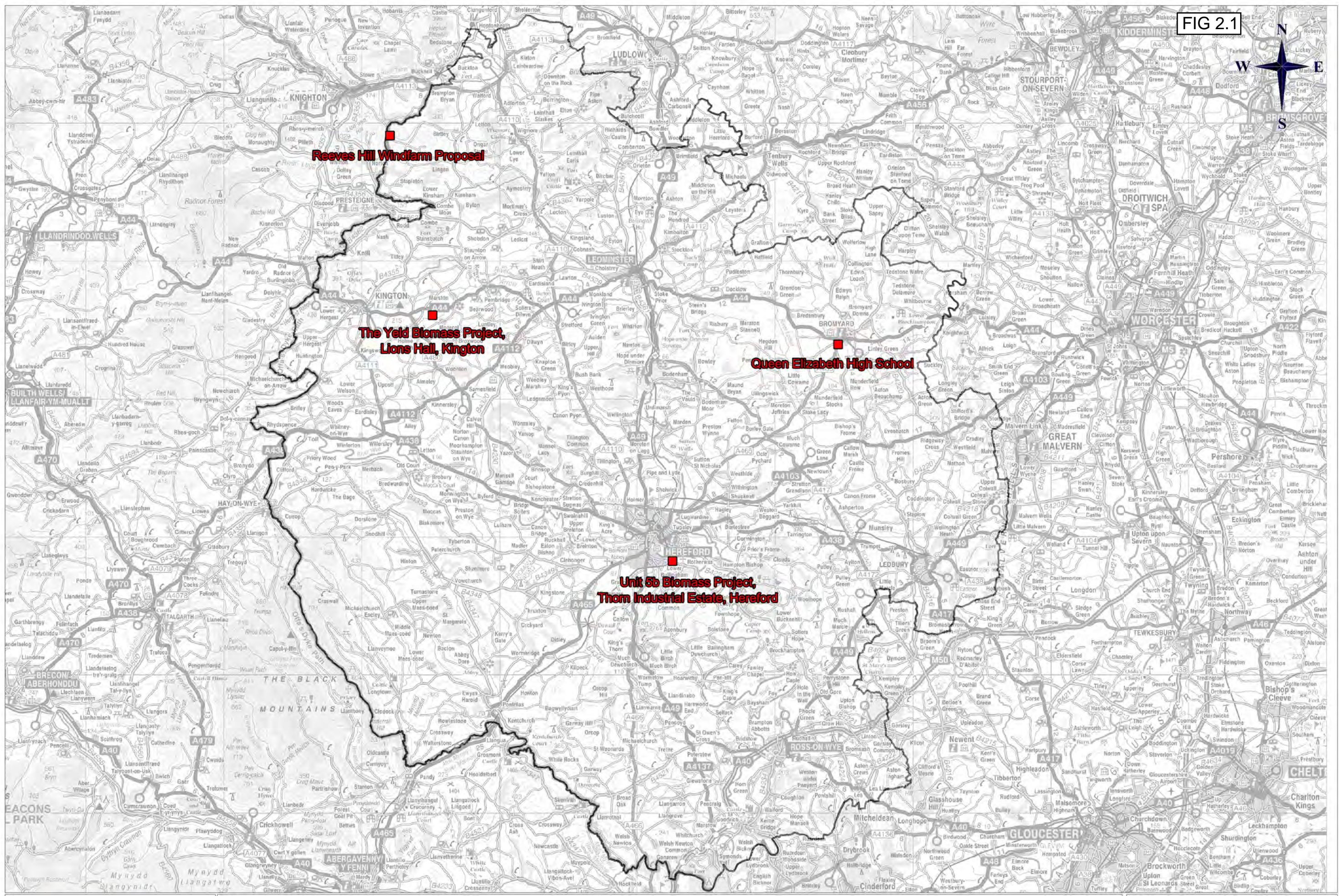


FIG 2.1



Scale: 1: 25000 @ A3

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Cornwall, TR3 6EH

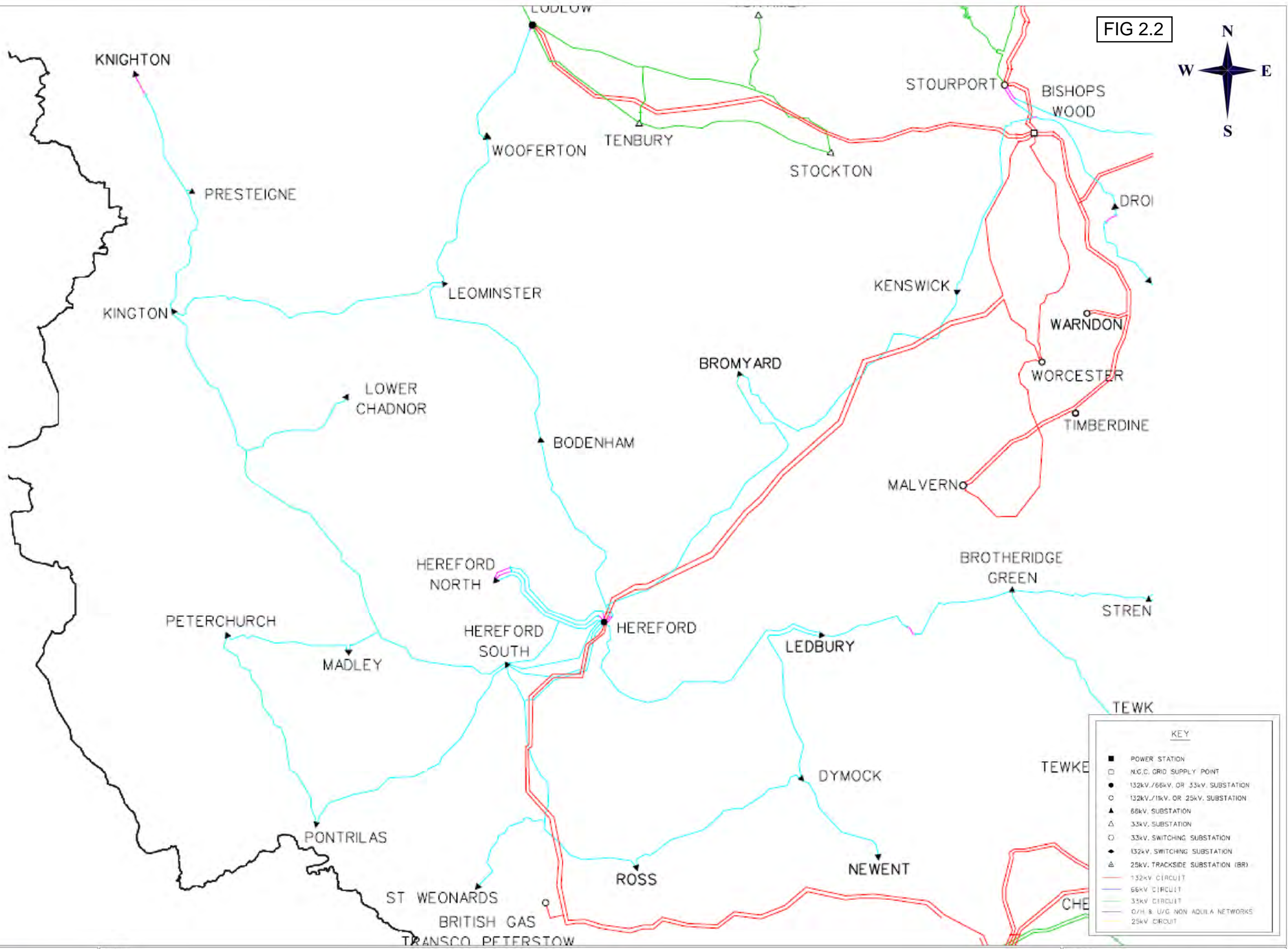
Tel: +44 (0) 1872 560738
Fax: +44 (0) 1872 561079
w@wardell-armstrong.com

Registered Office: Henry Doulton, Forge Lane, Ebrina, Stoke-on-Trent, ST1 3BD, United Kingdom

348600 245900 Landranger Map: 149 - OS 100K Ref: 50

Title: Herefordshire Renewables Map Existing and Proposed Installations Based on the RESTAT's database	
Project Ref: 42-0347	Dwg Ref: HRD5HR_RENEW_420347
Drawn: S.Allen	Date: 23 Aug 2010
Checked: S.Clarke	Date: 23 Aug 2010
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FIG 2.2



KEY	
■	POWER STATION
□	N.G.C. GRID SUPPLY POINT
●	132kV./66kV. OR 33kV. SUBSTATION
○	132kV./11kV. OR 25kV. SUBSTATION
▲	66kV. SUBSTATION
△	33kV. SUBSTATION
◊	33kV. SWITCHING SUBSTATION
◆	132kV. SWITCHING SUBSTATION
⚡	25kV. TRACKSIDE SUBSTATION (BR)
— (Red)	132kV. CIRCUIT
— (Blue)	66kV. CIRCUIT
— (Green)	33kV. CIRCUIT
— (Yellow)	O/H & U/G NON AQUILA NETWORKS
— (Yellow)	25kV. CIRCUIT

