

# DESKTOP MAPPING

## Product Types & user requirements

VERSION 1.01 - Released 14<sup>th</sup> November 2003

	<b>Page</b>
<b>1 Siteplan<sup>®</sup>/Superplan<sup>®</sup> Products</b>	<b>3</b>
<b>1.1 Siteplan<sup>®</sup></b>	<b>4</b>
1.11 Siteplan <sup>®</sup> Plot	4
1.12 Siteplan Data <sup>™</sup>	5
<b>1.2 Superplan<sup>®</sup></b>	<b>6</b>
1.21 Superplan <sup>®</sup> Plot	6
1.22 Superplan <sup>®</sup> Data	8
<b>2 Landplan<sup>®</sup></b>	<b>8</b>
<b>3 Options Customisation and Functionality</b>	<b>10</b>
<b>4 Superplan<sup>®</sup> and Landplan<sup>®</sup> Printable Areas</b>	<b>11</b>

These product descriptions are intentionally short and to the point and are intended to help you decide which product versions best meet your requirements and whether you have the software and hardware available to utilise them. Should further details be required we would recommend firstly that you view our business mapping pages under [www.centremaps.com](http://www.centremaps.com) where you will find some frequently asked questions and samples for all products. If you are still in any doubt then please contact one of our outlets who will be delighted to help you further.

When ordering any of the following, there are a number of pre-defined options available that can be selected and detail on these choices can be found in the Ordnance Survey product functionality document.

Products may also be customised to varying extents by the use of drawing tools and details of the controls available are listed in the official Ordnance Survey User Guide.

## 1 Siteplan<sup>®</sup>/Superplan<sup>®</sup> Products

Both products offer Ordnance Survey's largest scale data, with their combined options covering a range of formats.

The source data for both products is surveyed to one of 3 scales:

'Urban' 1:1250 scale

'Rural' 1:2500 scale

'Moorland' 1:10 000 scale

Although mapped to this scale and accuracy (refer to website for technical spec) the mapping is stored in a database which allows the extraction of the data to whichever scale required although the original accuracies will still apply.

The mapping data is the most current available, being constantly updated by field agents with up to 5000 changes in any one day. The data is so up to date that many building projects now appear on the mapping before completed. To find out when an area was last updated, Ordnance Survey offer the following site:

<http://www.ordnancesurvey.co.uk/oswebsite/products/landline/tileselector.html>

Please note however that the date provided indicates only the most recent occasion on which additions and corrections were made and it does not indicate that the mapping was

completely re-surveyed on this date. As such there may be parts of the mapping that have been overlooked and which are still out of date. On being made aware, Ordnance Survey is committed to ensuring that the required changes are made within the following 6 months.

## 1.1 Siteplan®

Siteplan® provides either a paper or data A4 format product with 3 options available:

1:500 scale                      80 by 80 metres coverage  
1:1250 scale                    200 by 200 metres coverage  
1:2500 scale                    400 by 400 metres coverage



Siteplan®



1:2500 Scale

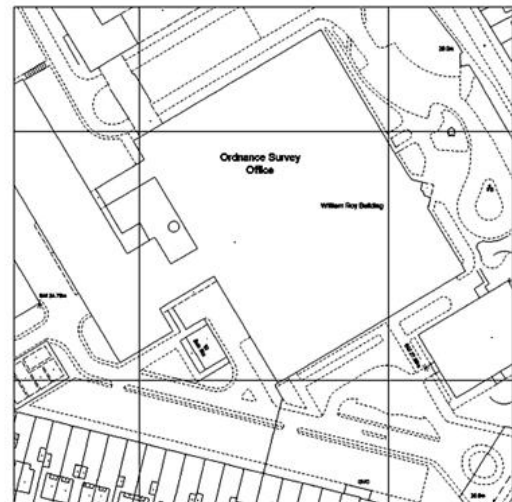


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Centre Coordinates: 672481 206189  
National Grid sheet reference at centre of this Siteplan: TL2095SW  
Supplied by: Centremaps  
Serial Number: 00000577



Siteplan Data™



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Centre coordinates: 435750NE 1147320E  
National Grid sheet reference at centre of this Siteplan: SU2014NE  
Supplied by: Ordnance Survey  
Serial Number: 45

Siteplan® Plot 1:2500

Siteplan Data™ 1:1250

### 1.11 Siteplan® Plot

This paper version comes with 6 copies as standard and must be printed on A4 copyvoid paper which is available to order in reams of 200.

