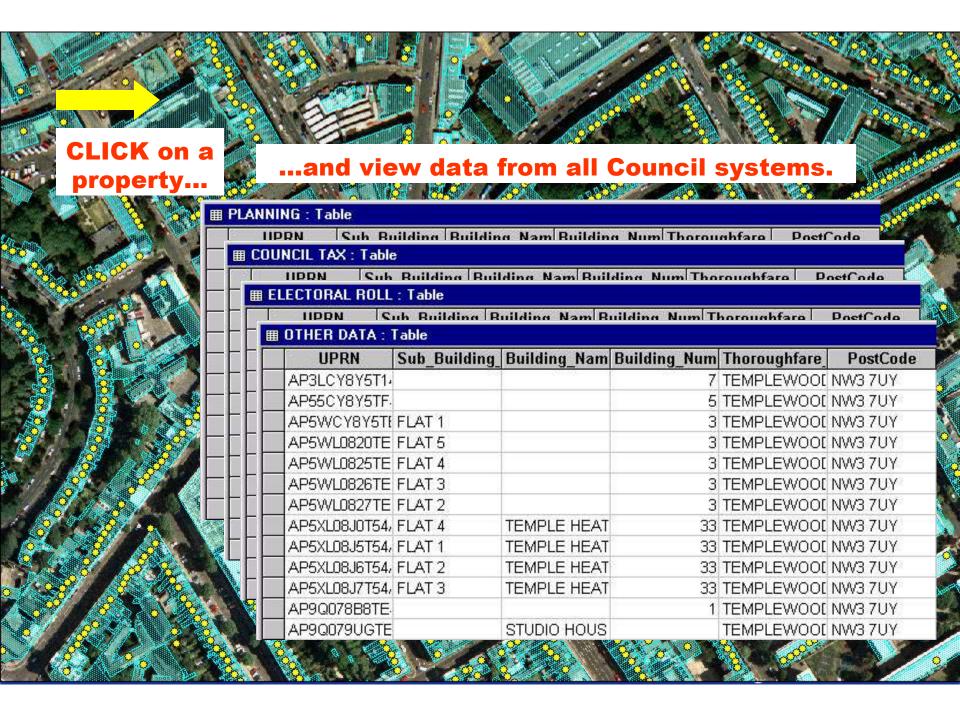
Joined-up Government

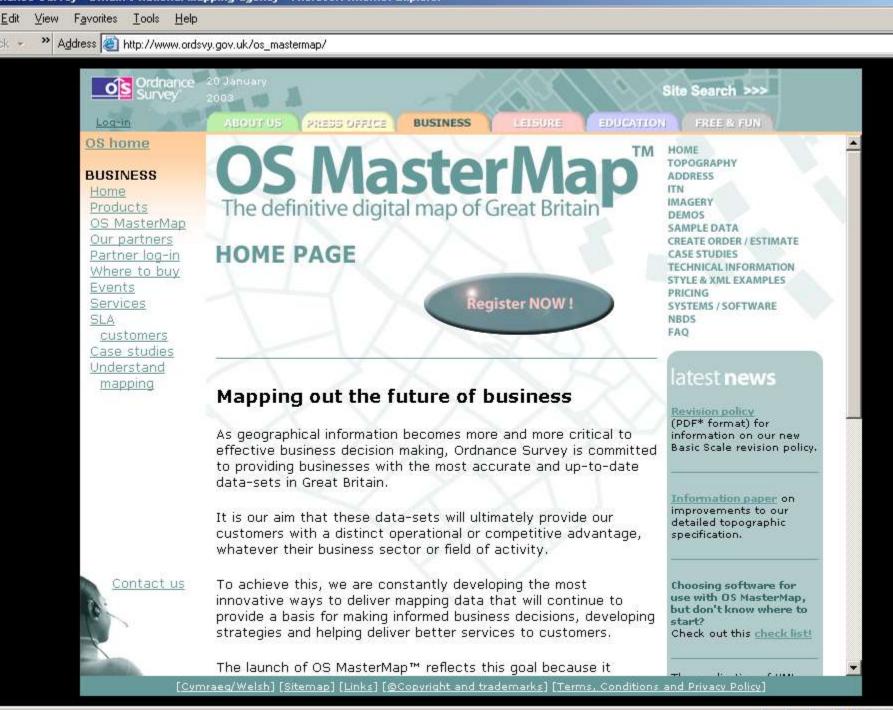
Goal

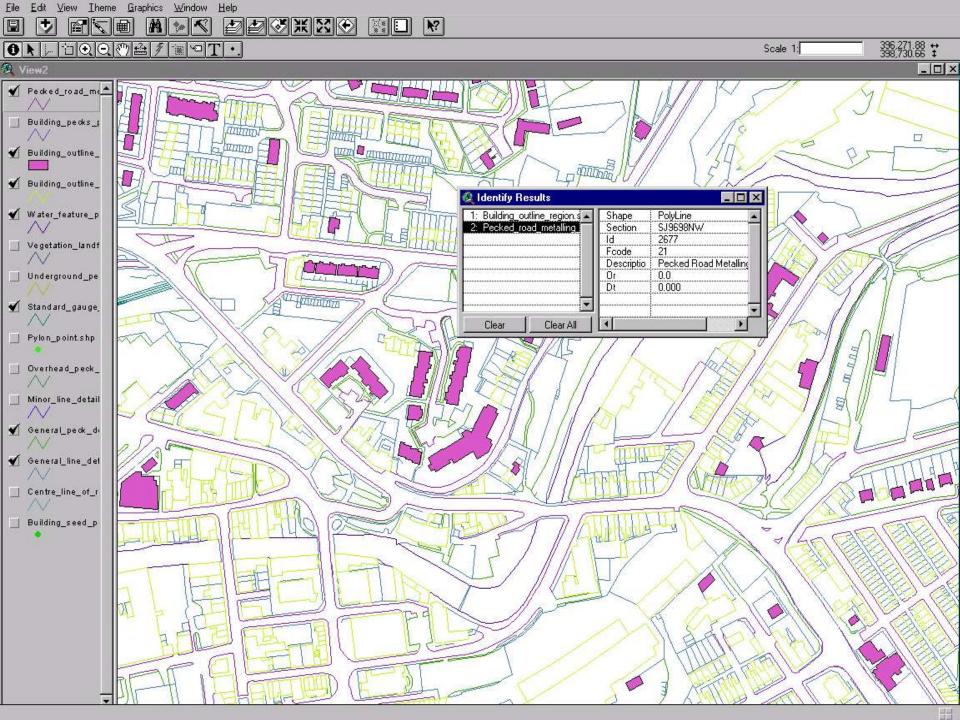
Easily integrated GIS to enable new cross-business applications

National Initiatives

- National Initiative look to rationalise exiting dataset, currently used solely as regional data to formulate and implement a national standard and strategy
 - NLIS (National Land Information System)
 - NLPG (National Land and Property Gazetteer
 - NLUD (National Land Use Database)
 - BS7666 (Address, Highway, Public rights of way)







Examples of Different Standards

Table 5.2	Current geogra	aphical info	rmation	standards
1 44 44 144 44 144	Controlle Bookie	ариносы инго	OF THE POSITION OF THE	aramaan ua

BS-7666 Spatial data sets for geographic referencing

CEN TC 287 European norms for geographic information

DIGEST Digital Geographic Information Exchange Standards

GDF Geographic data file

GeoTIFF Geographic tag image file format

ISO 6709 Standard representation of latitude, longitude and altitude

ISO 8211 Specification for a data descriptive file for information interchange

ISO 15046 Geographic information

NEN 1878 Netherlands transfer standard for geographic information

NTF Neutral transfer format

OGIS Open geodata interoperability specification

RINEX Receiver independent exchange format

SDTS Spatial data transfer standard

Source: adapted from Harding and Wilkinson, 1997.

Since Chorley: Expansion of GIS in academia

- Increasing demand for GIS courses in the late 1980s and early 1990s
- Now U/G and MSc GIS courses around UK
- On-line teaching materials such as the National Centre for Geographical Information and Analysis (NCGIA) Core Curriculum http://www.ncgia.ucsb.edu/giscc/
- Geographers Craft http://www.colorado.edu/geography/gcraft/conten

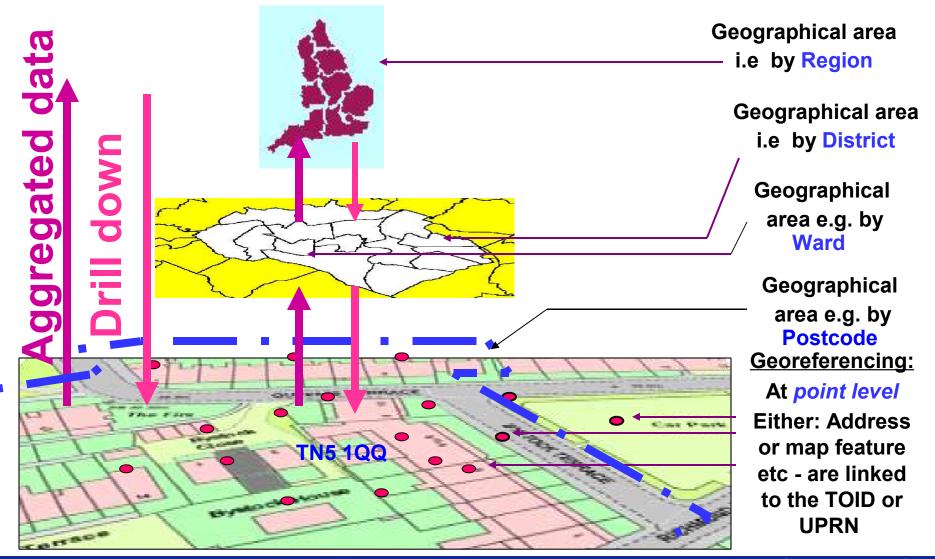
Modernising Government

- Promotes ideas of joined up government and electronic service delivery and ideas of best value
- April 2000: Government published the Information Age Strategy e-government – a strategic framework for public services in the Information Age and Implementing e-government – Guidelines for local government
- Setting targets so that 100% of dealings with government should be capable of electronic delivery by 2005 http://
 - www.lga.gov.uk/lga/modernising/lgabriefing.htm

Role for GIS?

- Promotes the ideas of joined up service delivery and the role of the Internet
- Commissioned a study to consider the concept of single gateways to government held information – much of which spatially referenced
- Example: change of address idea that single notification when people move home
- In their Implementing Electronic Government Statements, most local authorities have highlighted the importance of corporate GIS set-ups to address joined up service delivery
- How to link data across diff. depts/agencies?

Joining up data at all levels



Pathfinder Projects

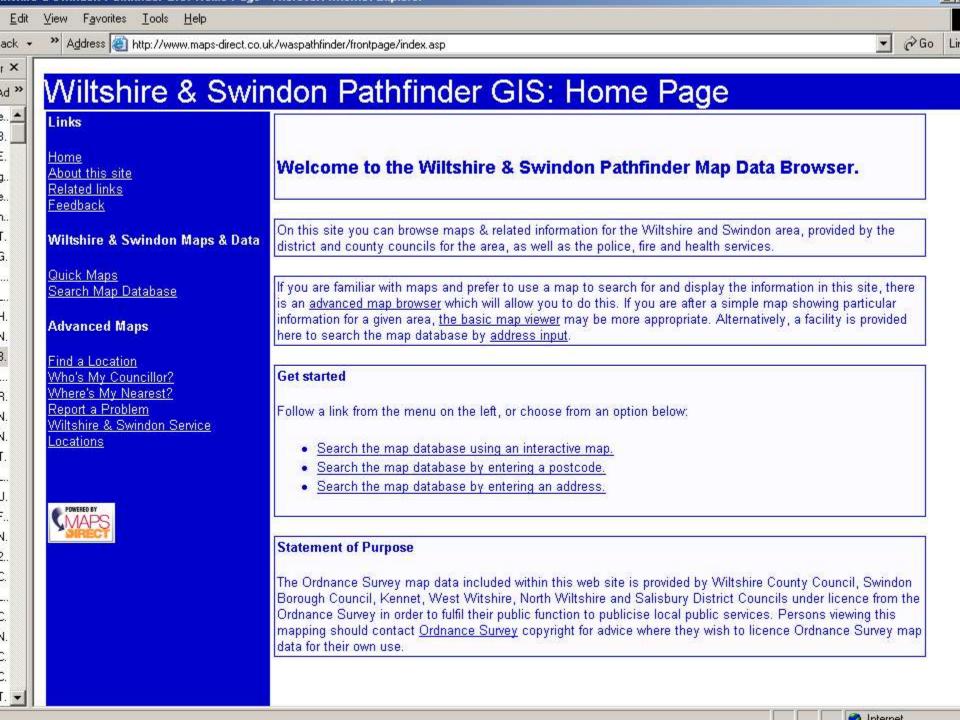
- 2001: Introduced Pathfinder Projects to encourage LAs to work together in partnership
- Idea to facilitate "joining-up" of government and encourage cross border/access projects
- Ran from June 2001 June 2002; 25 projects involving 100+ organisations
- Aimed to create demonstrators that might be developed into products for adoption within other authorities
- Many partnership projects included GIS or development of web-sites with interactive map-based content