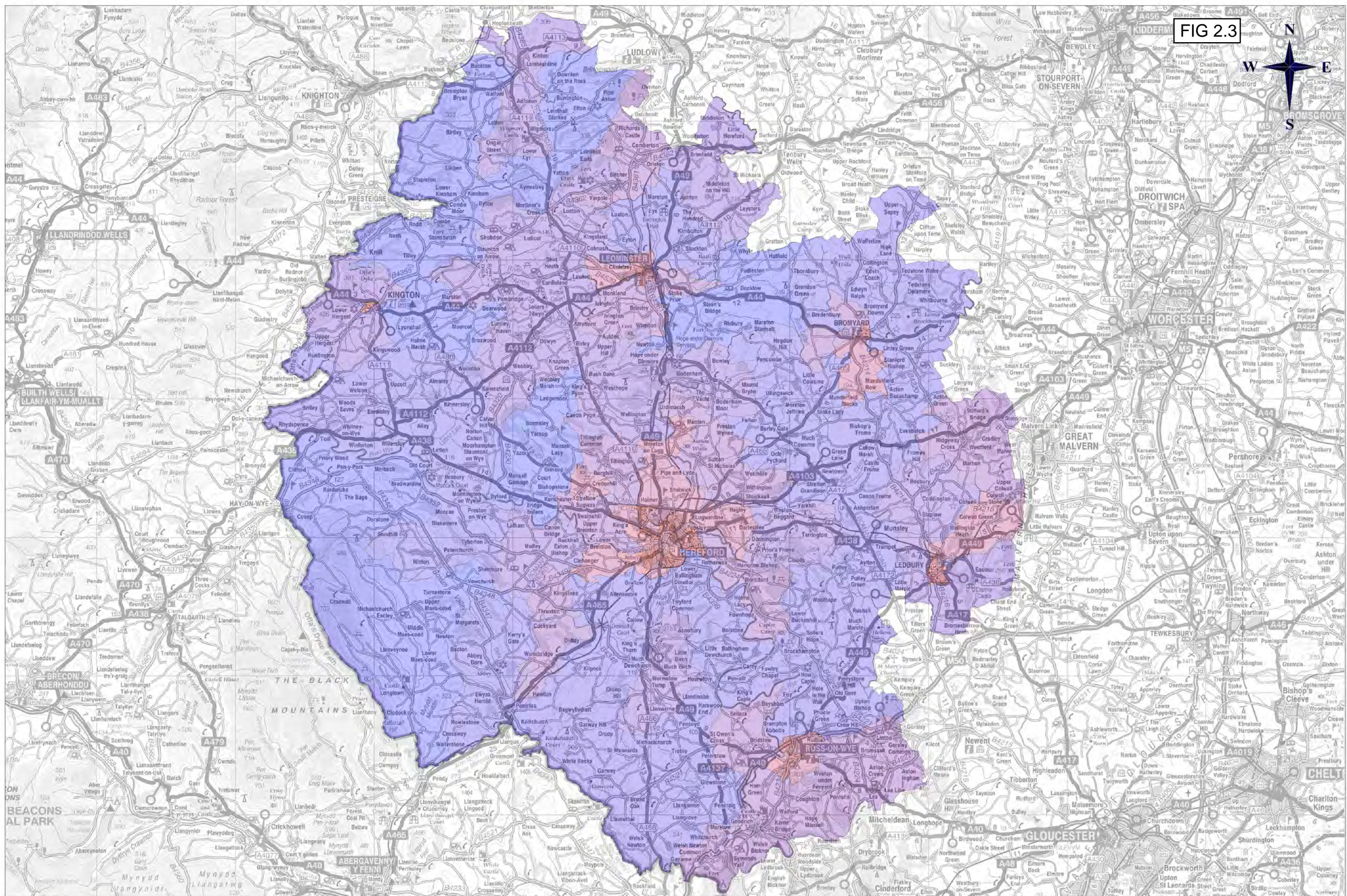
Scale: Not to Scale

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Drawing Notes	
348600 245900	Landranger Map:149 - OS 100K Ref: 50
Registered Office: Henry Doulton, Forge Lane, Ethrux, Stoke-on-Trent, ST1 9DU, United Kingdom	

Title	
Schematic Layout of Herefordshire Electric Grid (extract from Central Networks West's Long Term Development Statement 2005-2010)	
Project Ref: 42-0347	Dwg. Ref: HRDSHR_ELECGRID_420347
Drawn: S.Allen	Date: 23 Aug 2010
Checked: S.Clarke	Date: 23 Aug 2010
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FIG 2.3



Scale: 1: 250000 @ A3

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wa@wardell-armstrong.com

348600 245900

Domestic Heat Demand
MWh/km²

- 25,000 to 60,000 (13)
- 20,000 to 25,000 (22)
- 10,000 to 20,000 (15)
- 1,000 to 10,000 (20)
- 500 to 1,000 (21)
- 350 to 500 (17)
- 250 to 350 (20)
- 0 to 250 (7)

Project Ref: 42-0347
Drawn: S.Allen
Checked: S.Clarke

Herefordshire Heat Map
Domestic Heat Demand per km²
County-wide based on Halcrow data

Drg Ref: HRD_SHR_HALCW_DOM_420347
Date: 23 Aug 2010

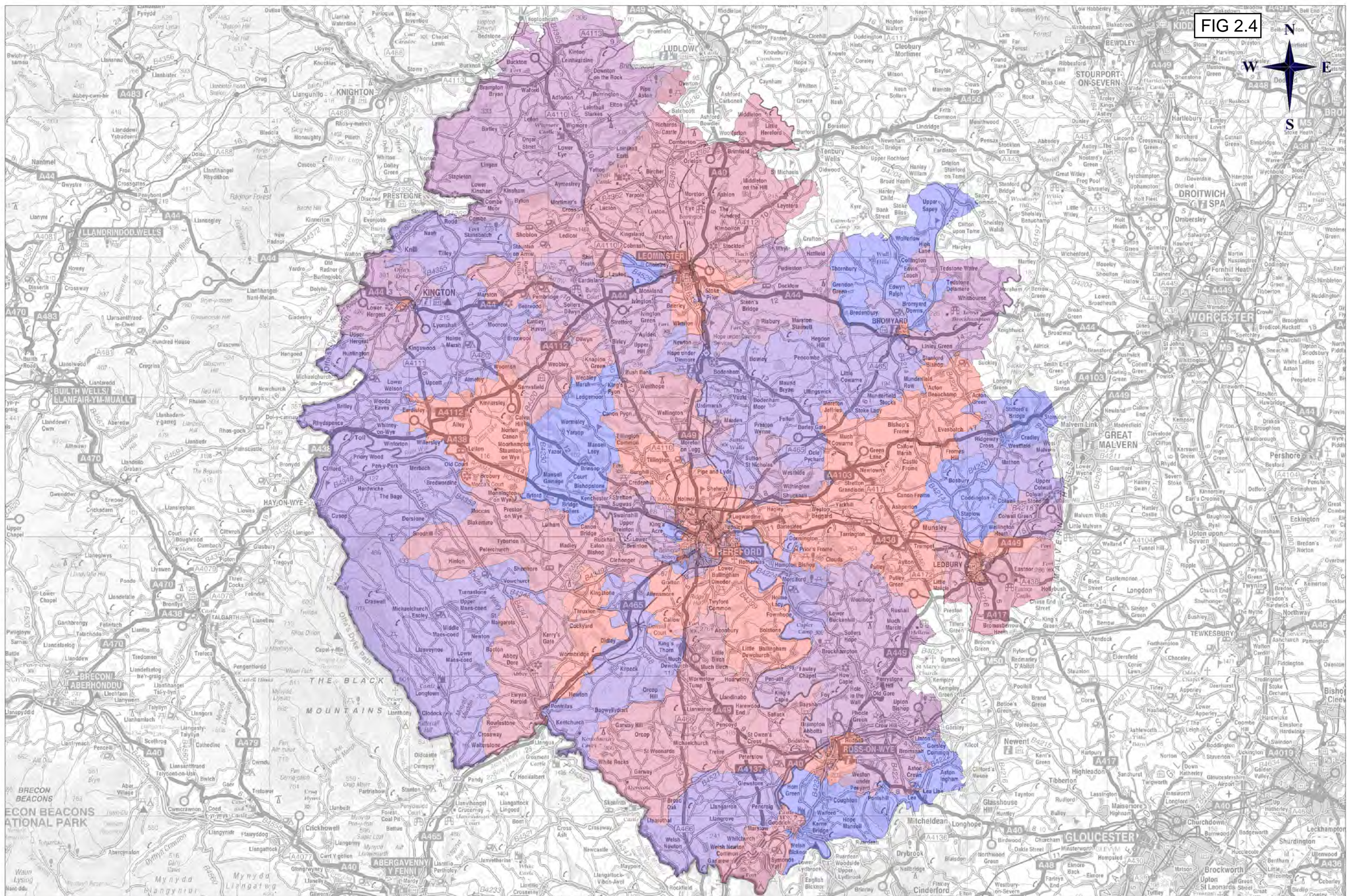
Map Ref: Landranger Map:149 - OS 100K Ref: 50
Date: 23 Aug 2010