**Product Completion** The product is downloaded as a .ps (postscript) file and can only be printed with total accuracy on PostScript enabled printers. The document can be printed in one of two ways:

- 1) **Without opening the file.** Simply left click on the .ps file icon with the mouse and then visibly drag the file over the batch file icon provided (this can be adjusted to target a local or network printer– see the ‘DTM Setting Up’ guide) then release the left mouse button. This will either send the document to the local or a network printer as preferred.
- 2) **By viewing and printing.** This is done by first downloading a free PostScript viewing program; we would recommend the popular Ghostview PostScript viewing platform (<http://www.cs.wisc.edu/~ghost/doc/AFPL/get811.htm>). This enables the opening of the .ps file as a viewable image which you can then choose to print at your target printer. This program also allows printing on most non-Postscript printers although parts of the page may be lost due to pre-set printer margins.

**Advantages:** A simple method of defining an A4 print for any site with six copies provided as standard. Commonly used in outline Planning Applications.

## 1.12 Siteplan Data™

A TIFF image with a one year copyright license provided as standard. TIFF images are almost universally accepted by desktop applications including Microsoft Word, PowerPoint and Publisher, Adobe Photoshop and many others.

**Print Scale:** As the size of the image can be varied when inserted into your chosen software, this version of the product does not show a fixed scale (e.g. 1:1250) but instead carries a scale bar which will always be applicable as it varies in size along with the image.

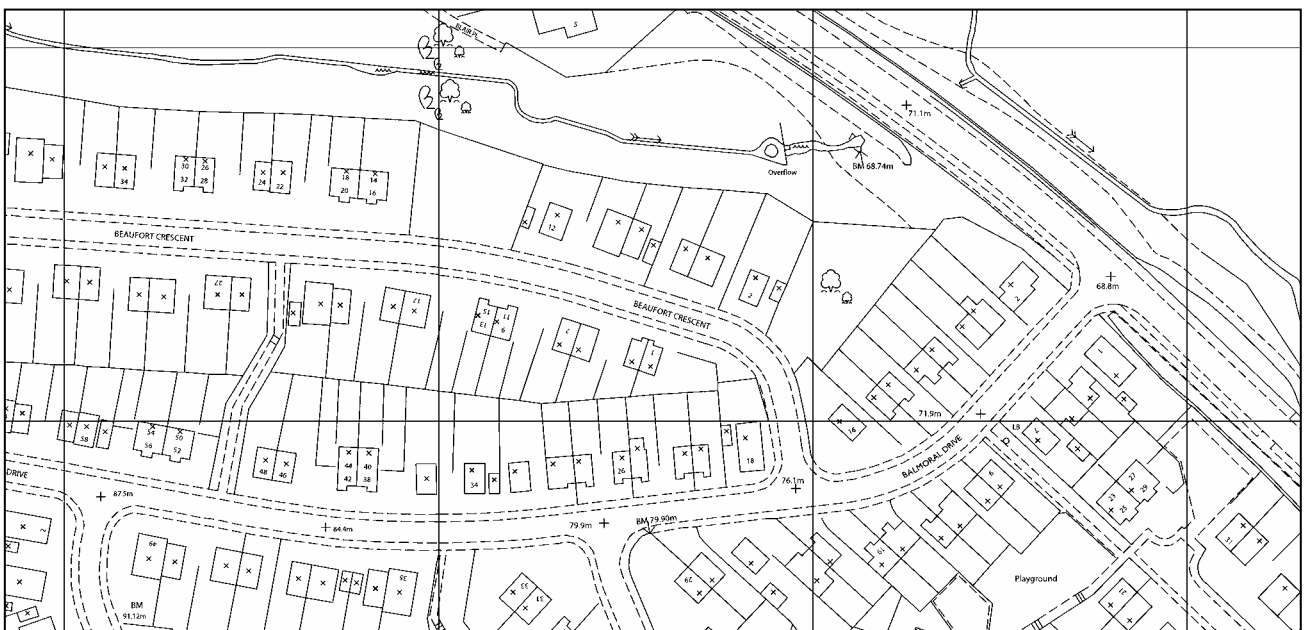
The obtain a print as close to the intended scale as possible, we would recommend inserting the picture into either Microsoft Publisher or into image editing software such as Adobe Photoshop. Once inserted, take care not to adjust the size of the image.