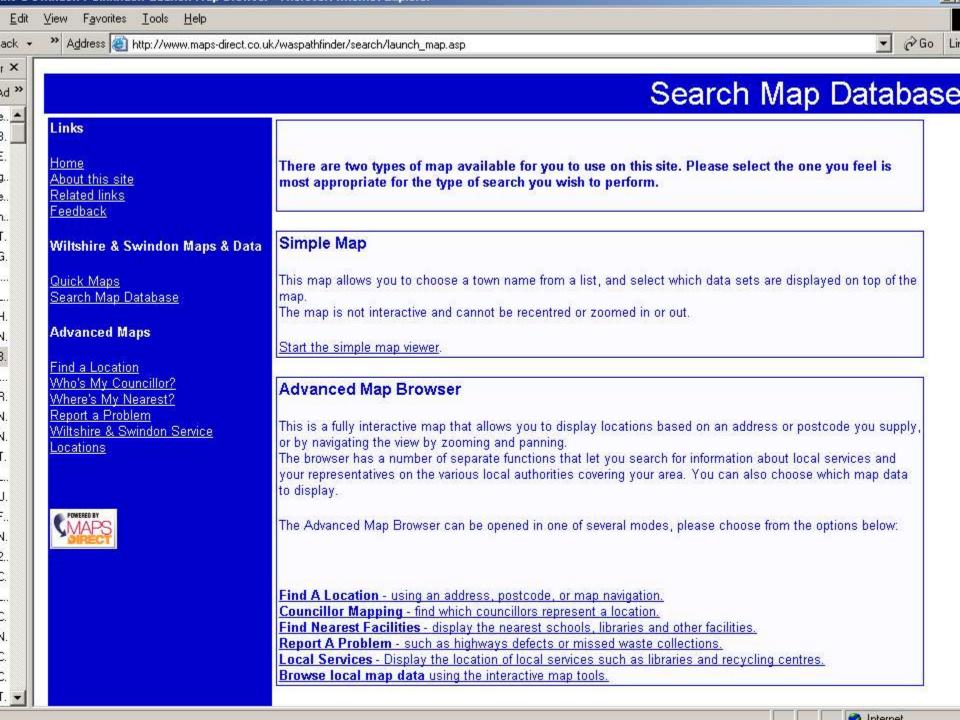
Examples of Pathfinder Projects

 Wiltshire and Swindon Pathfinder GIS: a multi-agency regional GI portal

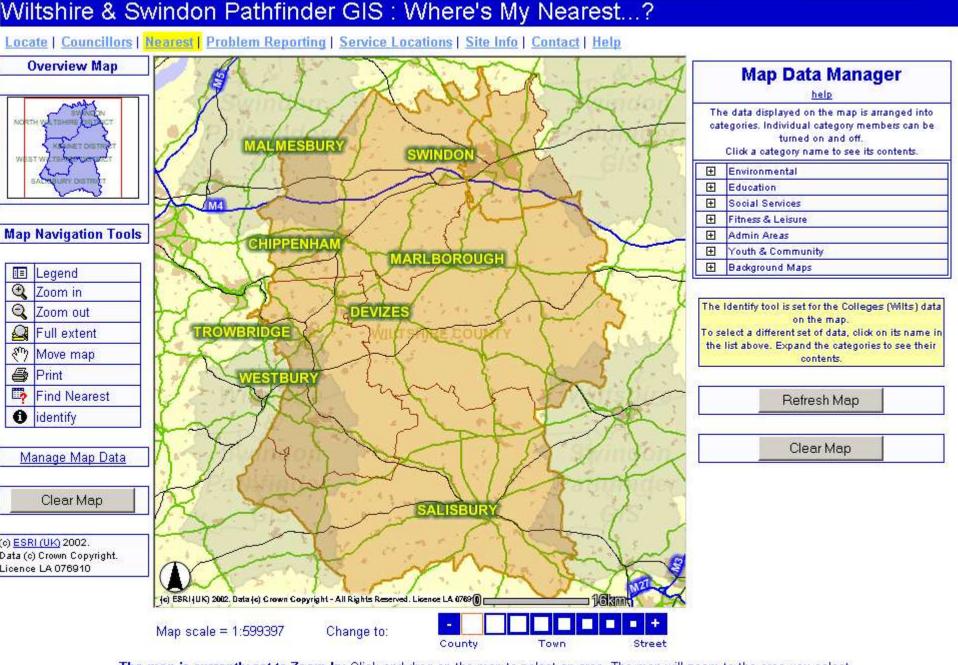
http://www.wiltshire.gov.uk/environment

- Surrey Alert a sustainable hub for collection and dissemination of emergency and major incident information
- London Borough of Brent a one-stop shop integrating GIS and Customer Relationship Management
- Somerset Online a portal incorporating interactive digital TV
- London Borough of Wandsworth system online planning information





Wiltshire & Swindon Pathfinder 615 - Microsoft Internet Explorer



The map is currently set to Zoom In: Click and drag on the map to select an area. The map will zoom to the area you select.

Wiltshire & Swindon Pathfinder 615 - Microsoft Internet Explorer

Wiltshire & Swindon Pathfinder GIS: Where's My Nearest...?

Locate | Councillors | Nearest | Problem Reporting | Service Locations | Site Info | Contact | Help Overview Map Map Data Manager help The data displayed on the map is arranged into categories, Individual category members can be turned on and off. Click a category name to see its contents. ⊕ Environmental ■ Education Colleges (Wilts) Penhill Primary School St Luke's School Surrounding LEAs Map Navigation Tools Haydon Wick Residential Centres (WCC) Uplands School Seven Fields Primary School Legend Independent Schools Beechcroft Infant School Zoom in *Stratton Education Centre Educational Residential Centres (Wilts) Zoom out The Headlands School Schools (Swindon) Full extent Recycling Sites (Swindon) Move map Crowdys Hill School Schools (wilts) Print Pinehurst Infant School Hreod Parkway School Pinehurst Infant School Moredon Junior School Hreod Parkway School # Social Services Find Nearest # Fitness & Leisure Admin Areas Moredon Infants School identify H Youth & Community St Mary's Catholic Primary School H Background Maps Ferndale Junior School Manage Map Data Ferndale Infant School Brook Field Primary School The Identify tool is set for the Colleges (Wilts) data on the map. Clear Map To select a different set of data, click on its name in Even Swindon Junior School Even Swindon Infant School the list above. Expand the categories to see their contents. Swindon (e) ESRI (UK) 2002. The Chalet School Data (c) Crown Copyright. Licence LA 076910 Drove Primary School Refresh Map Vestlea Primary School (c) ESRI (UK) 2002. Data (c) Crown Copyright - All Rights Reserved. Licence LA 0769(0) Clear Map Map scale = 1:38204 Change to: County Town

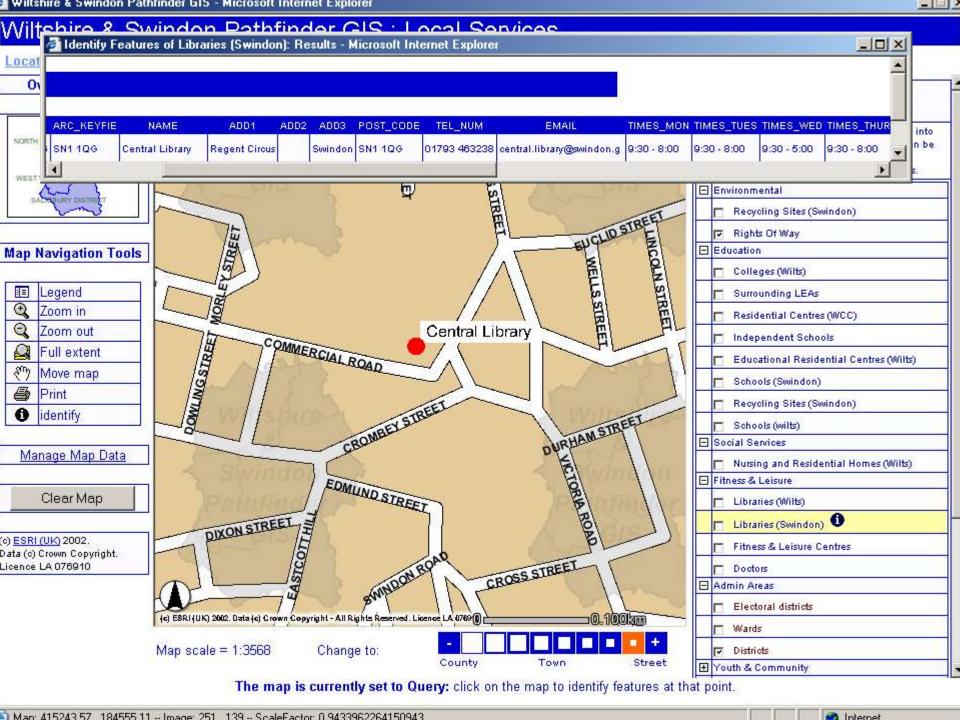
The map is currently set to Zoom In: Click and drag on the map to select an area. The map will zoom to the area you select.

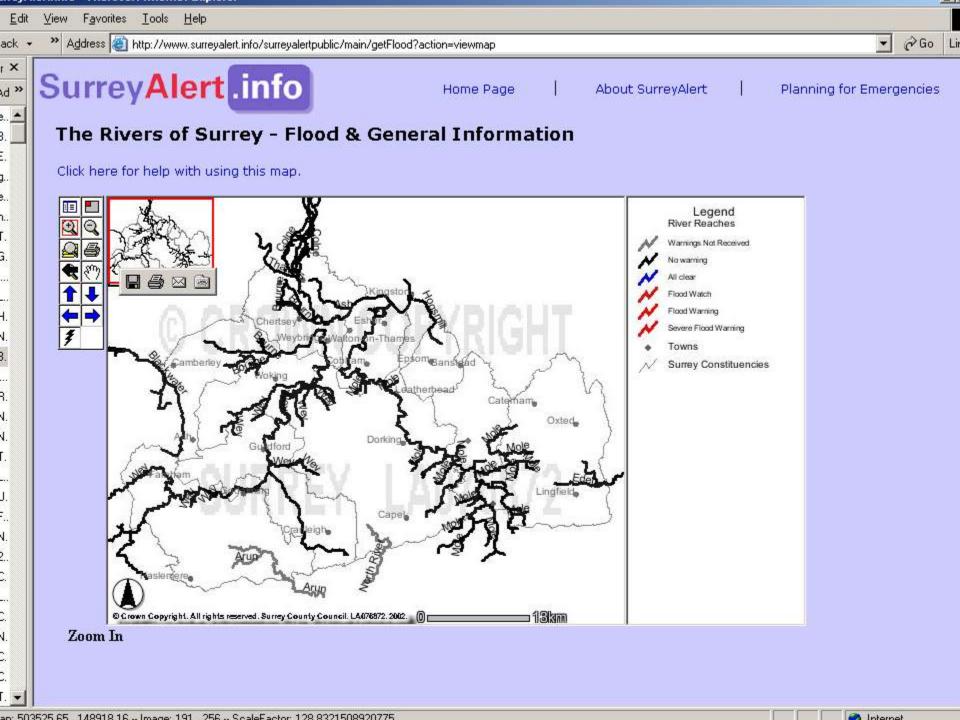
Wiltshire & Swindon Pathfinder 615 - Microsoft Internet Explorer

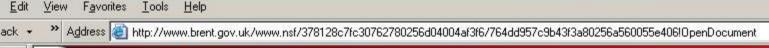
Wiltshire & Swindon Pathfinder GIS: Where's My Nearest...?

Locate | Councillors | Nearest | Problem Reporting | Service Locations | Site Info | Contact | Help Overview Map **Find Nearest Facility** Step One Choose a type of facility to search for, and the maximum distance to search. Doctors Penhill Primary School St Luke's School
Uplands School Seven Fields Primary School **Map Navigation Tools** Haydon Wick Maximum search distance: 0.5 kilometers. Legend Beechcroft Infant School Zoom in *Stratton Education Centre Zoom out **Building Name** The Headlands School Full extent Move map Crowdys Hill School **Building Number** Hreod Parkway School Pinehurst Infant School Moredon Junior School Print Pinehurst Infant School Find Nearest identify Moredon Infants School Road Name St Mary's Catholic Primary School Ferndale Junior School Manage Map Data Ferndale Infant School Brook Field Primary School Town Name Clear Map Even Swindon Junior School Even Swindon Infant School Swindon (c) ESRI (UK) 2002. Post Code The Chalet School Data (c) Crown Copyright. Licence LA 076910 Drove Primary School Vestlea Primary School (c) ESRI(UK) 2002. Data (c) Grown Copyright - All Rights Reserved. Licence LA 0769(0) Clear Search Map scale = 1:38204 Change to: County Town

The map is currently set to Zoom In: Click and drag on the map to select an area. The map will zoom to the area you select.