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A3 LANS

FIG 2.4



Scale: 1:25000 @ A3

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Drawing Notes

348600 245900 Map Ref: Landranger Map:149 - OS 100K Ref: 50

Non Domestic Heat Demand
MWh/km²

- 50,000 to 126,000 (10)
- 20,000 to 50,000 (13)
- 10,000 to 20,000 (12)
- 7,500 to 10,000 (9)
- 5,000 to 7,500 (22)
- 2,500 to 5,000 (25)
- 1,000 to 2,500 (24)
- 0 to 1,000 (20)

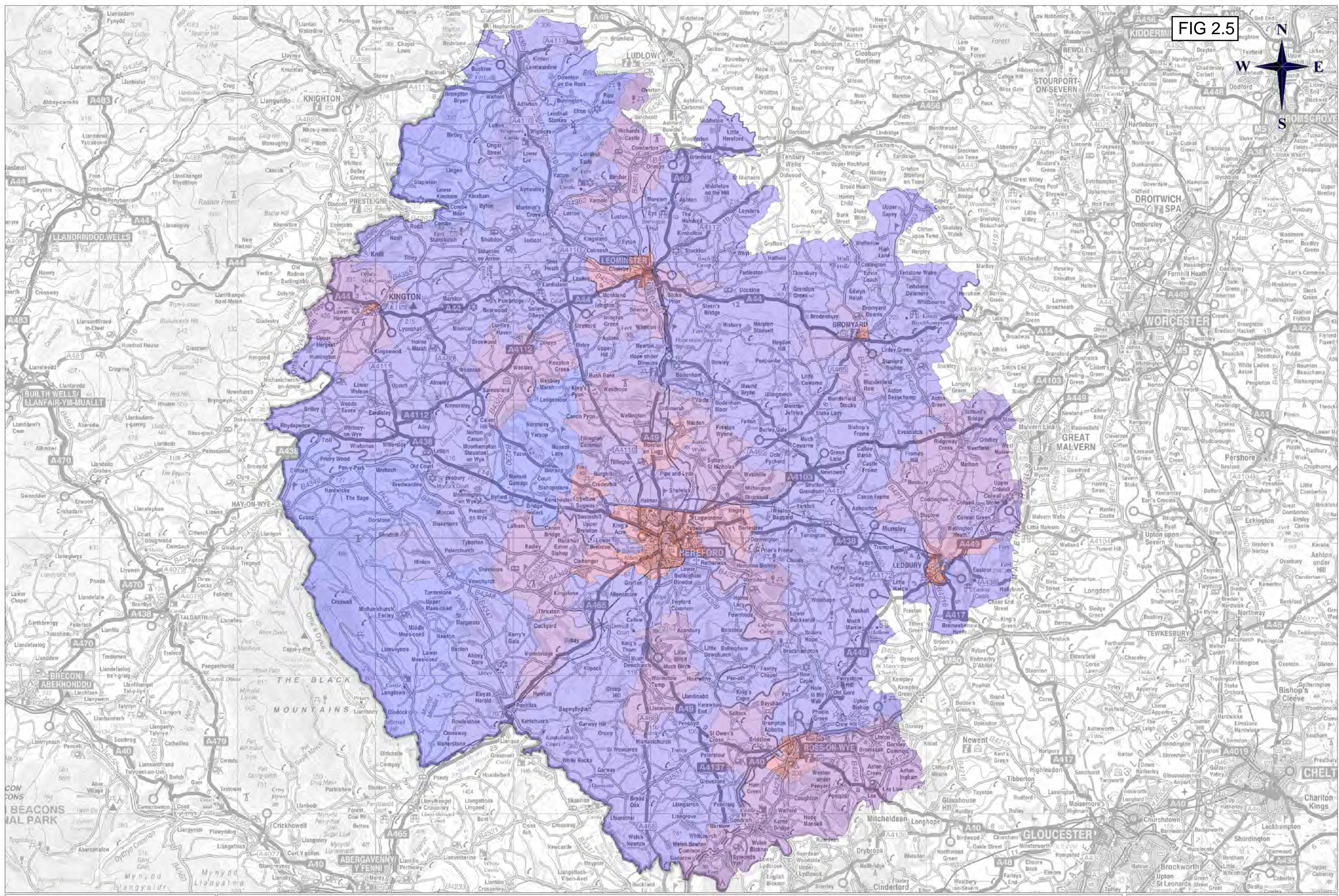
Herefordshire Heat Map
Non-Domestic Heat Demand per km²
County-wide based on Halfcrop data

Project Ref: 42-0347 Drg Ref: HRD5HR_HALCV_NONDOM_420347

Drawn: S.Allen Date: 23 Aug 2010
Checked: S.Clarke Date: 23 Aug 2010

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FIG 2.5



Scale: 1: 25000 @ A3

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INS Ref: 348600 245900 Map Ref: Landranger Map:149 - OS 100K Ref: 50

Domestic Electricity Demand
MWh/y/km²

- 7.500 to 15.000 (19)
- 2.500 to 7.500 (27)
- 1.000 to 2.500 (9)
- 300 to 1.000 (11)
- 200 to 300 (9)
- 100 to 200 (25)
- 50 to 100 (30)
- 0 to 50 (5)

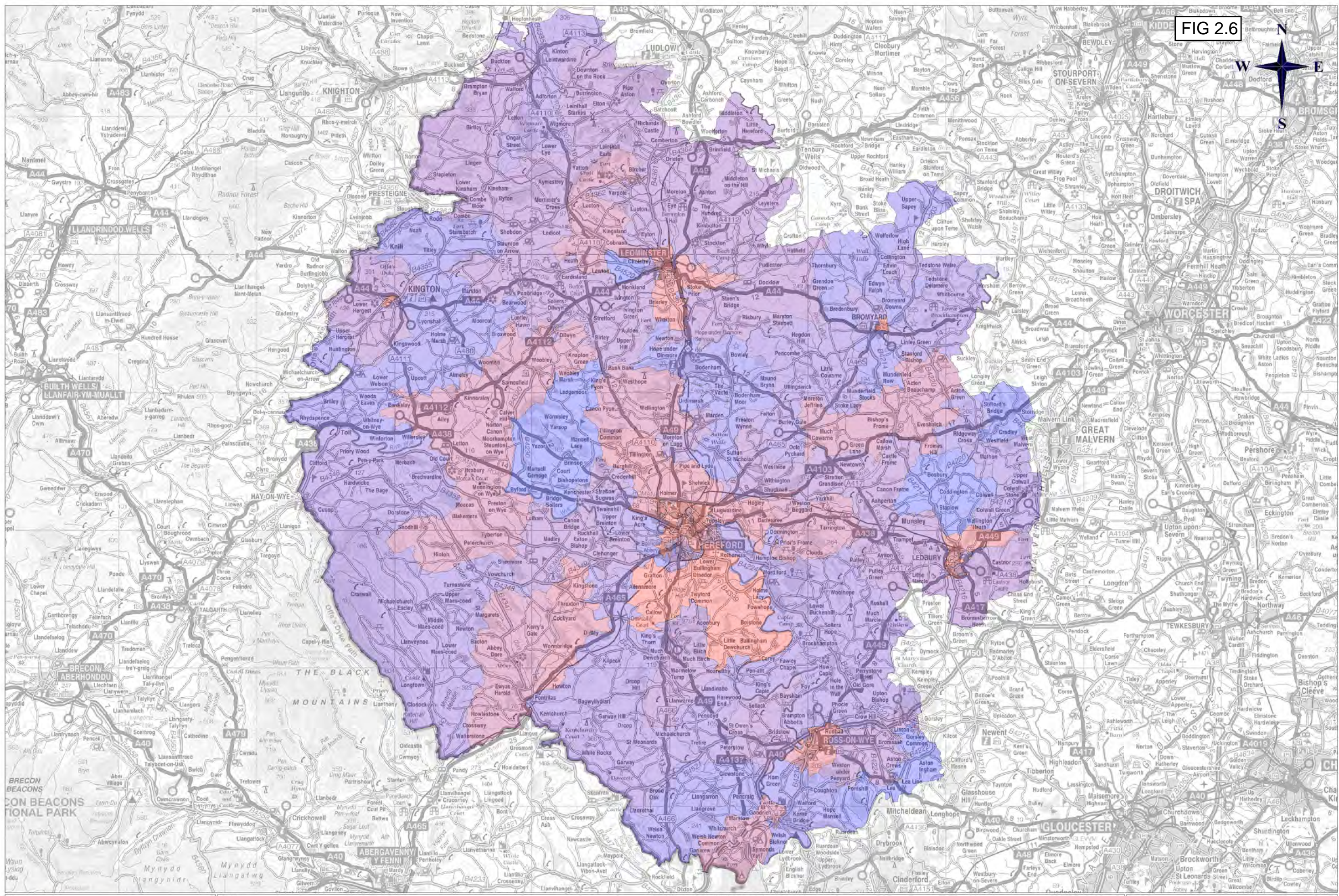
Herefordshire Electric Map
Domestic Electricity Demand per km²
County-wide based on Halcrow data