**Advantages:** The main advantages of this product are that, using the appropriate software, it may be annotated, merged into reports and printed out as many times as required within the restrictions of the one year copyright license included. Added to this is the ability to

make your product immediately available to colleagues etc via e-mail or other electronic transfer. Note that the image should not be 'published' in its' unaltered state.

## 1.2 Superplan<sup>®</sup>

Superplan<sup>®</sup> offers the same data as Siteplan<sup>®</sup> but without the restrictions of printing to a pre-defined scale or size and is available for printing on plain paper or may be downloaded as DXF data for use in CAD (Computer Aided Drafting) programs.



### 1.21 Superplan<sup>®</sup> Plot

The product size is variable to the nearest metre of ground coverage and the printed scale can be varied between 1:200 and 1:10 000.

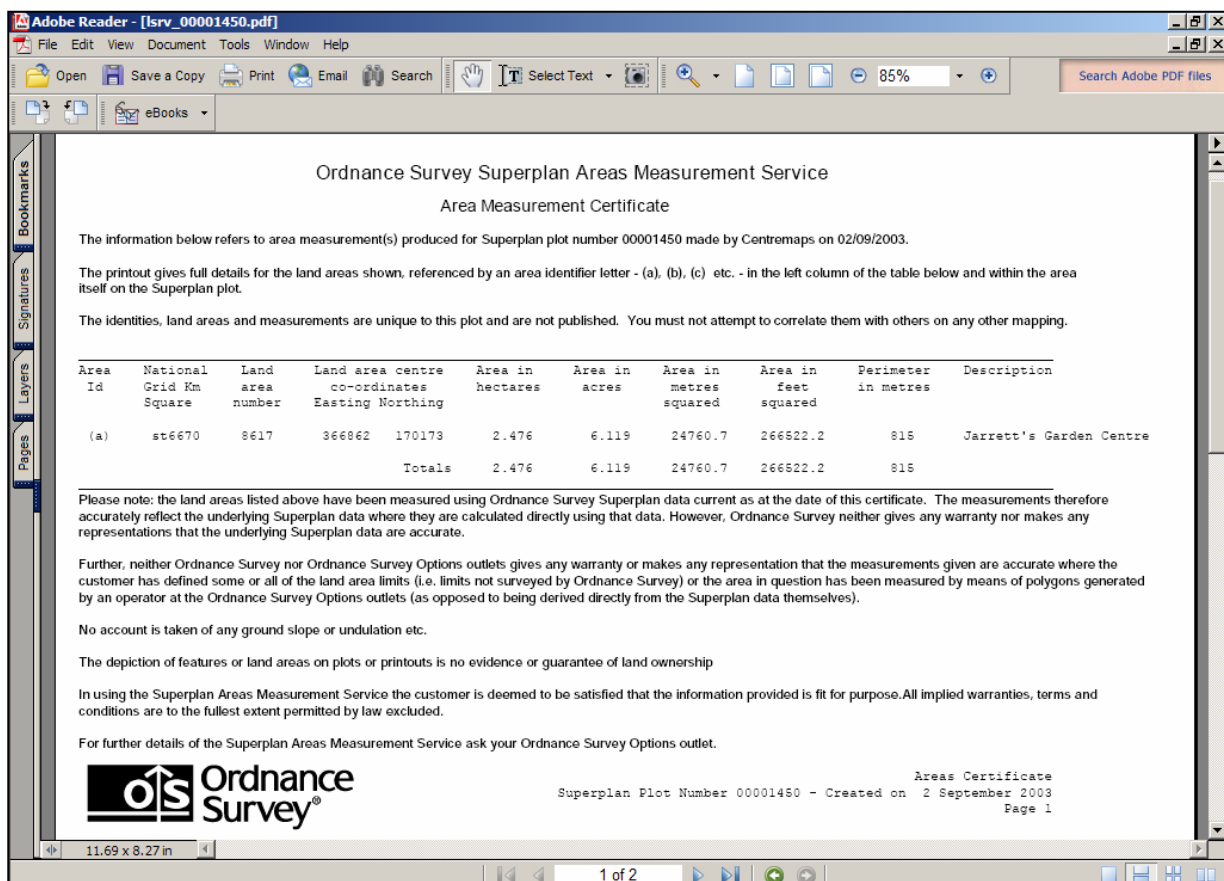
A reference chart follows these descriptions providing a guide to the different sizes of coverage in metres that will result in a print to the standard sheet sizes of A0 to A4 at a variety of scales. Also provided are the minimum and maximum areas that can be plotted for a given scale.