×

'd »

3

4.

Monday 26 January 2004 Speech-enabled website

Home Search

Contact Us

Business Guidance

Links Community FAQs/Help Sitemap

蔹

Street maps & Property Menu

Find your nearest ...



Our sophisticated mapping service allows you to view a map of any location in the borough and find details of local services and places of interest.

Email Alert



Get information regularly emailed to you on a range of topics, from jobs, to planning applications, to crimes in your area.

Property Lookup



Property by property information for the whole of Brent! Find your Council Tax Band, who your local councillor is, when your refuse will be collected and much more!

Getting around in Brent

Journey Planner

How to get anywhere in the UK with Public Transport Rail and Underground stations in Brent

Travel directions to Council offices

Commercial Lettings and Sales



Visit us for help and advice on setting up a business, renting a commercial property, general property advice or relocating to Brent

Maps

Map of Brent and its wards

Map of Brent Libraries

Map of Brent One Stop Shops Maps of Council offices

Map of all London boroughs

Moving home in Brent



Looking? Find somewhere to live. Moving? Get to know your new area, learn about local council (council tax, libraries etc) and community (doctors dentists etc) services

External Mapping links

Brent National Mapping System

Access multimap through Brent Council's website for interactive maps of anywhere in the UK!

Royal Mail Address Finder

Royal Mail Postcode finder Just moved? Find your new address or postcode on the Royal Mail

website UpMvStreet.com

Enter a postcode or town anywhere in the UK and get info on local weather, transport, and local services

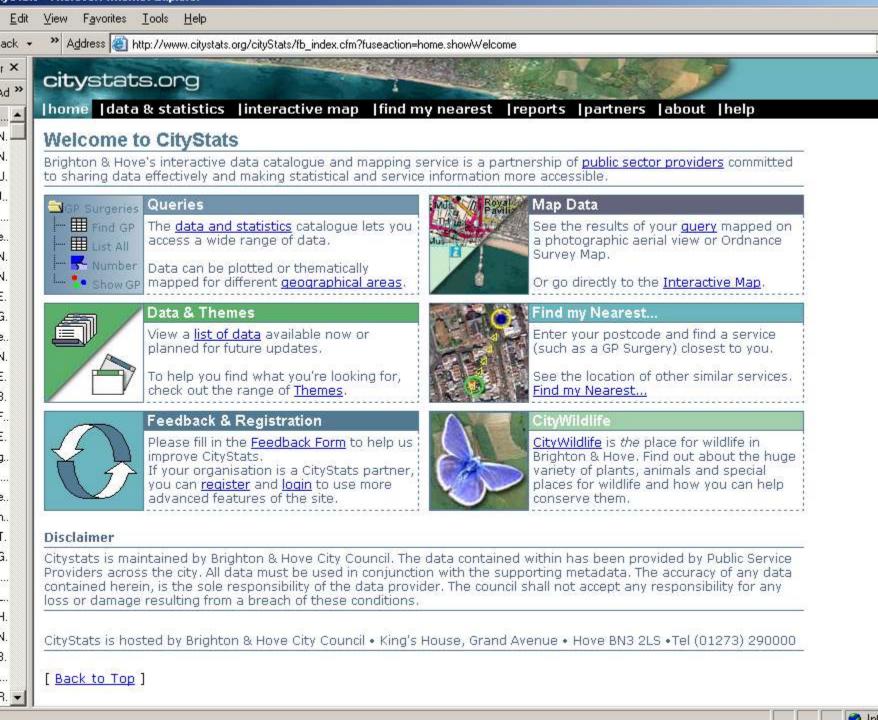
Let Your Property through Brent Council



Brent Council is always in need of private landlords willing to rent their properties to tenants in receipt of housing benefit. The rent will be assessed by the rent officer and management undertaken for free.

Brighton and Hove

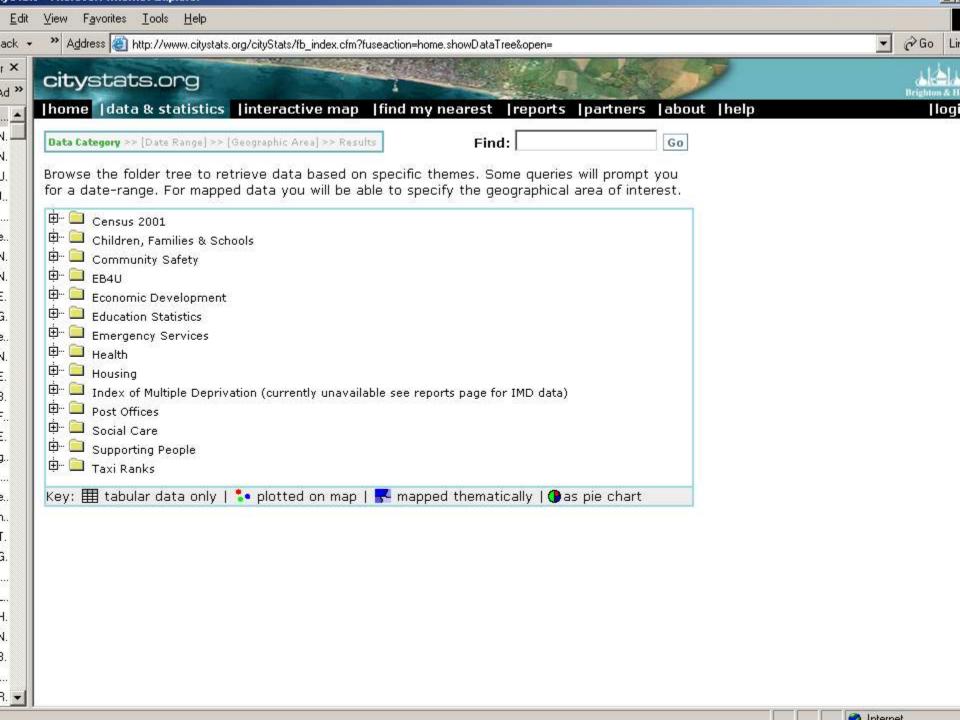
- Interactive data catalogue and mapping service
- Designed to improve access to statistical and service information across the city
- Wide range of small area data not available via the Governments NeSS
- Able to search for data by geographic areas, e.g. wards, New Deal areas, housing support areas, etc.
- Uses web-enabled GIS technology based on data sharing partnerships with all major public services in the city
- Now being extended to voluntary sector