Project Ref: 42-0347 Drg Ref: HRD5HR_HALCWO_DOMELEC_420347

Drawn: S.Allen Date: 23 Aug 2010
Checked: S.Clarke Date: 23 Aug 2010

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FIG 2.6



Scale: 1:25000 @ A3

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w@wardell-armstrong.com

INS Ref: 348600 245900 Map Ref: Landranger Map:149 - OS 100K Ref: 50

**Non Domestic Electricity Demand
MWh/km²**

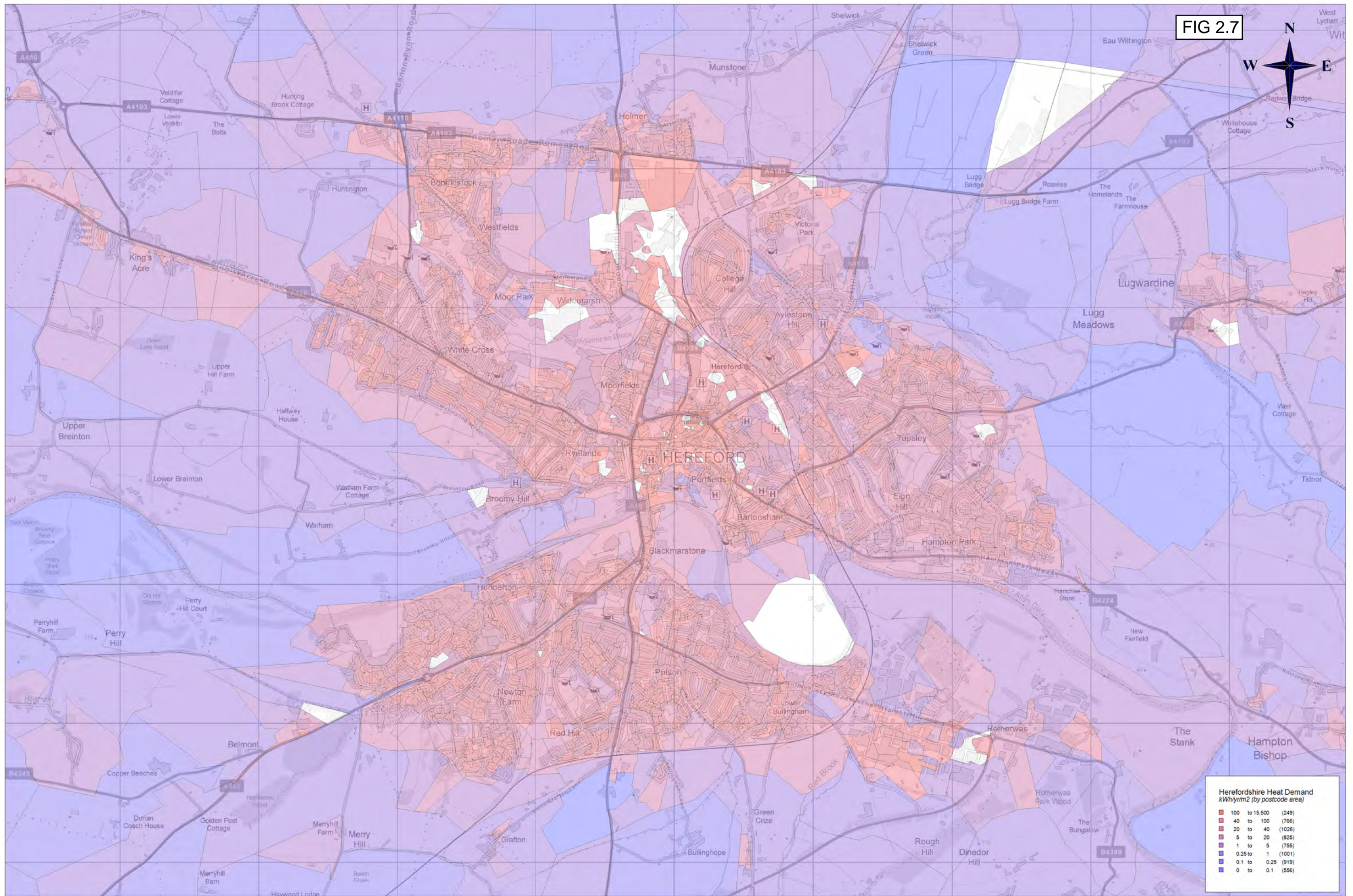
25,000 to 88,500 (16)
10,000 to 25,000 (11)
5,000 to 10,000 (14)
3,000 to 5,000 (17)
2,000 to 3,000 (24)
1,000 to 2,000 (20)
500 to 1,000 (18)
0 to 500 (15)

Herefordshire Electric Map
Non-Domestic Electricity Demand per km²
County-wide based on Halrow data

Project Ref: 42-0347	Dwg Ref: HRD_SHR_HALCW_NDELEC_420347
Drawn: S.Allen	Date: 23 Aug 2010
Checked: S.Clarke	Date: 23 Aug 2010

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FIG 2.7



Herefordshire Heat Demand
kWh/m² (by postcode area)

100 to 15,500	(249)
40 to 100	(766)
20 to 40	(1026)
5 to 20	(825)
1 to 5	(785)
0.25 to 1	(1001)
0.1 to 0.25	(919)
0 to 0.1	(556)

Scale: 1:25000 @ A3

Drawing Notes

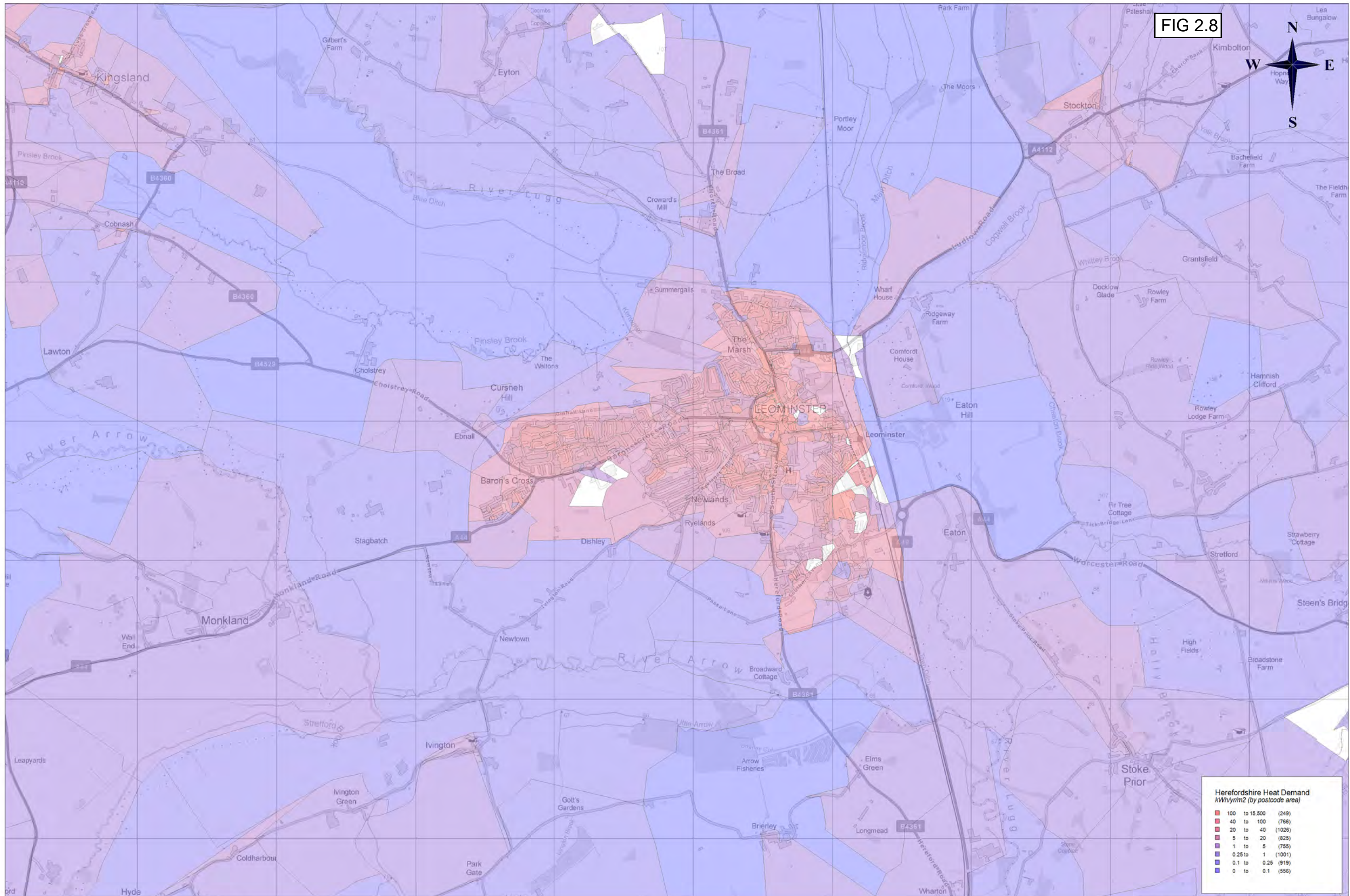


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351010 239960
Landranger Map:149 - OS 100K Ref: 50

Title	
Herefordshire Heat Map Total Heat Demand Hereford	
Project Ref	Dwg. Ref
42-0347	HRFD_TOHDD_420347
Drawn	Date
S.Allen	26 Aug 2010
Checked	Date
S.Clarke	26 Aug 2010