It should be noted that because of the borders on this product it is not possible to achieve a plot size small enough to fit entirely on an A4 sheet or an A3 sheet when in landscape format.

**Product Completion** After finalising an order the product is downloaded as a .plt or 'plot' file. The plot will then require printing on your choice of media in a printer or plotter capable of handling the paper size required and the following options are available:

- 1) **Request Completion** If you are unable to print larger than A4, we are happy to fulfil your order and offer a printing service for a small additional charge. On request, plots will be formed immediately and despatch will take place on the same day.
- 2) **Print without opening the file.** Simply left click on the .plt file icon with the mouse and then visibly drag the file over the batch file icon provided (this can be adjusted to target a local or network printer– see the 'DTM Setting Up' guide) then release the left mouse button. This will either send the document to the local or a network printer/plotter as preferred.

**Advantages:** In addition to complete control over the product coverage and scale, Superplan® Plots alone offer the advantage of performing area calculations which result in the forming of an official certificate in pdf format. Measurements are given in hectares and acres and are valid in official applications such as for IACS.



**Ordnance Survey Superplan Areas Measurement Service**  
Area Measurement Certificate

The information below refers to area measurement(s) produced for Superplan plot number 00001450 made by Centremaps on 02/09/2003.

The printout gives full details for the land areas shown, referenced by an area identifier letter - (a), (b), (c) etc. - in the left column of the table below and within the area itself on the Superplan plot.

The identities, land areas and measurements are unique to this plot and are not published. You must not attempt to correlate them with others on any other mapping.

Area Id	National Grid Km Square	Land area number	Land area centre co-ordinates Easting Northing	Area in hectares	Area in acres	Area in metres squared	Area in feet squared	Perimeter in metres	Description
(a)	st6670	8617	366862 170173	2.476	6.119	24760.7	266822.2	816	Jarrett's Garden Centre
<b>Totals</b>				2.476	6.119	24760.7	266822.2	816	

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


Further, neither Ordnance Survey nor Ordnance Survey Options outlets 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 (i.e. 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 Options outlets (as opposed to being derived directly from the Superplan data themselves).

No account is taken of any ground slope or undulation etc.

The depiction of features or land areas on plots or printouts is no evidence or guarantee of land ownership

In using the Superplan Areas Measurement Service the customer is deemed to be satisfied that the information provided is fit for purpose. All implied warranties, terms and conditions are to the fullest extent permitted by law excluded.

For further details of the Superplan Areas Measurement Service ask your Ordnance Survey Options outlet.

 **Ordnance Survey**<sup>®</sup>

Areas Certificate  
Superplan Plot Number 00001450 - Created on 2 September 2003  
Page 1

## 1.22 Superplan<sup>®</sup> Data

This format of the large scale mapping offers a far more powerful product which fully utilises the Ordnance Survey mapping data comes with a one year copyright license covering general business use.

**Product Completion** Once an order has been selected, it will almost immediately be available for download on the ftp server. The data may then be quickly downloaded as a zip file before being extracted to leave the file in DXF format. This can be opened by nearly all CAD (Computer Aided Design) packages and is more specifically a DXF Release 12 file meaning that the data is compatible with even early CAD packages. Depending on the application, the data may either be opened directly by double clicking or alternatively may be 'imported' from within the application.