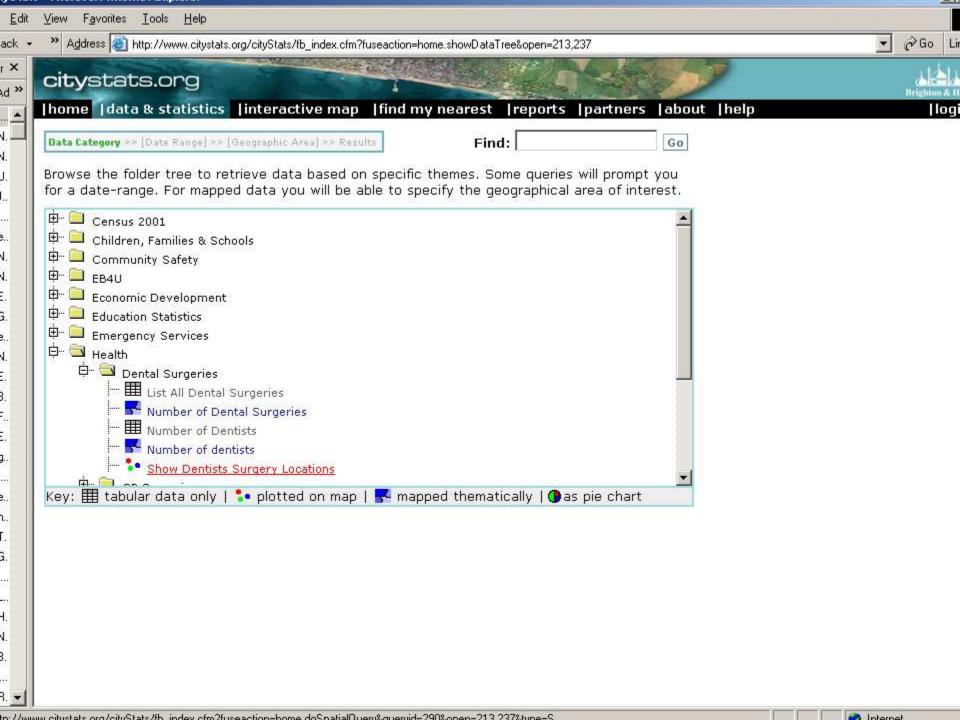


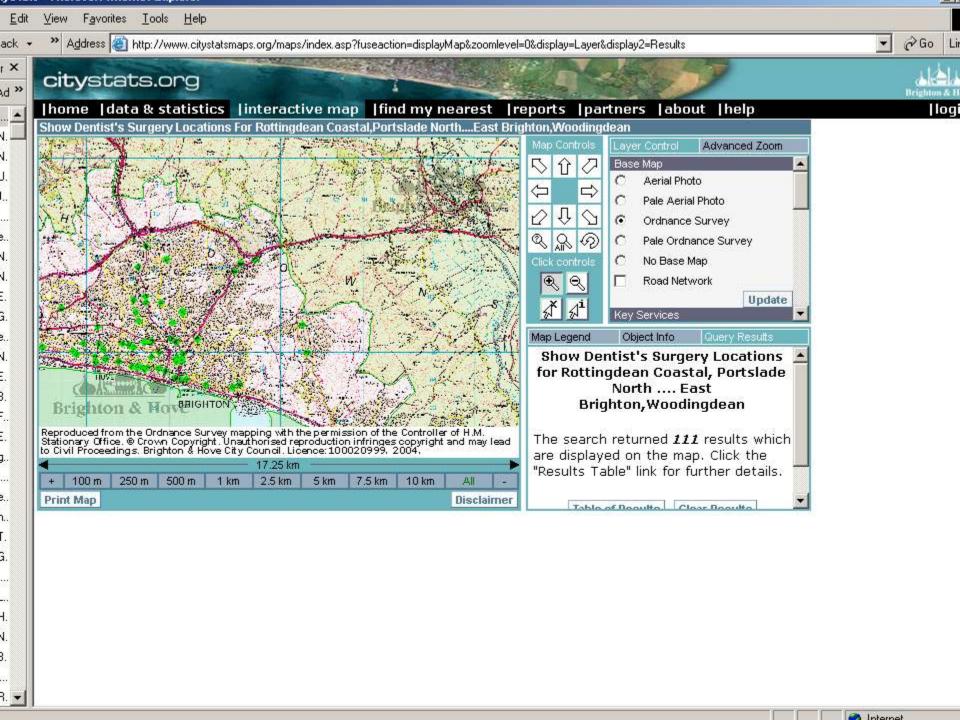
A Internet

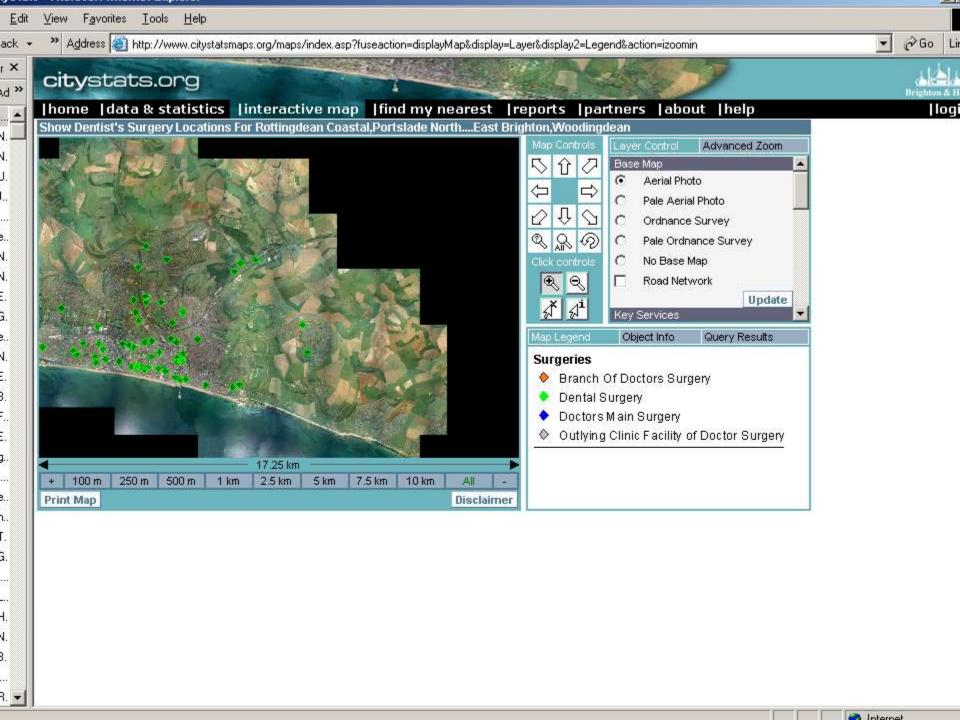
€ Go Lin

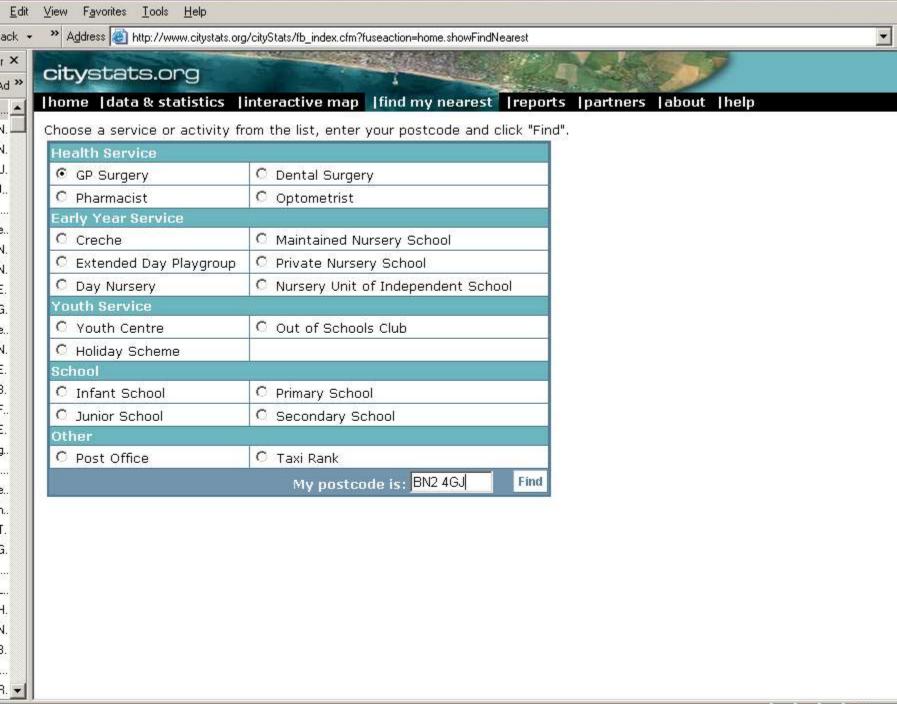
Hogi





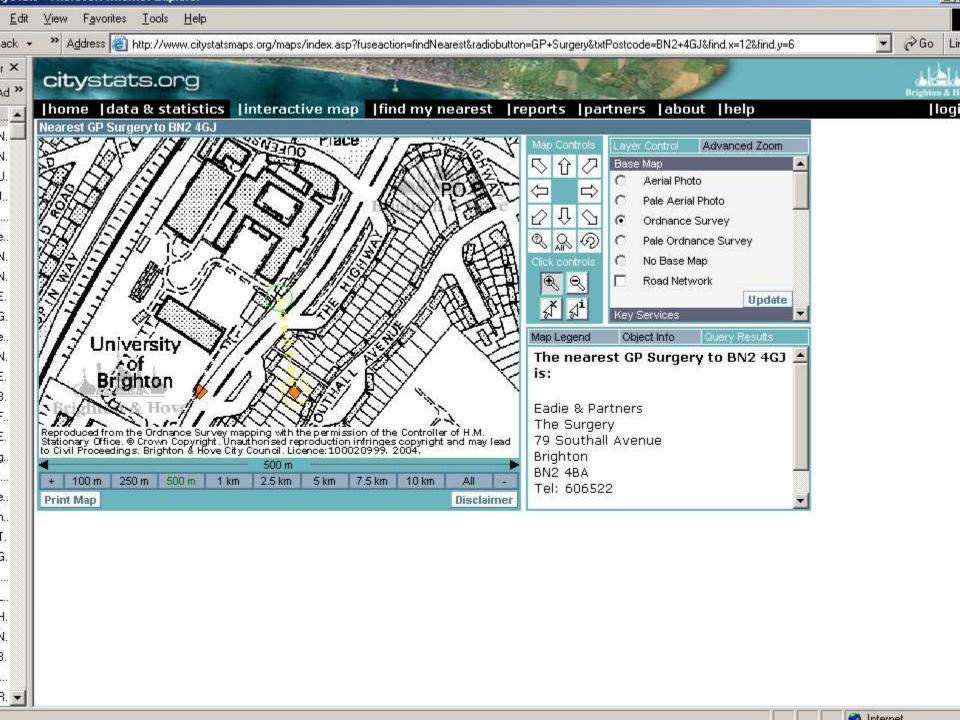


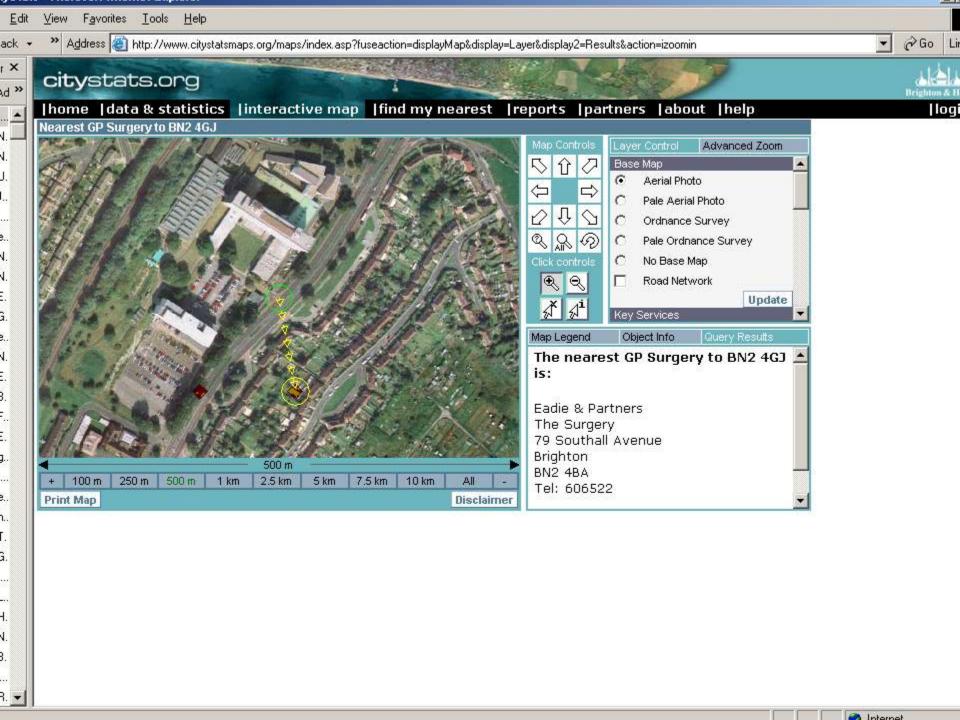




€ Go Li

|logi





Use of Geographic Information in Neighbourhood Renewal

- Important to have information to support moves to address social exclusion in most deprived areas
- GIS used to target funds for these areas
- Many of these data sets will originate from different agencies
- Data will be in different formats, different geographies, etc
- Can we identify a suitable scale at which to begin to join data to tackle a wider range of issues
- Looked into using the property the most disaggregate unit as the building block



Lived Keighbourhussi Beneval Artungson Decrement Analysis and Review Enil Report May 2004

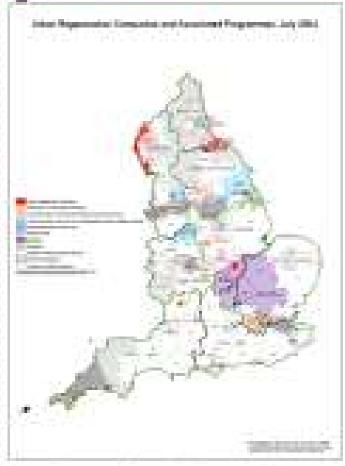
of California State State of Contract of



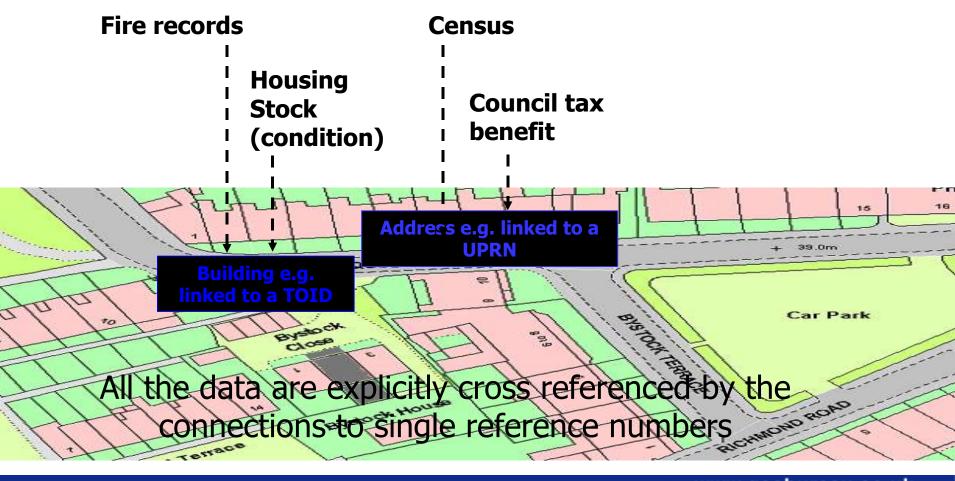


local and regional government - housing - planning - fire - regeneration - social exclusion - resignition/bood renewal

Neighbourhood Renewal

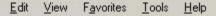


Joining up data by common location reference (e.g TOID or UPRN)



Use of GIS in Joined-up Government

- GI has been suggested as a component of the National Strategy for Neighbourhood Renewal
- Social Exclusion Unit http://www.socialexclusionunit.gov.uk/
- See Policy Action report 18 Better Information draws attention to the importance of geog. info
- Led to <u>Neighbourhood Statistics Service</u> –
 provides social and economic aggregate data for
 consistent small area geographies
- Aims to inform decision making at local and national policy levels on wide range of data – economic, health, social issues



Address (a) http://www.neighbourhood.statistics.gov.uk/home.asp



National Statistics Online
 About NS
 Boundary Commission for England

Home •About Neighbourhood Statistics •Help •Data Catalogue •Glossary •Contact Us Search •FAQ •Links • Live/GIS Maps • Tables • What's New • Register • Browser Requirements



Welcome to the Neighbourhood Statistics Service.