FIG 2.8



**Herefordshire Heat Demand
kWh/m² (by postcode area)**

100 to 15,500	(249)
40 to 100	(766)
20 to 40	(1026)
5 to 20	(825)
1 to 5	(755)
0.25 to 1	(1001)
0.1 to 0.25	(919)
0 to 0.1	(556)

Scale: 1:250000 @ A3 0 1 km



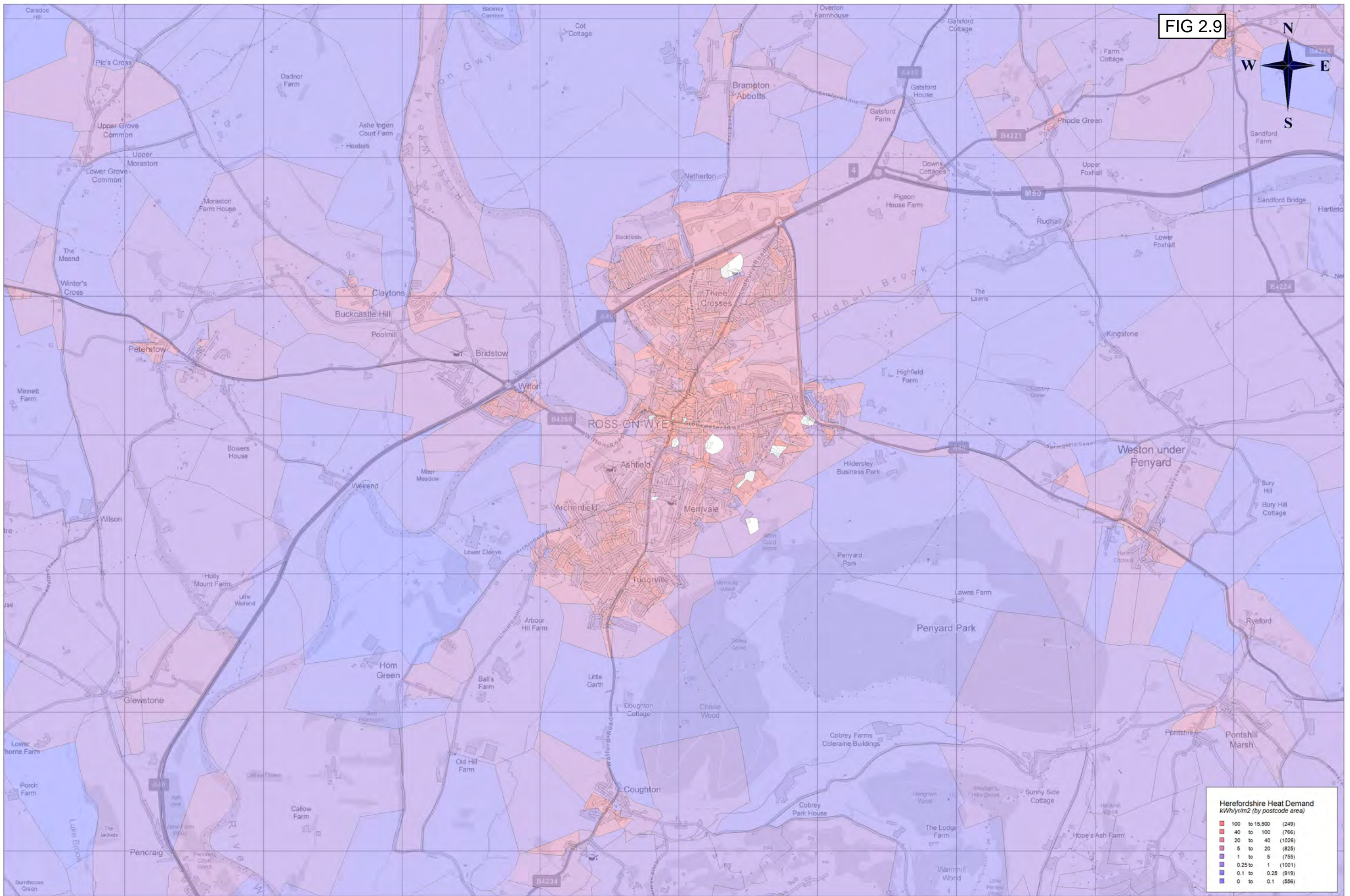
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Cornwall, TR3 6EH
Tel: +44 (0) 1872 560738
Fax: +44 (0) 1872 561079
w@wardell-armstrong.com

Drawing Notes

Client: Herefordshire Council
Map Ref: Landranger Map:148/149 - OS 100K Ref: SO
348880 258790
Registered Office: Henry Doulton, Forge Lane, Ethruxa, Stoke-on-Trent, ST1 3BD, United Kingdom

Title: Herefordshire Heat Map Total Heat Demand Leominster	
Project Ref: 42-0347	Dwg. Ref: LEOM_RESED_420347
Drawn: S.Allen	Date: 26 Aug 2010
Checked: S.Clarke	Date: 26 Aug 2010

FIG 2.9



Herefordshire Heat Demand kWh/m2 (by postcode area)

100 to 15,500	(249)
40 to 100	(766)
20 to 40	(1026)
5 to 20	(825)
1 to 5	(755)
0.25 to 1	(1001)
0.1 to 0.25	(919)
0 to 0.1	(556)

Scale: 1:250000 @ A3



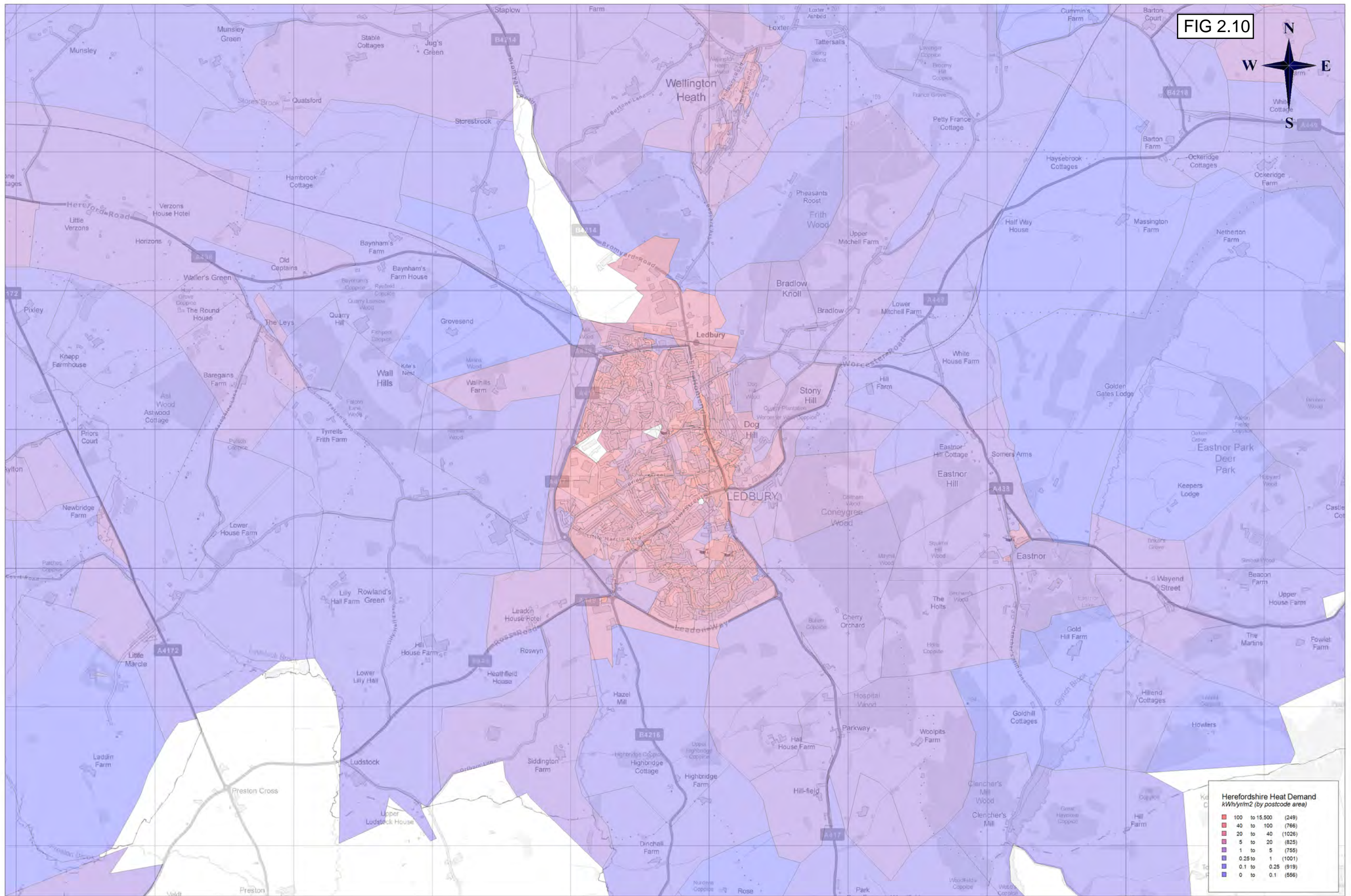
Wardell Armstrong International
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 Fax: +44 (0) 1872 561079
 wai@wardell-armstrong.com