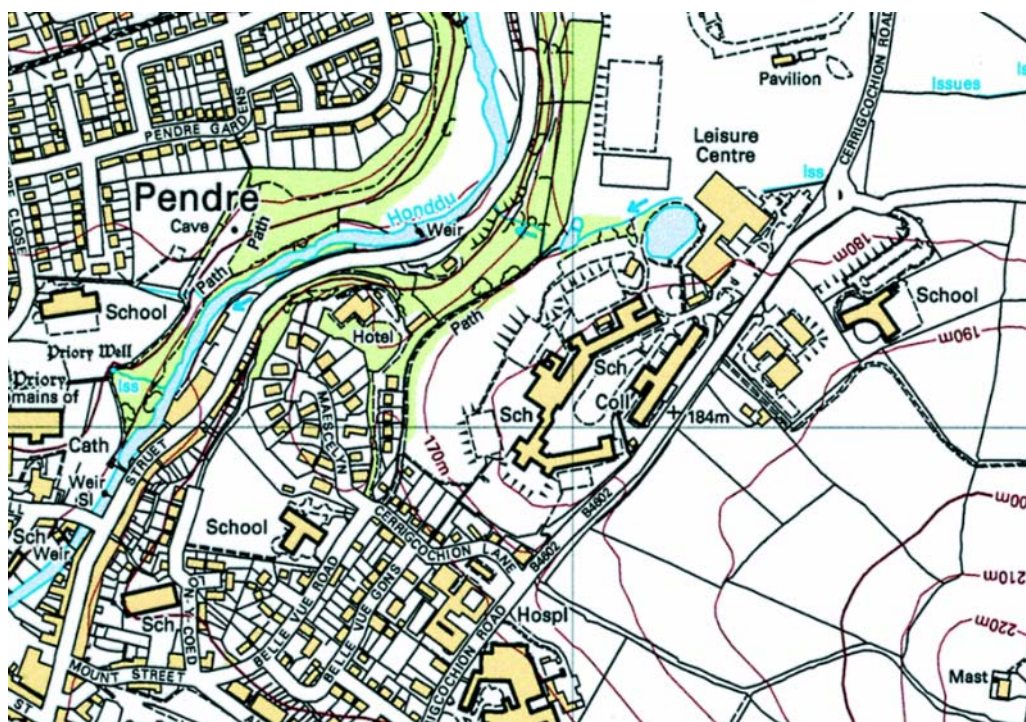
Once opened, do not panic if you do not at first see any mapping! Because the data is in vector format, each point retains its six figure national grid co-ordinates which are often in the order of 123456 E, 567890 N which results in the data being a long way from the 0 E, 0 N origin on which most CAD programs open. The data can be quickly viewed by zooming to extents.

**Advantages:** As mentioned, the data retains its vector co-ordinates with each drawing unit being one metre of ground coverage. This means real distances and areas can be quickly measured to the exact value recorded by Ordnance Survey although of course the normal accuracies of the data must be taken into consideration.

Added to this is the ability to add to the data with topographic surveys, design drawings and much more which can then be printed out to your choice of scale as many times as required within the limits of the one year copyright provided.

## 2 Landplan<sup>®</sup>

In addition to the standard large scale products, Landplan<sup>®</sup> is also available offering print outs of 1:10 000 scale mapping which can be enlarged to 1:5 000 if required. This format provides a great overview of the area in question with extensive coverage available at reasonable cost.



**Product Completion** After finalising an order the product, as with Superplan®) is downloaded as a .plt or 'plot' file. The plot will then require printing on your choice of media in a printer or plotter capable of handling the paper size required and the following options are available:

- 1) **Request Completion** If you are unable to print at larger than A4 then we will be happy to fulfil your order by providing a printing service for a small additional charge. On request, plots will be formed immediately and despatch will take place on the same day.
- 2) **Print without opening the file.** Simply left click on the .plt file icon with the mouse and then visibly drag the file over the batch file icon provided (this can be adjusted to target a local or network printer– see the 'DTM Setting Up' guide) then release the left mouse button. This will either send the document to the local or a network printer/plotter as preferred.