As well as the local statistics available within Neighbourhood Statistics, you may also be interested in the first results from the 2001 Census

About NeSS	How to use this site				
Data Catalogue	Glossary				
M Search	FAQ				
Links	Contact Us				
Options:	Search by:				
Full Geographic Searching (England and Wales)	 Postcode go 				
Reduced Geographic Searching (UK)					
or					
go Straight to					

Statistical Reports

Neighbourhood Statistics Service

- http://www.neighbourhood.statistics.gov.uk/home
- Uses GIS to:
 - recognise in which ward a property or street falls;
 - find areas of interest by place name;
 - select areas and generate tables cutting across national and local authority boundaries;
 - select datasets more easily; and
 - arrange table dimensions flexibly in the way that best suits your needs
- Plan to add outputs from the 2001 Census

neighbourhood statistics

STATISTICS

WALES > Rhondda, Cynon, Taff > Treforest

E S

Pan

蚊

Identify

Q

Quick Statistics



Zoom In



Zoom Out



Select Without Highlight



Select With Highlight



Clear Selection

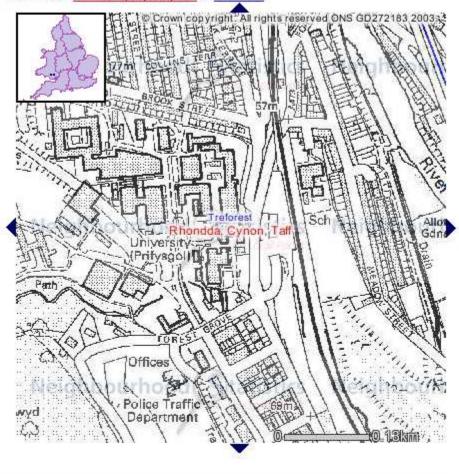


Print Map



Help

Active Tool : Zoom In



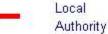
Selectable Area

C District 1998

Ward 1998

Key

Region



- Ward

Search by:

Postcode

C Town or City

C Ward Name

C Local Authority

go

Local Authorities selected (Click the name to remove from selection)		(Click the	Wards selected (Click the name to remove from selection)		
			1		

Get statistics for selected areas



Home • About Neighbourhood Statistics • Help • Data Catalogue • Glossary • Contact Us Search • FAQ • Links • Live/GIS Maps • Tables • What's New • Register • Browser Requirements neighbourhood statistics

WALES > Rhondda, Cynon, Taff

P

Pan



Identify



Quick Statistics



Zoom In



Zoom Out



Select Without Highlight



Select With Highlight



Clear Selection

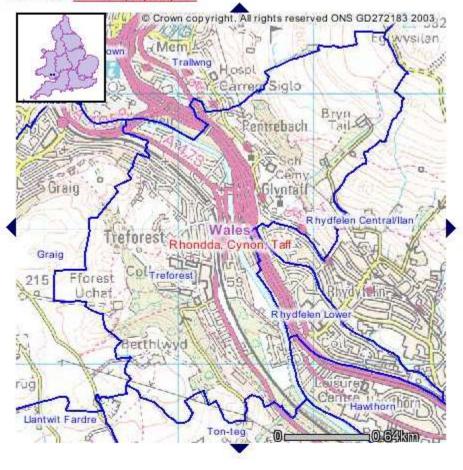


Print Map



Help





Selectable Area

C District 1998

Ward 1998

Key

Region



- Ward

Search by:

Postcode

C Town or City

C Ward Name

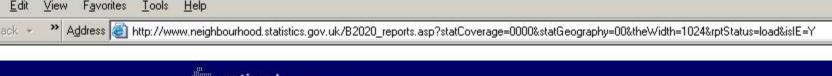
C Local Authority

go

Region	District (Click the name to zoom to the area)	Ward (Click the name to zoom to the area)	Add to Selection	
VVales	Rhondda, Cynon, Taff	Treforest	go	

Get statistics for selected areas







Home • About Neighbourhood Statistics • Help • Data Catalogue • Glossary • Contact Us Search • FAQ • Links • Live/GIS Maps • Tables • What's New • Register • Browser Requirements

Statistical Reports

When a report does not contain any data for your selected areas the name is displayed in grey text

Expand All Collapse All

Crime

Economic Deprivation

Education, Skills and Training

Health

Housing

Work

Indices of Deprivation

Population and Vital Statistics

Other

X-Cutting

This page last revised: Friday, 6th September 2002

All Data & Quick Statistics

MyReports



€ Go

Address http://www.neighbourhood.statistics.gov.uk/catalogue.asp





Data Catalogue

Domain	Dataset	Data Source	Coverage	Geography	Information and Downloads
Crime	Notifiable offences recorded by the police	Home Office	England Wales	Local Authority	Click here
Economic Deprivation	Family Credit claimants	Department for Work and Pensions Information Centre Analytical Services Division	England Wales Scotland	Local Authority Ward	Click here
	Income Support claimants	Department for Work and Pensions Information Centre Analytical Services Division	England Wales Scotland	Local Authority Ward	Click here
Education, Skills and Training	University admissions by place of residence, 1997 and 1998	Oxford University; Universities and Colleges Admissions Service (UCAS)	England	Local Authority Ward	Click here
	Primary school pupils at Key Stage 2, Summer 1998	Oxford University	England	Ward	Click here
Health	Attendance Allowance claimants	Department for Work and Pensions Information Centre Analytical Services Division	England Wales Scotland	Local Authority Ward	Click here
	Disability Living Allowance	Department for Work and Pensions Information Centre Analytical Services Division	England Wales Scotland	Local Authority Ward	Click here
	Drug mis-users presenting for treatment	Department of Health (Regional Drug Misuse Databases)	England	Health Authority	Click here
	Hospital Episode Statistics,	Department of Health, Statistics	England	Local Authority	Click here

Lessons from NSS

- Clear need for a single definitive geographic referencing framework, which can allow flexible use and aggregation of data
- Significant task because of the number of organisations involved, all with different views of the geographical needs of their data
- NSS good example of joining up geography to provide useful information
- Need to add data from other agencies but problems – some technical but most <u>organisational</u>

Organisational Issues

- Need for strong support at ministerial level, adequate funding, a lead agency, and the willing co-operation of others involved in the supply of geo-referencing and address validation and matching data
- Information sharing reliant on goodwill of participating agencies;
 needs to be improved, e.g. Government mandate.
- Problems with Data Protection Act, OS Copyright, commercial confidentiality
- Cost recovery
- Data Integrity
- Current working practices lot of work needed to get data in right format etc. Some agencies reluctant to get involved

Good example of Joined up Government www.londoncabi.org.uk



Administrative Areas
Citizen Advice Centres
Leisure Facilities
Libraries
Schools
Recycling Points
Cycling Routes
Open Spaces
Aerial Photography

Find My Nearest... Find a Location Report a Problem

Copyright © GDC 2003 Contact the webmaster | About | Links | Privacy | Help | Feedback

Welcome to London CABI Pilot Site
London Council Information From A to B

A central information point for services delivered by the following London Boroughs



The Royal Borough of

Kensington and Chelsea







This site delivers information on all the facilities listed to the left, regardless of which of the 5 London boroughs in this pilot is responsible for originating the data. You will also find identical information delivered through each councils web site. Go to the <u>links</u> page to visit their sites. The objectives of this pilot are:

To develop a consistent geographical interface for the public
 Deliver Council information to citizens and visitors for the whole partnership area
 To act as a proof of concept that the partners can work together sharing geographical data using open standards



About | Links | Privacy | Help | Feedback

feinfeld to the free free

Citizen Advice Centres Leisure Facilities Libraries Schools Recycling Points Cycling Routes Open Spaces Aerial Photography Important Places

Find My Nearest... Find a Location Report a Problem

Copyright @ GDC 2003 Contact the webmaster

WARDS BROWSER

Click here to find the ward for your address.

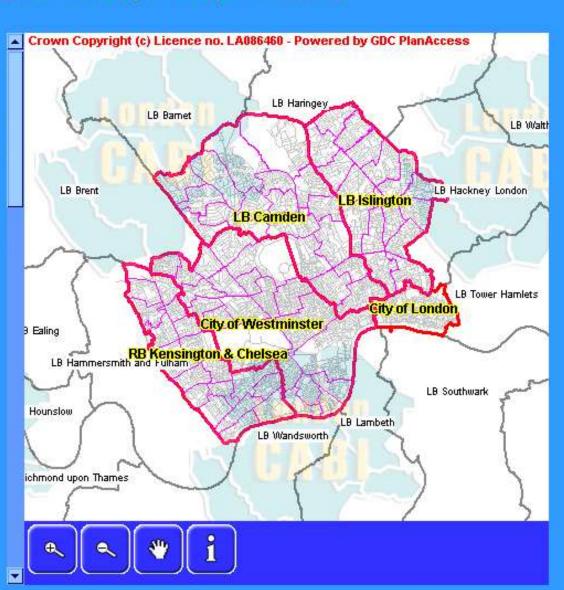
Click here to show the all the wards on the map

Use the map tools to move the map

Click a ward name below to locate it on the map

City of Westminster

ABBEY ROAD
BAYSWATER
BRYANSTON AND
DORSET SQUARE
CHURCH STREET
CHURCHILL
HARROW ROAD
HYDE PARK
KNIGHTSBRIDGE AND
BELGRAVIA
LANCASTER GATE
LITTLE VENICE
MAIDA VALE
MARYLEBONE HIGH



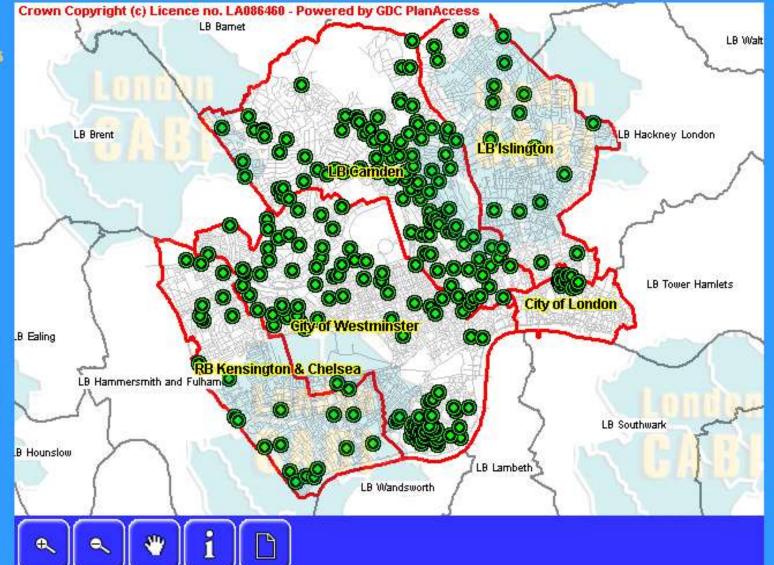


Administrative Areas
Citizen Advice Centres
Leisure Facilities
Libraries
Schools
Recycling Points
Cycling Routes
Open Spaces
Aerial Photography
Important Places

Find My Nearest... .B Ealing
Find a Location
Report a Problem

Copyright @ GDC 2003 Contact the webmaster

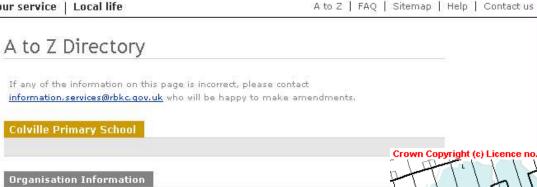
| About | Links | Privacy | Help | Feedback



Recycling Centre		Click or	n a Record	to display the location on the map		
		Distance	DESCRIPTION	EMAIL	FID	INFO
Crown Copyright (c) Licence no	Nada National State of the Control o	255	See Info.	mailto: onestopenquiries@westminster. gov. uk	b5990t5000o64	http://westminster.i
	Weaths und	361	See Info.	mailto: onestopenquiries@westminster.gov.uk	b5990 t 5000o63	http://westminster.
Hospi Authoritin	PADDINGTON	375	See Info.	mailto: onestopenquiries@westminster.gov.uk	b5990t5000o3	http://westminster.i
Senio	901001	595	see info	mailto:information.services@rbkc.gov.uk	b5600t4050oUid	http://www.rbkc.gov
Noting Hill	CHOMAN NO. 18 W. S. P.	613	See Info.	mailto: onestopenquiries@westminster. gov. uk	b5990t5000o13	http://westminster.
Holland Park KE	Gardens - Royal Albert Knight	628	See Info.	mailto: onestopenquiries@westminster. gov. uk	b5990t5000o5	http://westminster.
Ulham Pripik Pripik Pripik Pripik Pripik Pripik Pripik Pripik	MSNG TO SERVICE OF THE SERVICE OF TH	648	See Info.	mailto: onestopenquiries@westminster. gov. uk	b5990 t 5000o4	http://westminster.
		670	See Info.	mailto: onestopenquiries@westminster. gov. uk	b5990t5000o62	http://westminster,
	T' 1	864	See Info.	mailto:onestopenquiries@westminster.gov.uk	b5990t5000o16	http://westminster.i
	Find my nearest					
	recycling facility		See Info.	mailto:onestopenquiries@westminster.gov.uk	b5990t5000o61	http://westminster.
		952	see info	mailto:information.services@rbkc.gov.uk	b5600t4050oUid	http://www.rbkc.gov
		955	See Info.	mailto: onestopenquiries@westminster. gov. uk	b5990 t 5000060	http://westminster.
	Find my nearest recycling facility	y 952	See Info. see info	mailto: onestopenquiries@westminster, gov. uk mailto: information, services@rbkc. gov. uk	b5990t5000o61 b5600t4050oUid	http://westminster. http://www.rbkc.gov