Drawing Notes

359960 223890
 Landranger Map:162 - OS 100K Ref: 50

Title: Herefordshire Heat Map Total Heat Demand Ross-on-Wye	
Project Ref: 42-0347	Dwg. Ref: ROSS_TOTHD_420347
Drawn: S.Allen	Date: 26 Aug 2010
Checked: S.Clarke	Date: 26 Aug 2010

FIG 2.10



Herefordshire Heat Demand kWh/m2 (by postcode area)

100 to 15,500	(249)
40 to 100	(766)
20 to 40	(1026)
5 to 20	(825)
1 to 5	(755)
0.25 to 1	(1001)
0.1 to 0.25	(919)
0 to 0.1	(556)

Scale: 1:250000 @ A3



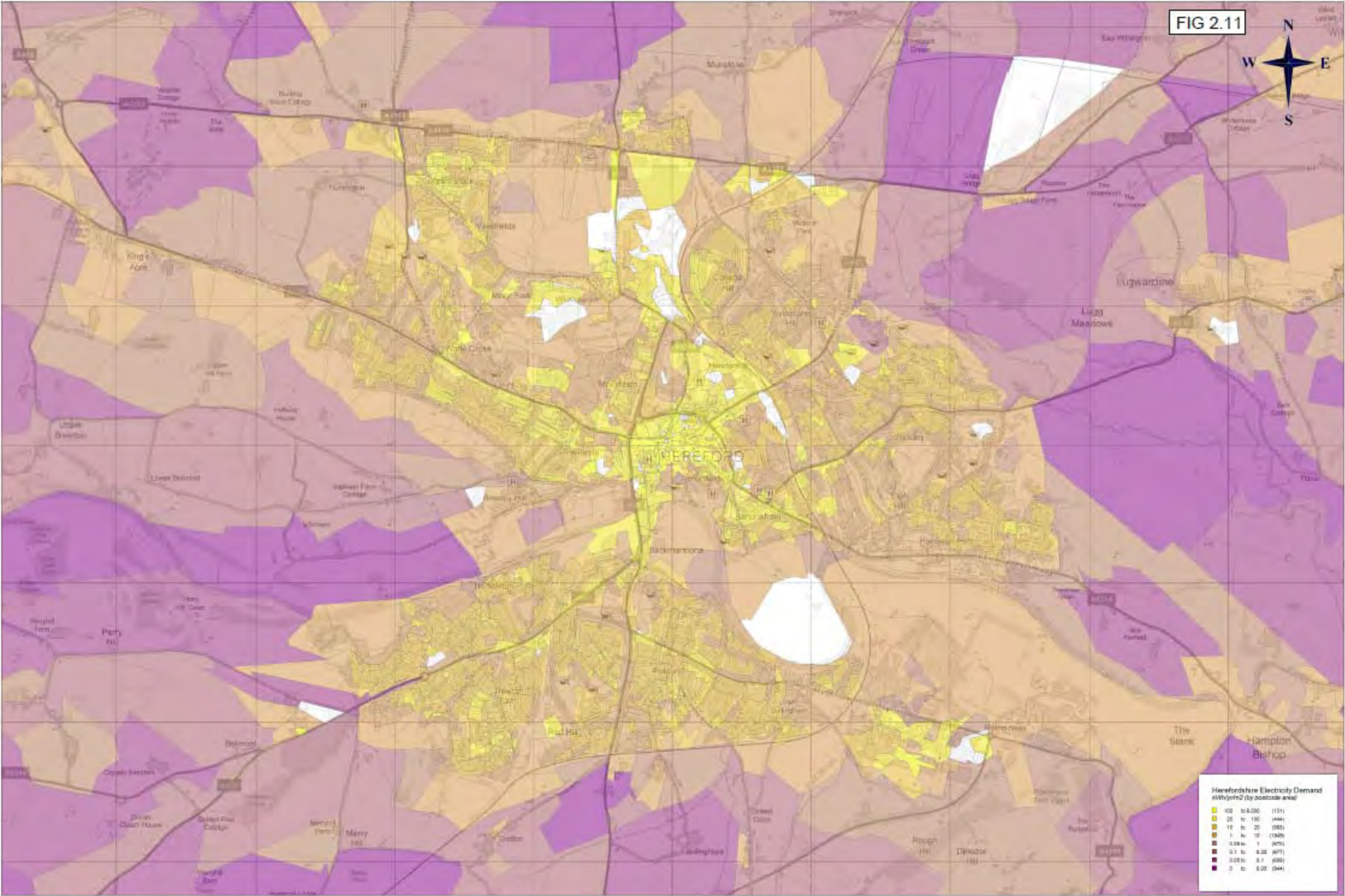
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 wai@wardell-armstrong.com

Drawing Notes

IRIS Ref: 370750 237850
 Map Ref: Landranger Map:149 - OS 100K Ref: SO
 Registered Office: Henry Doulton, Forge Lane, Elnura, Stoke-on-Trent, ST1 9ED, United Kingdom

Title	
Herefordshire Heat Map Total Heat Demand Ledbury	
Project Ref:	Dwg. Ref:
42-0347	LED_TOTHD_420347
Drawn:	Date:
S.Allen	26 Aug 2010
Checked:	Date:
S.Clarke	26 Aug 2010

FIG 2.11



Herefordshire Electricity Demand kWh/yr/m2 (by postcode area)

100 to 1500	131
20 to 100	144
10 to 20	982
1 to 10	1300
0.50 to 1	870
0.1 to 0.25	4071
0.05 to 0.1	5081
0 to 0.05	944

1:25000 @ A3

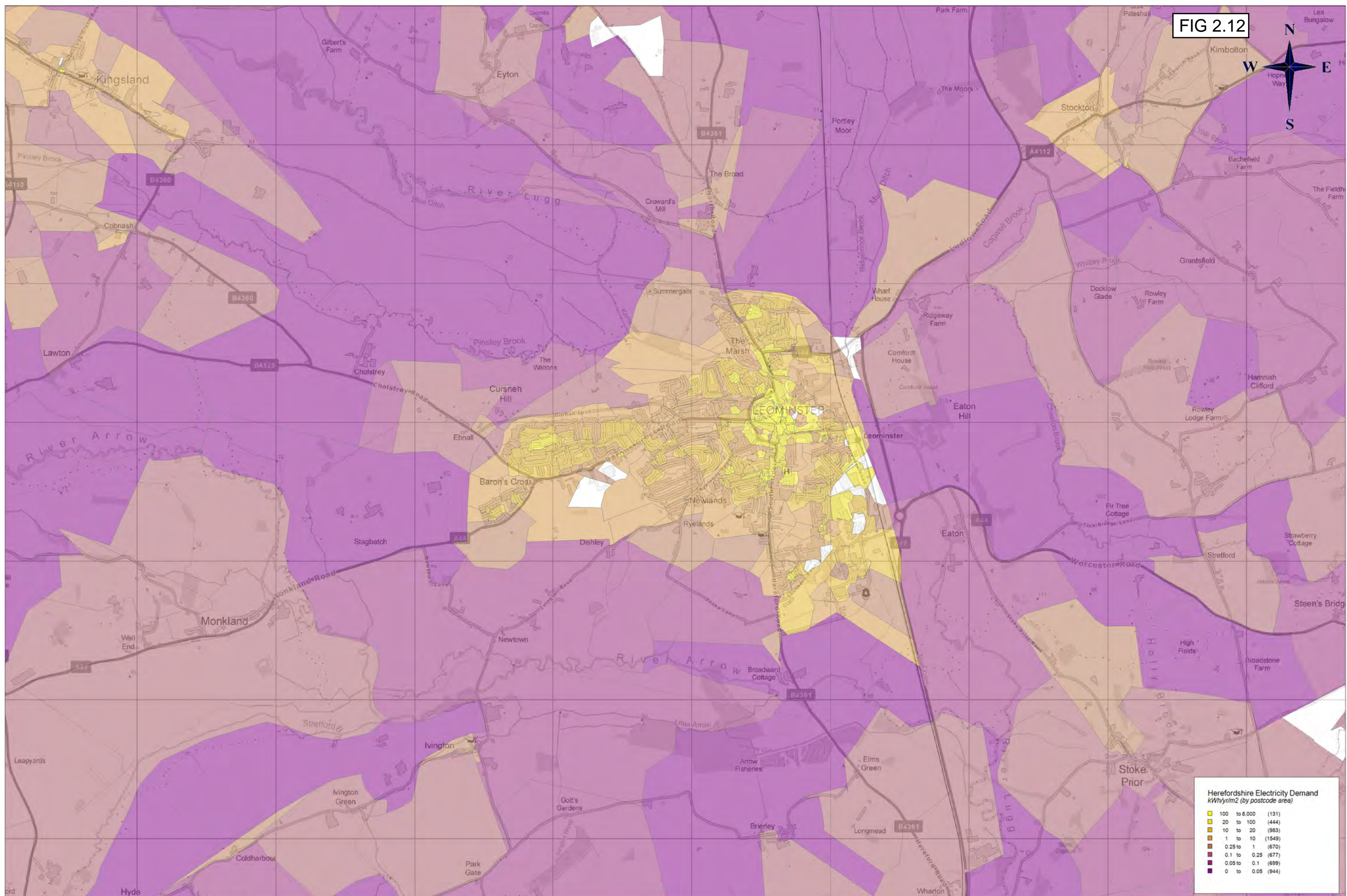


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Project: 20210 220920
 Date: 28 Aug 2020
 File: Landranger Map 148 - 05 120r def 30