**Advantages:** This product offers excellent mapping for presentation or for a better overview of a location.



## SUPERPLAN AND LANDPLAN PRINTABLE AREAS

Paper Size	Print Dimensions (mm)						Ground Coverage Included											
	Incl. Border		Excl. Border		Width	Height	1:500 Scale		1:1250 Scale		1:2500 Scale		1:5000 Scale		1:10000 Scale			
	Width	Height	Width	Height			Width	Height	Width	Height	Width	Height	Width	Height	Width	Height		
A4	Portrait	210	297															
	Nearest to Portrait	240	340	160	160			200	200	400	400	800	800	1600	1600			
	1:500 Nearest to Portrait	280	380	200	200	100	100											
A3	Portrait	340	420	260	240													
	Nearest to A3 Landscape	420	340	340	160			325	300	650	600	1300	1200	2600	2400			
	Portrait	420	340	340	160	170	80	425	200	850	400	1700	800	3400	1600			
A2	Portrait	420	594	340	414													
	Landscape	594	420	514	240			425	518	850	1035	1700	2070	3400	4140			
	Portrait	420	340	340	160	257	120	643	300	1285	600	2570	1200	5140	2400			
A1	Portrait	594	841	514	661													
	Landscape	841	594	761	414			643	826	1285	1653	2570	3305	5140	6610			
	Portrait	594	420	514	240	381	207	951	518	1903	1035	3805	2070	7610	4140			
A0	Portrait	841	1189	761	1009													
	Landscape	1189	841	1109	661			951	1261	1903	2523	3805	5045	7610	10090			
	Portrait	841	594	761	414	555	331	1386	826	2773	1653	5545	3305	11090	6610			
914mm ROLL	Portrait	900	2500	820	2320													
	Landscape	2500	900	2420	720			1025	2900	2050	5800	4100	11600	8200	23200			
	Portrait	900	2500	820	2320	1210	360	3025	900	6050	1800	12100	3600	24200	7200			

## Product Definitions

	Output Scale	Extents	Hectares/km <sup>2</sup>
<b>Superplan</b>			
Standard Sheet Source scale 1:1250	1:1250	50 m by 50 m	25 ha
Standard Sheet Source scale 1:2500	1:2500	1000m by 100 m	100 ha
Planning Extract 1:1250	1:1250	200 m by 200 m	4 ha
Planning Extract 1:2500	1:2500	400 m by 400 m	16 ha
400 m by 400 m 1:1250	1:1250	400 m by 400 m	16 ha
800 m by 800 m 1:2500	1:2500	800 m by 800 m	64 ha
¼ mile radius 1:1250	1:1250	820 m by 820 m	67.24 ha
½ mile radius	1:2500	1640 m by 1640 m	268.96 ha
Superplan customised plot	1:200 to 1:10000	Minimum paper size: 160 mm by 160 mm Maximum paper size: 2900 mm by 730 mm	
Superplan data in DXF	Source Scale	Minimum order:4 hectares Maximum order: 250 ha @ 1:1250 1000 ha @ 1:2500 scale 22 500 ha @ 1:10 000 scale	
<b>Siteplan</b>			
Siteplan 1:500	1:500	80 m by 80 m	0.6 ha
Siteplan 1:1250	1:1250	200 m by 200 m	4 ha
Siteplan 1:2500	1:2500	400 m by 400 m	16 ha
Customised Siteplan 1:500	1:500	80 m by 80 m	0.6 ha
Customised Siteplan 1:1250	1:1250	200 m by 200 m	4 ha
Customised Siteplan 1:2500	1:2500	400 m by 400 m	16 ha
Siteplan Data 1:500 TIFF	1:500	80 m by 80 m	0.6 ha
Siteplan Data 1:1250 TIFF	1:1250	200 m by 200 m	4 ha
Siteplan Data 1:2500 TIFF	1:2500	400 m by 400 m	16 ha
<b>Landplan</b>			
Standard sheet	1:10000	5 km by 5 km	25 km <sup>2</sup>
A4 1:5000	1:5000	800 m by 800 m	0.64 km <sup>2</sup>
A4 1:10000	1:10 000	1600 m by 1600 m	2.56 km <sup>2</sup>
Site-centred 5 by 5 1:10000	1:10 000	5 km by 5 km	25 km <sup>2</sup>
Site-centred 3 by 3 1:5000	1:5000	3 km by 3 km	9 km <sup>2</sup>
Landplan Customised plot	1:5000 to 1:10 000 at intervals of 500	Minimum paper size: 160 mm by 160 mm Maximum paper size: 2500 mm by 730 mm	