School Click on a Record to display the location on the map Distance DESCRIPTION EMAIL FID INFO Crown Copyright (c) Licence no. LA086460 - Powered by GDC PlanAccess http://www.westminst mailto:alocal@westminster.gov.uk b5990t5002o30 535 See Info. type=Primary 559 see info mailto:information.services@rbkc.gov.uk_b5600t4040oUid_http://www.rbkc.gov.u http://www.westminst 629 See Info. mailto:alocal@westminster.gov.uk b5990t5002o36 type=Primary http://www.westminst mailto:alocal@westminster.gov.uk b5990t5002o12 633 See Info. type=Primary http://www.westminst 654 b5990t5002o11 See Info. mailto:alocal@westminster.gov.uk type=Primary 678 mailto:information.services@rbkc.gov.uk b5600t4040oUid http://www.rbkc.gov.u see info http://www.westminst 933 See Info. mailto:alocal@westminster.gov.uk b5990t5002o15 type=Primary http://www.westminst 985 See Info. mailto:alocal@westminster.gov.uk b5990t5002o6 type=Primary 1031 mailto:information,services@rbkc.gov.uk b5600t4040oUid http://www.rbkc.gov.u see info http://www.westminst 1096 mailto:alocal@westminster.gov.uk b5990t5002o29 See Info. type=Primary http://www.westminst 1107 See Info. mailto:alocal@westminster.gov.uk b5990t5002o26 type=Primary 1121 see info mailto:information.services@rbkc.gov.uk b5600t4040oUid http://www.rbkc.gov.u http://www.westminst 1204 See Info. mailto:alocal@westminster.gov.uk b5990t5002o33 type=Primary see info mailto:information.services@rbkc.gov.uk_b5600t4040oUid_http://www.rbkc.gov.u Find my nearest school mailto:information.services@rbkc.gov.uk_b5600t4040oUid_http://www.rbkc.gov.u see info http://www.westminst See Info. mailto:alocal@westminster.gov.uk b5990t5002o35 1291 type=Primary mailto:information.services@rbkc.gov.uk b5600t4040oUid http://www.rbkc.gov.u 1299 see info





A to Z Help Back

YZ

Select A Letter

A B C D E F

OPOR

TUVWX



Search: type keyword

search



Administrative Areas
Citizen Advice Centres
Leisure Facilities
Libraries
Schools
Recycling Points
Cycling Routes
Open Spaces
Aerial Photography
Important Places

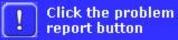
Find My Nearest... Find a Location

Report a Problem

Copyright @ GDC 2003 Contact the webmaster

About | Links | Privacy | Help | Feedback

Use the Address search to zoom the map to an area



Click the map to report a problem at that specific location



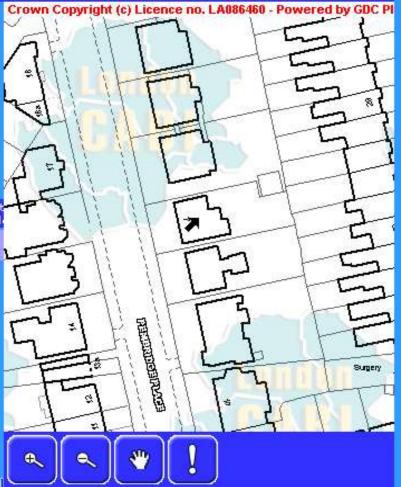
Gazetteer Finder



1 addresses

Name	Number	Street	Locality	Town	Post Town	
	7-	Pembridge Place		LONDON		W2 4XB

Report a Problem

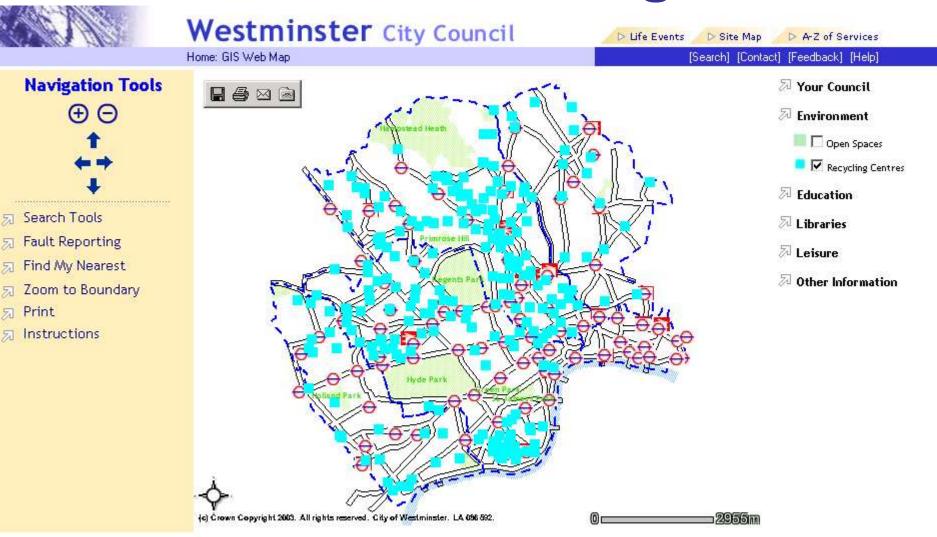


Problem Report Page

The responsible authority for this location is: RB Kensington & Chelsea.

Please select the appropriate Name: category to describe the problem you would like to report, Address: Street Lights Describe the problem you are reporting: Postcode: Email Address: Describe the location more precisely: Telephone Number:

www.westminster.gov.uk



(acancies) [Online Payments] [Disclaimer



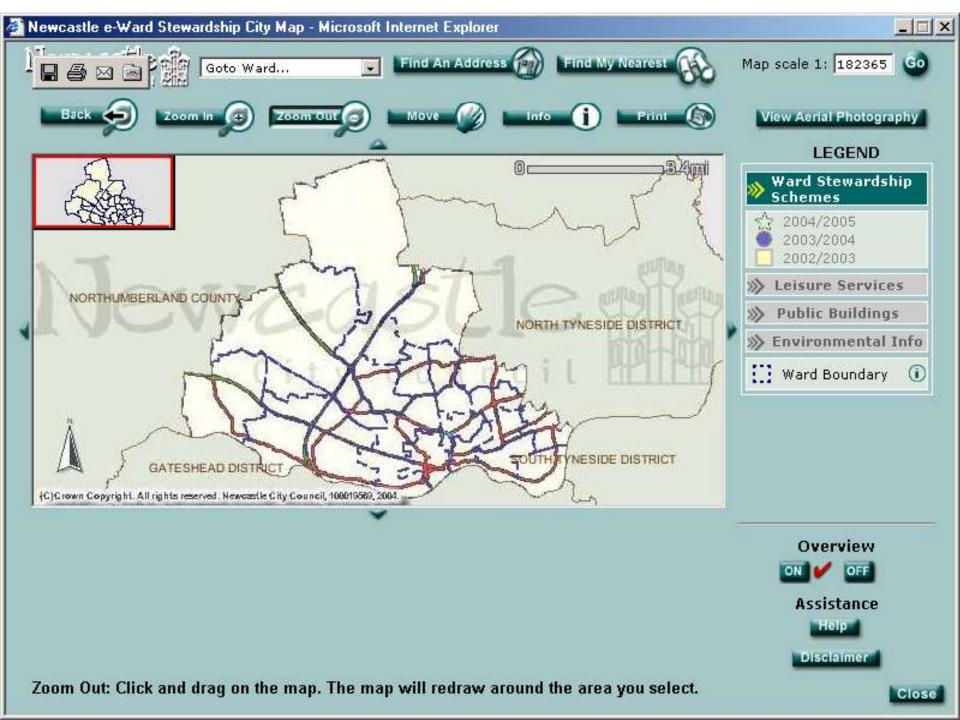
Click on the Map link to display the Recycling Centres location on the map

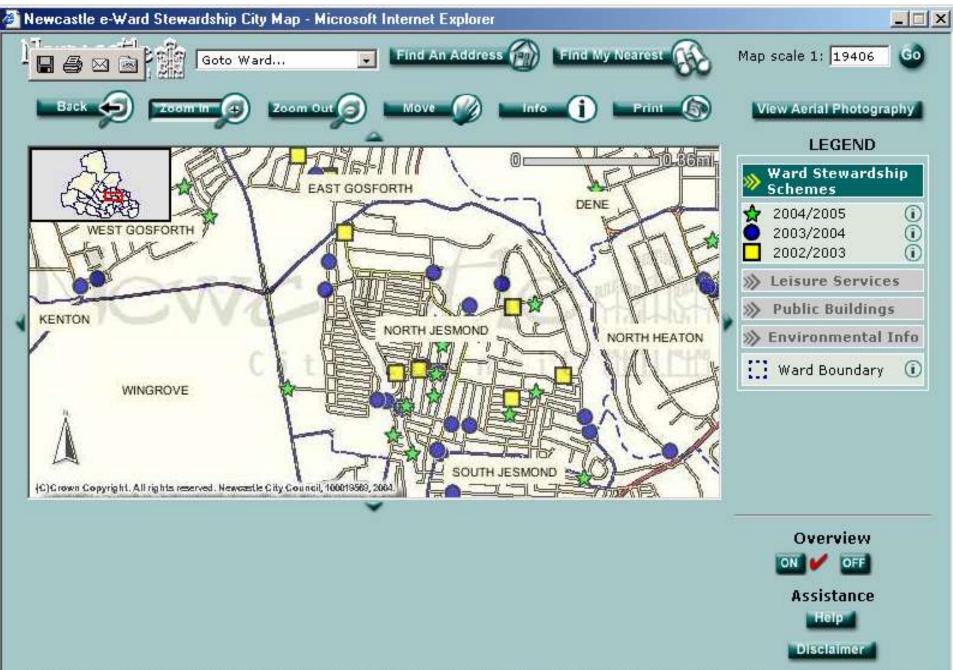
Recycling Centres

	Distance	Name	Information	E-Mail	Borough	
Map	282m	Junction With Artesian Road and Chepstow Road	More Information	<u>Email</u>	City of Westminster	
Map	382m	Junction With Moscow Road and Outside LEB Station	More Information	<u>Email</u>	City of Westminster	
Map	384m	Junction With Kensington Gardens Sq and NW Corner	More Information	<u>Email</u>	City of Westminster	
<u>Map</u>	591m	Portobello Road (junction with Lonsdale Road)	More Information	<u>Email</u>	Royal Borough of Kensington and Chelsea	
Map	636m	Junction With Westbourne Park Road and Shrewsbury Road	More Information	<u>Email</u>	City of Westminster	
Мар	653m	Junction With Inverness Terrace and Outside Hallfield Estate	More Information	<u>Email</u>	City of Westminster	
Map	674m	Junction With Porchester Road and Bishops Bridge Road	More Information	<u>Email</u>	City of Westminster	
Map	687m	Junction With Queensborough Terrace and Porchester Gardens	More Information	<u>Email</u>	City of Westminster	
Мар	885m	Junction With Great Western Road and Opposite Westbourne Park St	More Information	Email	City of Westminster	-
Map	897m	Junction With Cleveland Square and SW Corner		1/2		18
Map	960m	Tavistock Depot (Portobello Road nr. Westway)	13003	RON	E PUPHA	M TERR 3
Map	968m	Junction With Craven Hill Gardens and Craven Hill		TALBO	ROAD III IN IN	URA T
Map	984m	Junction With Cleveland Terrace and Gloucester Terrace	F	100	SIES SIES	Jin V
Мар	1095m	Junction With Lancaster Gate and Recycling Centre	一。一樣	園		
Map	1095m	Junction With Lancaster Gate and Recycling Centre		12	PSTOW RUAD NOTTHINGE	R.
Map	1112m	Junction With Woodfield Road and Outside no. 9	COURTNELL ST	SUTHERLAND		VION ROS
Map	1218m	North Kensington Sports Centre				101
Map	1240m	Junction With Harrow Road and Outside Elgin Estate	TOTAL TOTAL CONTRACTOR OF THE PARTY OF THE P		ROAD	
Map	1304m	St. Marks Road (under Westway)	ART	SIAN		TIT
Map	1315m	Lancaster Road (rear of Nth Ken. Sports Centre)	186	- 11	BOUFNE TO GROVE TO Sch	
Map	1350m	Elkstone Road (junction with Golborne Road)	# PW			
Мар	1361m	Junction With Sussex Gardens and Outside St James Church	_181		PW NO.	13
<u>Map</u>	1398m	Junction With Warwick Avenue and Warwick Avenue Station	7	1		7/
Map	1414m	Junction With Shirland Road and Opposite Marylands Road		100 100	III III STER SO	71
Map	1434m	Holland Park Carpark (Abbotsbury Road entrance)		VILLAS	Your Location	1
		<u> </u>) 5 TOM	-	+Your Location	71
		Jet.	Crown Committee book All right	reserved &	Marinister Calles And	1993