Herefordshire Heat Map Total Electricity Demand Hereford			
Project No:	41-0347	File No:	HFD_TOTES_03047
Drawn:	S.Allen	Issued:	28 Aug 2020
Checked:	S.Clark	Revised:	28 Aug 2020

FIG 2.12



Herefordshire Electricity Demand kWh/yr/m2 (by postcode area)

100 to 8,000	(131)
20 to 100	(444)
10 to 20	(983)
1 to 10	(1549)
0.25 to 1	(670)
0.1 to 0.25	(677)
0.05 to 0.1	(699)
0 to 0.05	(944)

Scale: 1:250000 @ A3



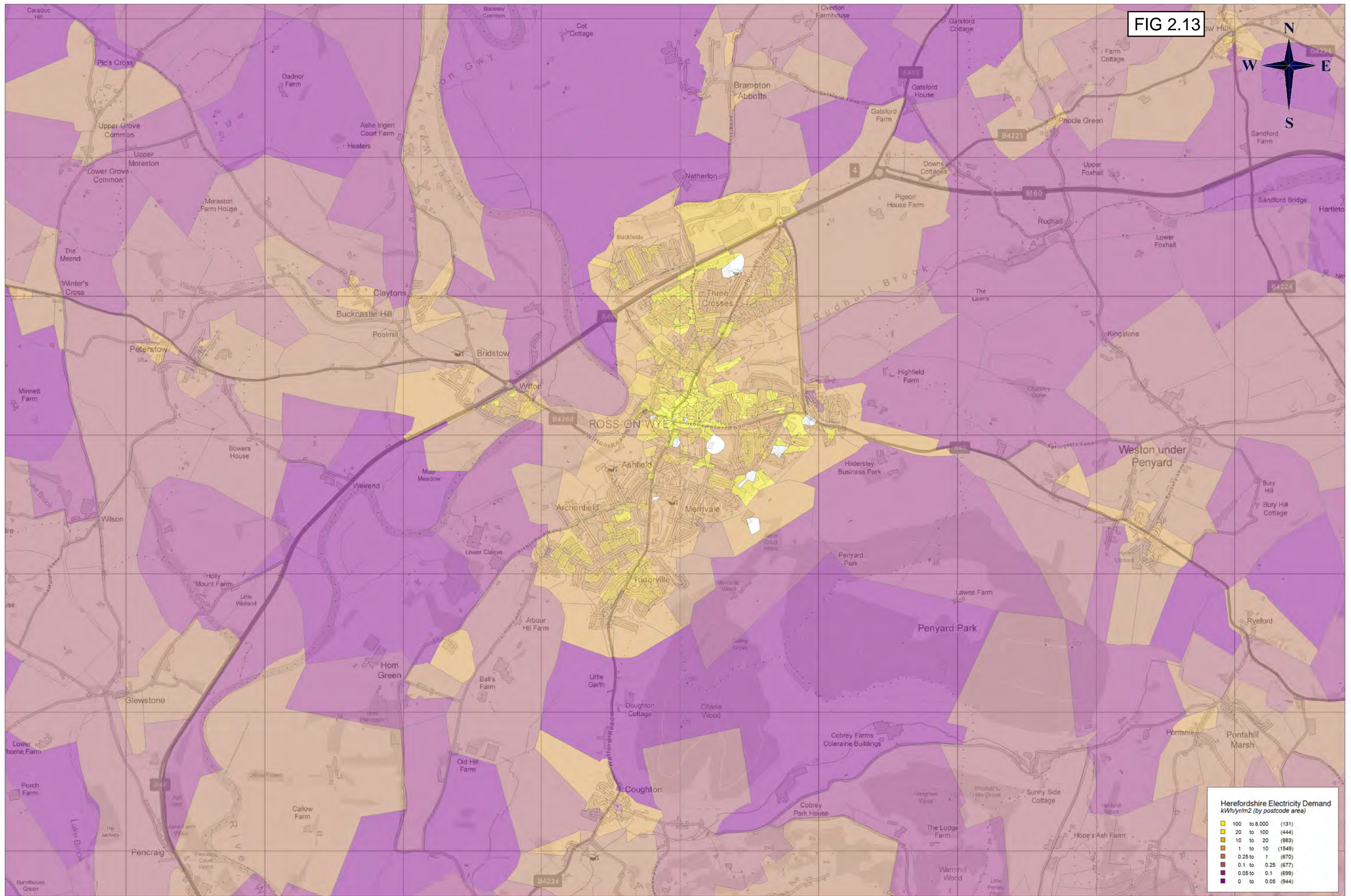
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 wai@wardell-armstrong.com

Drawing Notes

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 Landranger Map:148/149 - OS 100K Ref: 50
 Registered Office: Henry Doulton, Forge Lane, Elnura, Stoke-on-Trent, ST1 3ED, United Kingdom

Title	
Herefordshire Heat Map Total Electricity Demand Leominster	
Project Ref	Dwg. Ref
42-0347	LEOM_TOTED_420347
Drawn	Date
S.Allen	26 Aug 2010
Checked	Date
S.Clarke	26 Aug 2010

FIG 2.13



Herefordshire Electricity Demand kWh/m² (by postcode area)

100 to 8,000	(131)
20 to 100	(444)
10 to 20	(983)
1 to 10	(1549)
0.25 to 1	(670)
0.1 to 0.25	(677)
0.05 to 0.1	(699)
0 to 0.05	(944)

Scale: 1:250000 @ A3



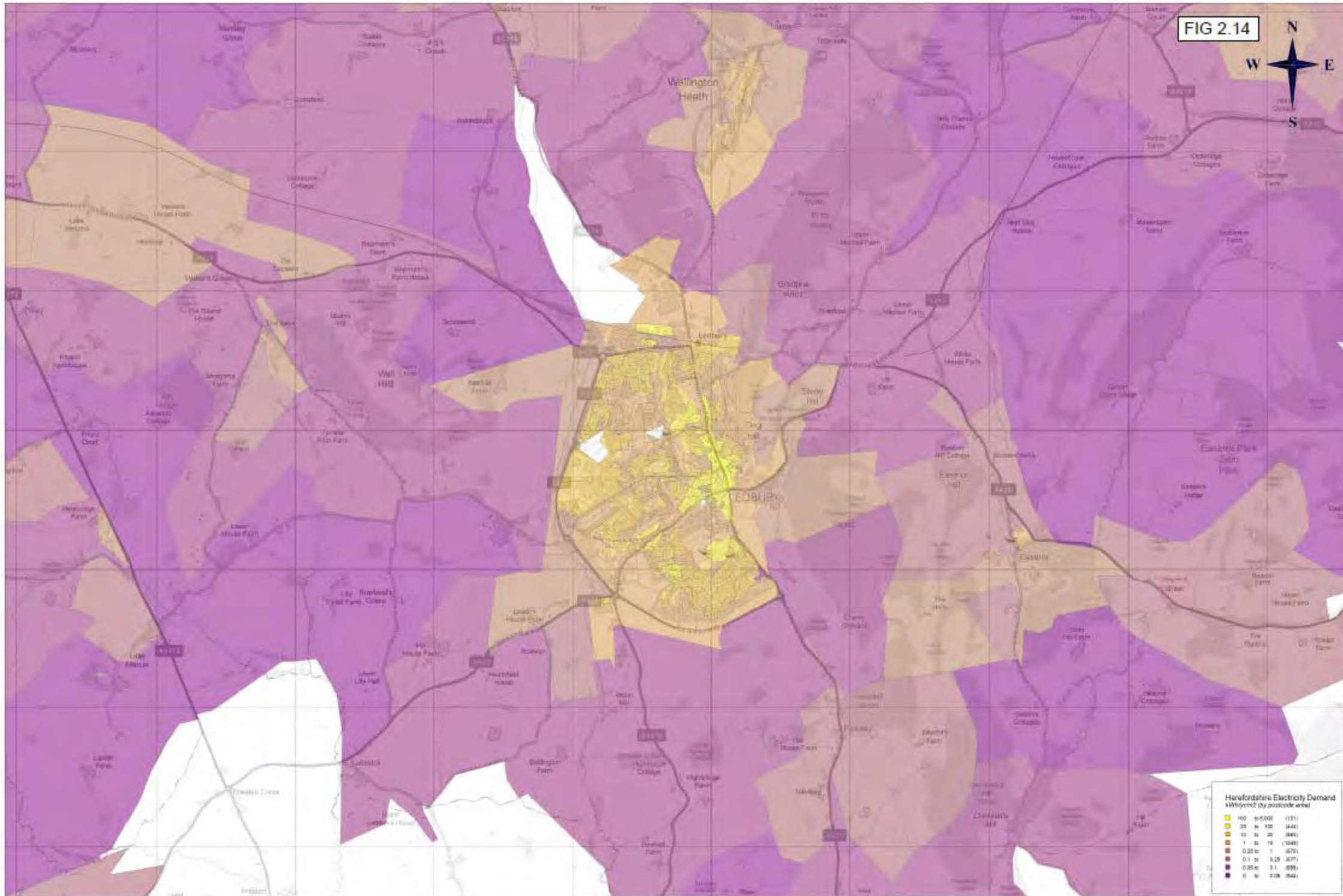
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 wai@wardell-armstrong.com