Newcastle e-Ward Stewardship

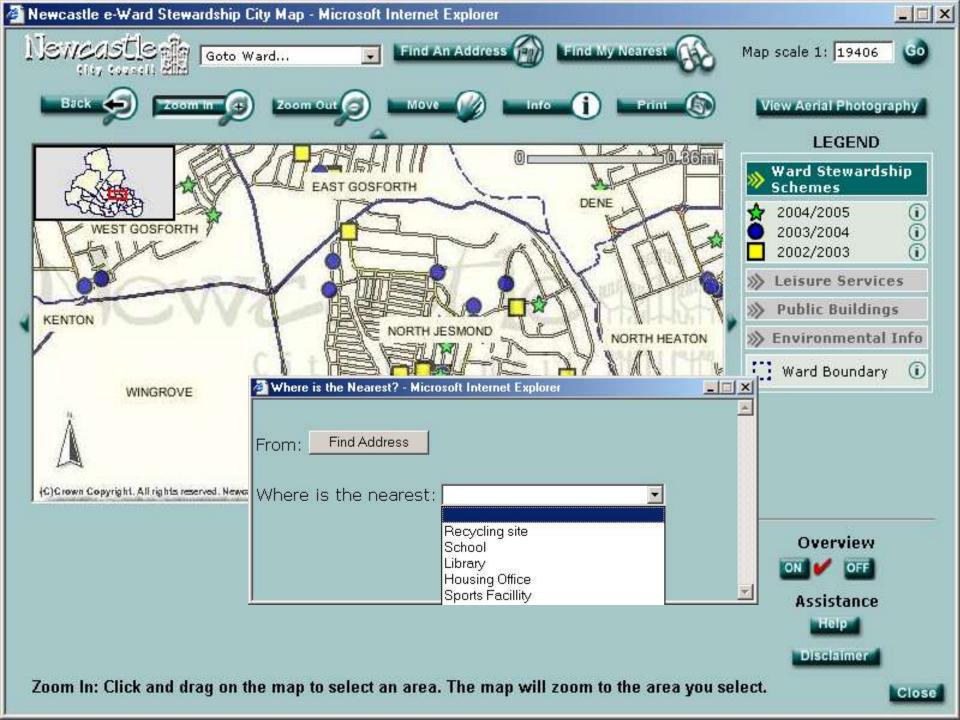
- Newcastle City Council increased accountability of the Council > developed concept of Ward Stewardship
- Offers the opportunity for residents priorities to influence service improvements and investment decisions
- Provides detailed information on schemes that have been suggested
- Improves public engagement 24/7
- Replaces meetings with Ward Stewards and newsletters
- 73% of browsers rate system as "easy to use"





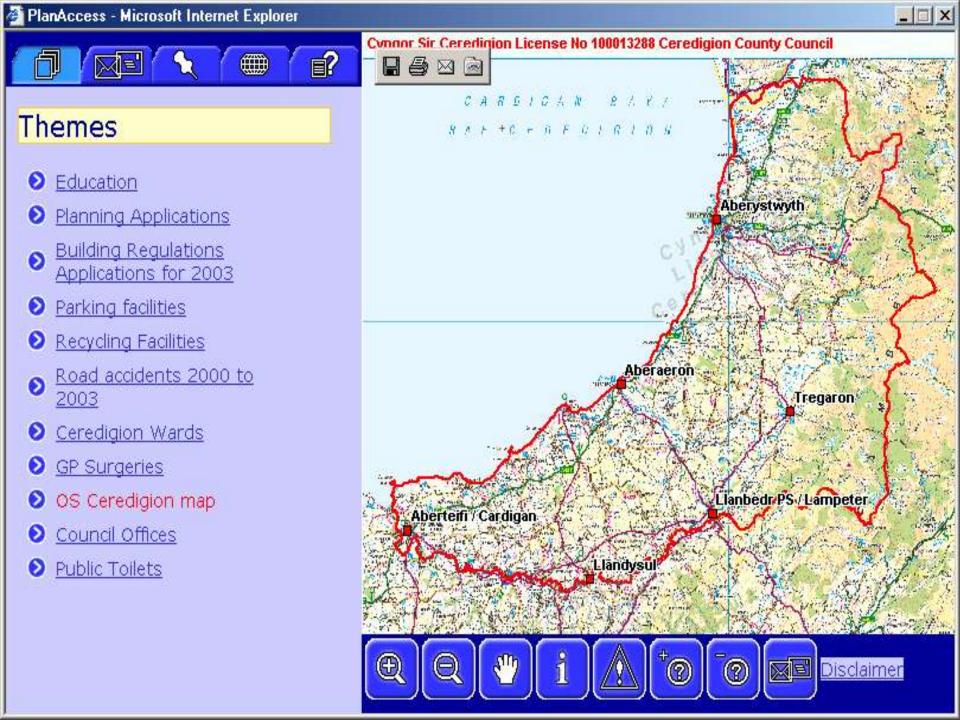
Zoom In: Click and drag on the map to select an area. The map will zoom to the area you select.

Close

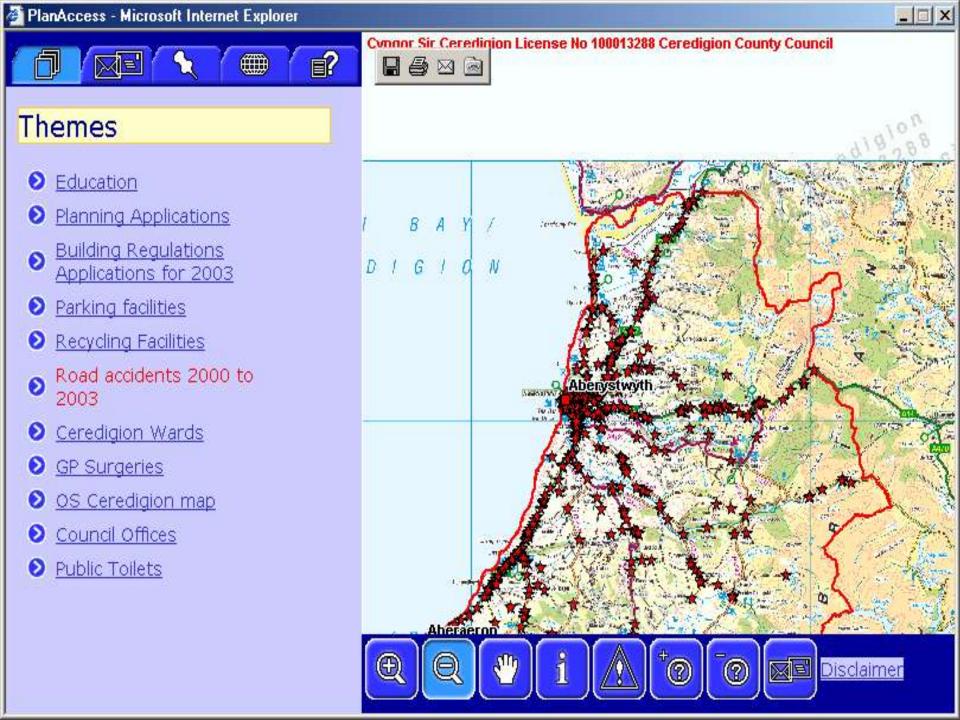


Ceredigion Unitary Authority

- First bi-lingual interactive mapping facility
- Built on MapInfo MapXtreme web-based system
- PlanWeb runs in standard Internet Explorer web browser
- 1000 staff in different departments across the county have access to e.g. 42,000 planning applications via seure intranet
- PlanAccess Open GIS Consortium-compliant web map server – provides developers with a toolkit that allows static or interactive mapping and address-based searches

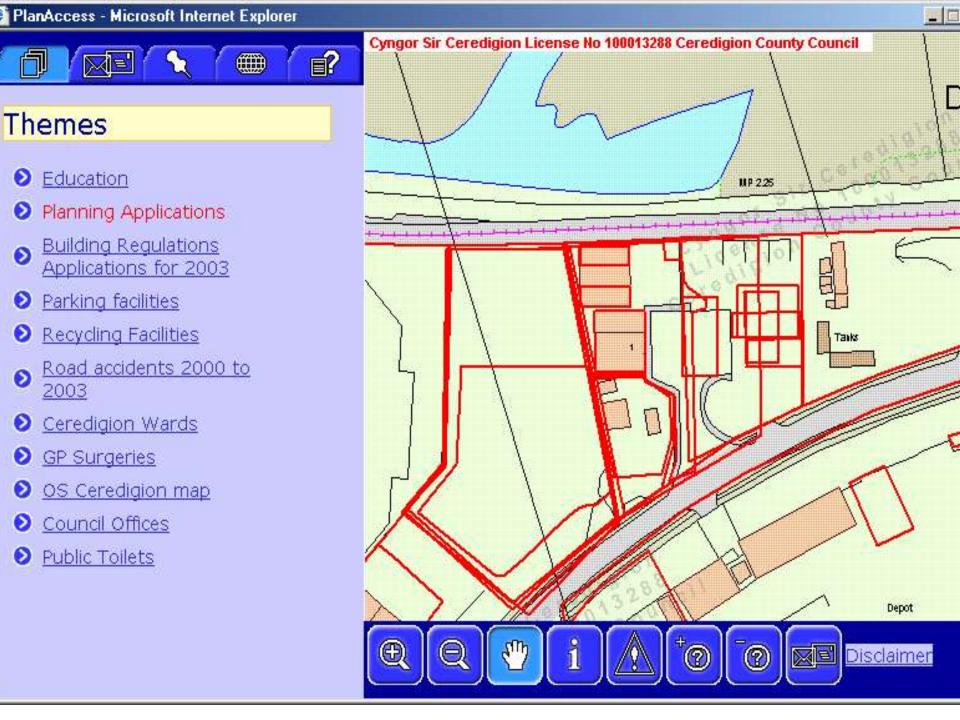






Ceredigion's Corporate System

- Legal services staff can now access all mapped planning applications dating back to the early 1970s
- Easily produce electronic and hard copy site plans without the assistance of planning team
- Staff in Education dept. can access school catchment boundary data
- System presents a range of local authority data "themes" layered over Ordnance Survey maps
- Interactive tools allow users to zoom into detail, pan around the maps, click mapped objects and use functionality such as "find the nearest"



National examples of joined up working

- Crime and Disorder Act
 - Home Office Research Development and Statistics Unit recommended Home Office encourage police forces to adopt GIS to establish a national resource for geog. analysis of crime patterns and disseminate statistics using the Internet
- National Land Use Database
 - Attempt to gain accurate picture of extent of brownfield developments in England
 - Need to provide central and local government with key information on the amounts of previously developed land that may be available for redevelopment

National Land Use Database

- http://www.nlud.org.uk/
- Research in the early 1990's established the paucity of information about extent and distribution of land use in England
- To support Government policy on re-utilisation of brownfield sites for urban housing (60% if all new-build) all authorities need to identify such sites and provide basic information on size and suitability
- NLUD initiative a partnership project between the Department of Environment Transport and Regions, English Partnerships, Improvement and Development Agency (representing the interests of Local Government) and Ordnance Survey
- Firm commitment to a full implementation of NLUD over the next few years



The National Land Use Database

NLUD is a partnership between:



NLUD™ Online

NLUD Phase 1 sites - sample data

Homepage

Explore NLUD Phase 1 sites

Explore NLUD

The longer term vision

Current project status

Media events

More about the NLUD Partners

Key published documents

Government statistics

Matters technical

How to contact us

NLUD and the year 2000

National Land Use Database Site Ref. 34000009



Local authority: Site reference:

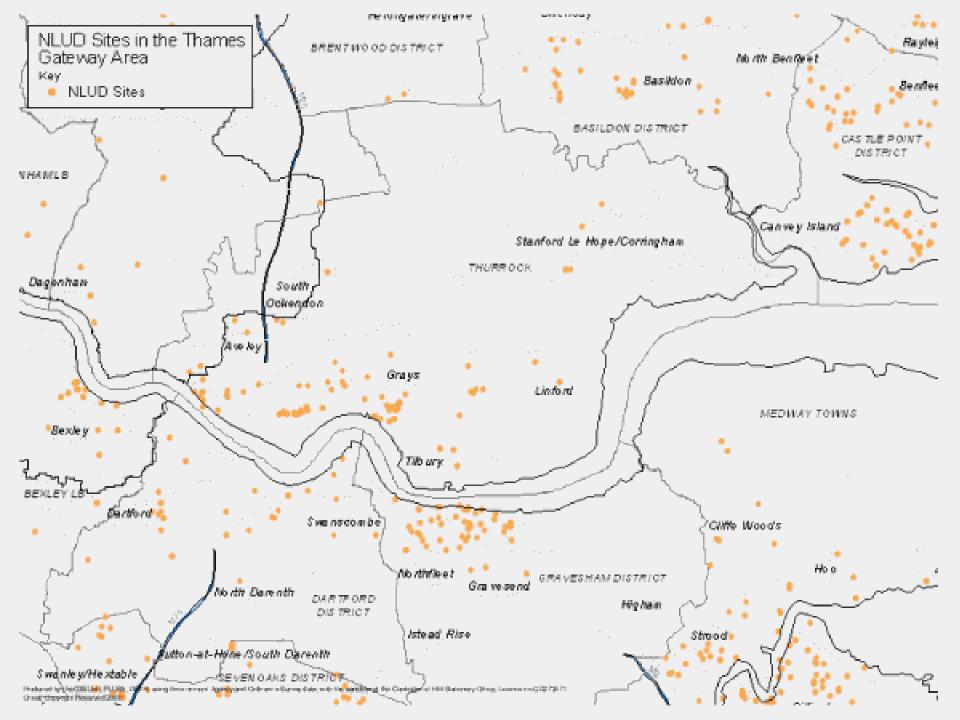
34000009

Site description: Address:

TELEPHONE ENGINEERING CENTRE

108 - 114 KINGS ROAD

-

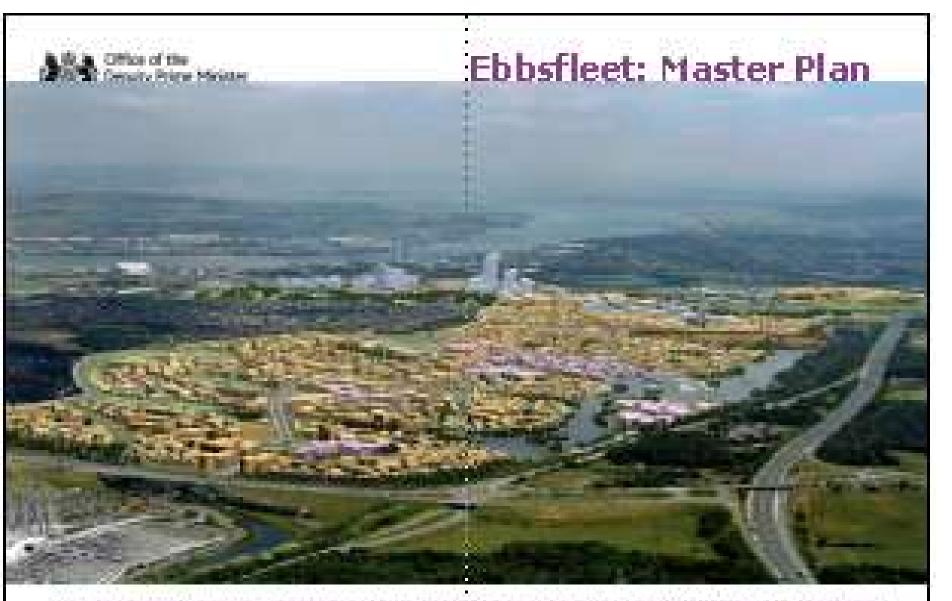




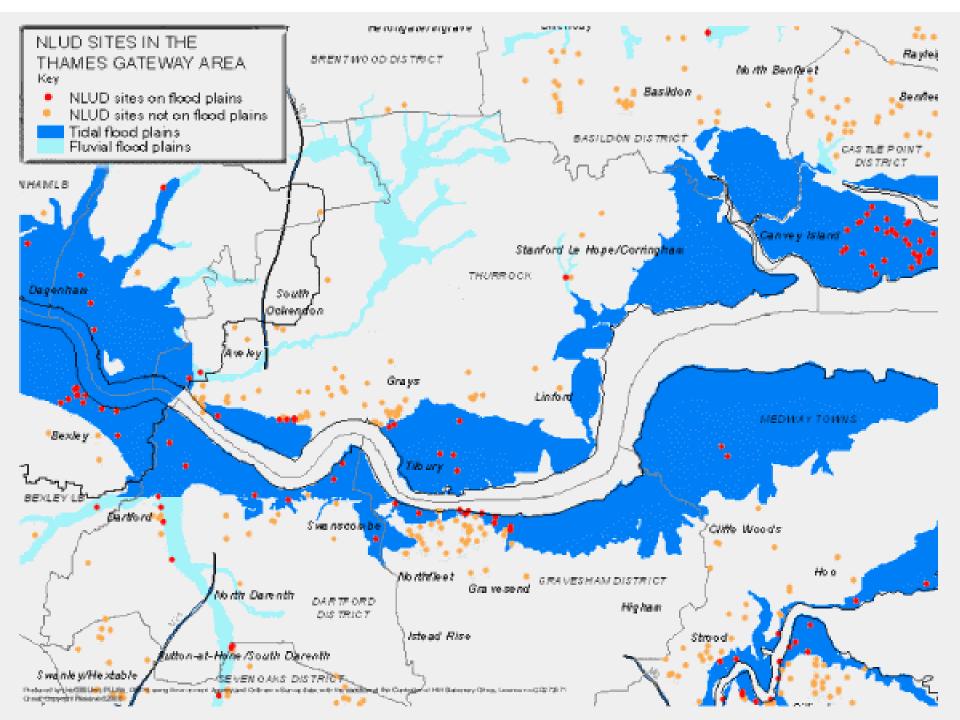
Ebbsfleet: Today

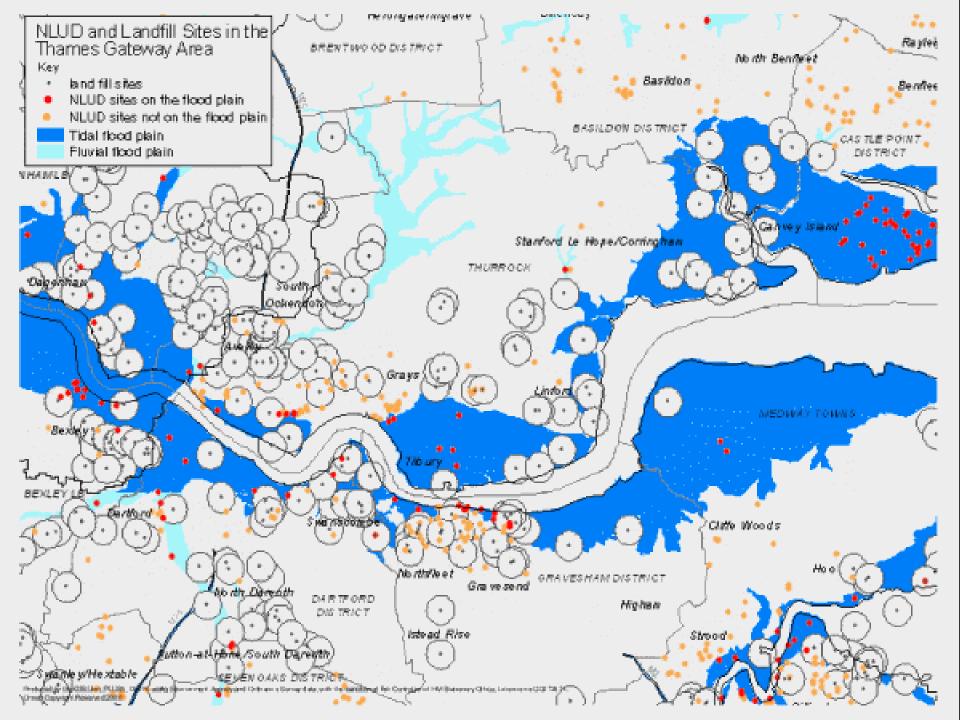


local and regional government - hoosing - planning - fire - regeneration - sucial exclusion - reighboorhood renewal



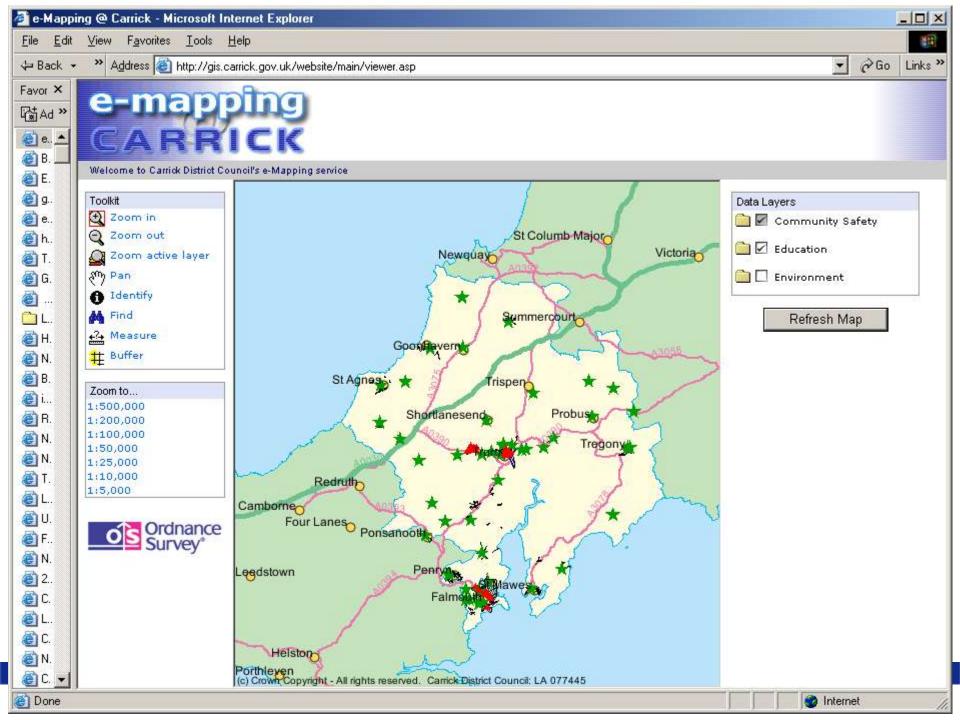
local and regional government - housing - planning - fire - regeneration - social exclusion - neighbourhood reversal

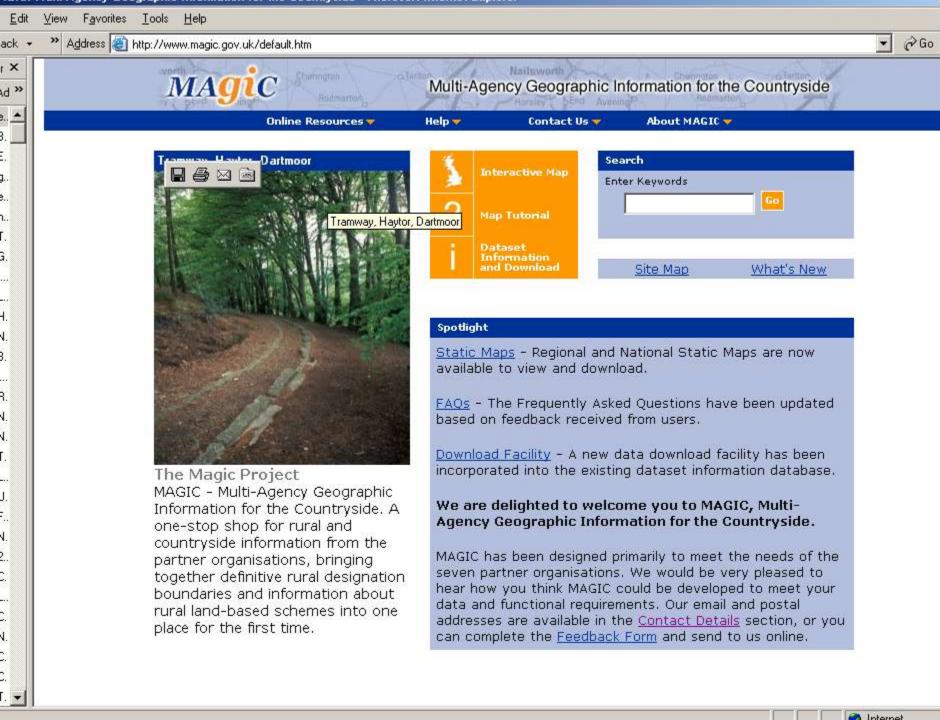




New developments - geoportals

- National Geospatial Data Framework (NGDF) a UK metadata portal – now known as GI gateway
- SPIDER Project Strengthening Participation in Democracy in a Rural Area – facilitates sharing between districts and county councils and helps to co-ordinate emergency services and dissemination of information to the general public
- MAGIC Project Multi-Agency Geographic Information for the Countryside – a GI portal with information from multiple government agencies about the countryside





References

- Bromley, R.D.F. and Coulson, M. (1991) GIS in British local government: the benefits to resource management and planning, in Worrall, L. (Ed.) *Spatial analysis and spatial policy using geographic information systems,* Belhaven Press, London, 38-61.
- Campbell, H.J. and Masser, I. (1992) GIS in local government: some findings from Great Britain, *International Journal of GIS*, 6(6), 529-546
- Chorley, R. 1988. "Some reflections on the handling of geographical information," International Journal of Geographical Information Systems 2:3-10
- Chorley, R. and Buxton, R. (1991) The Government setting of GIS in the United Kingdom, Chapter 5 in Maguire, D.J., Goodchild, M.F. and Rhind, D.W. (1991) Geographical Information Systems: Principles and Applications, Longman
- Department of Environment, 1987. Handling Geographic Information. Her Majesty's Stationery Office, London. The full Chorley Report
- Heywood, I. 1997. Beyond Chorley: current geographic information issues. ,
 Association for Geographic Information, London.

Acknowledgements: Some of the material used here was provided by Prof Gary Higgs, University of Glamorgan

Summary & Questions

- GIS has an important role to, both within the organisation of local government and as a value added service to the citizens it serves
- GIS offers a framework by which disparate systems can more easily exchange data and information
- Questions