Drawing Notes

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 Landranger Map:162 - OS 100K Ref: 50
 Registered Office: Henry Doulton, Forge Lane, Elnoria, Stoke-on-Trent, ST1 9ED, United Kingdom

Title: Herefordshire Heat Map Total Electricity Demand Ross-on-Wye	
Project Ref: 42-0347	Dwg. Ref: ROSS_TOTED_420347
Drawn: S.Allen	Date: 26 Aug 2010
Checked: S.Clarke	Date: 26 Aug 2010

FIG 2.14



Herefordshire Electricity Demand
(kWh/year/2 by postcode area)

100 to 5,000	(191)
20 to 100	(444)
10 to 20	(863)
1 to 10	(1,049)
0.25 to 1	(873)
0.1 to 0.25	(877)
0.05 to 0.1	(898)
0 to 0.05	(844)

1:25000 @ A3



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232758 247850
Landranger Map 189 - DG 3306 Ref: 50

Herefordshire West Map	
Total Electricity Demand	
Leominster	
Project No:	42-0347
City No:	LED_TOTED_400947
Scale:	5:1 (in)
Author:	S.Clark
Date:	28 Aug 2002
Checked:	S.Clark
Date:	28 Aug 2002

FIG 2.15

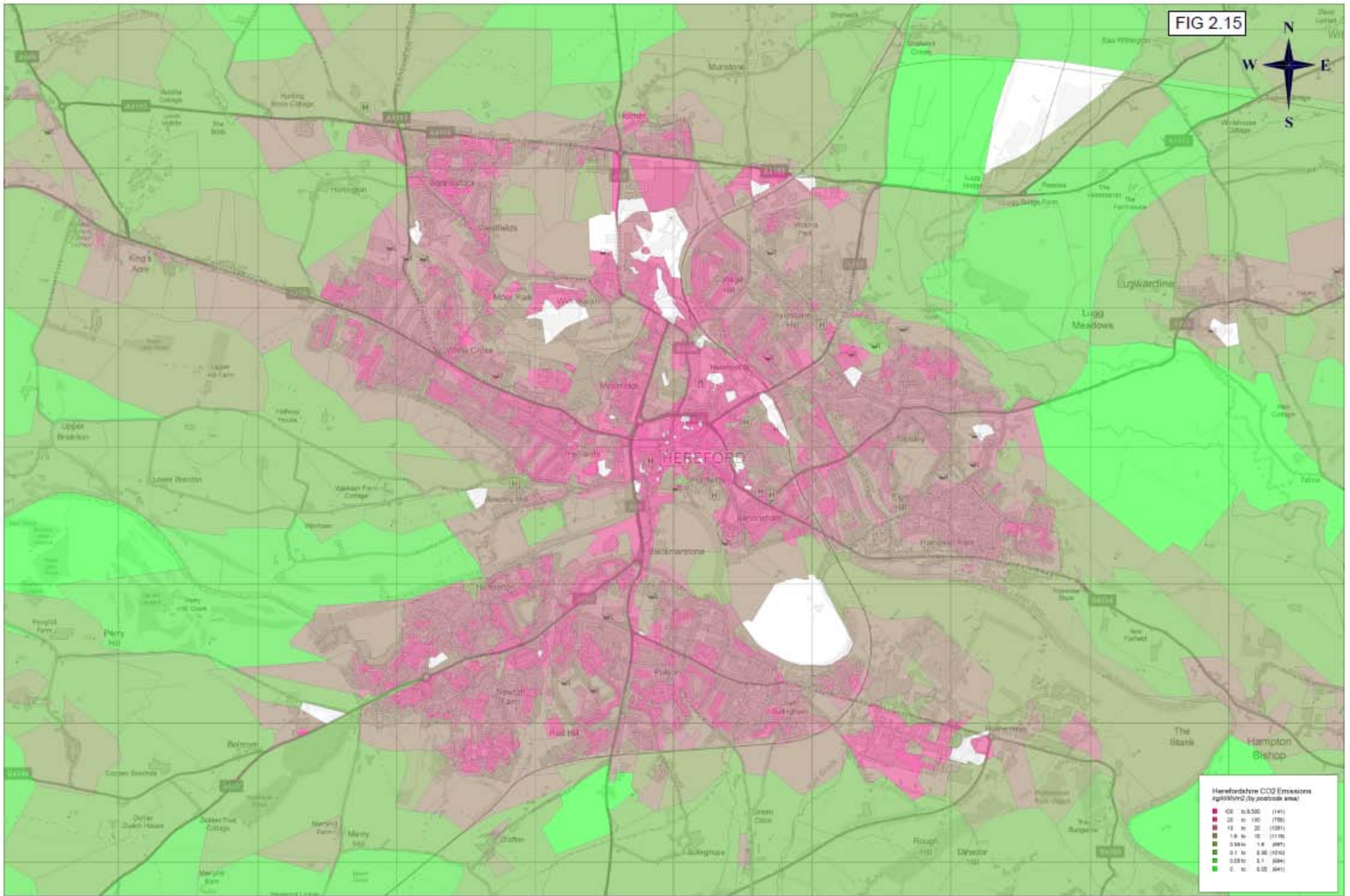
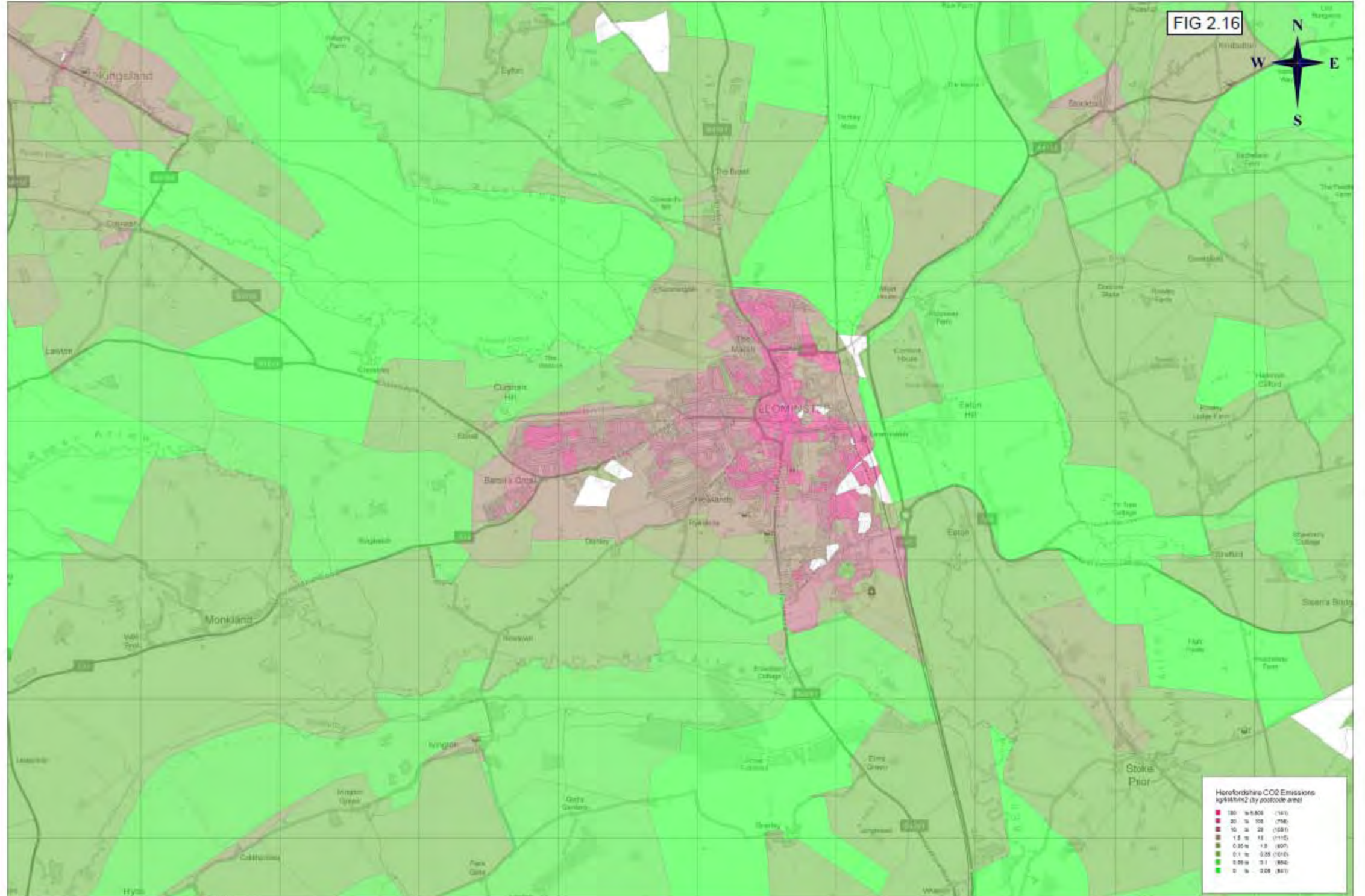


FIG 2.16



Herefordshire CO2 Emissions
kg/km² (by postcode area)

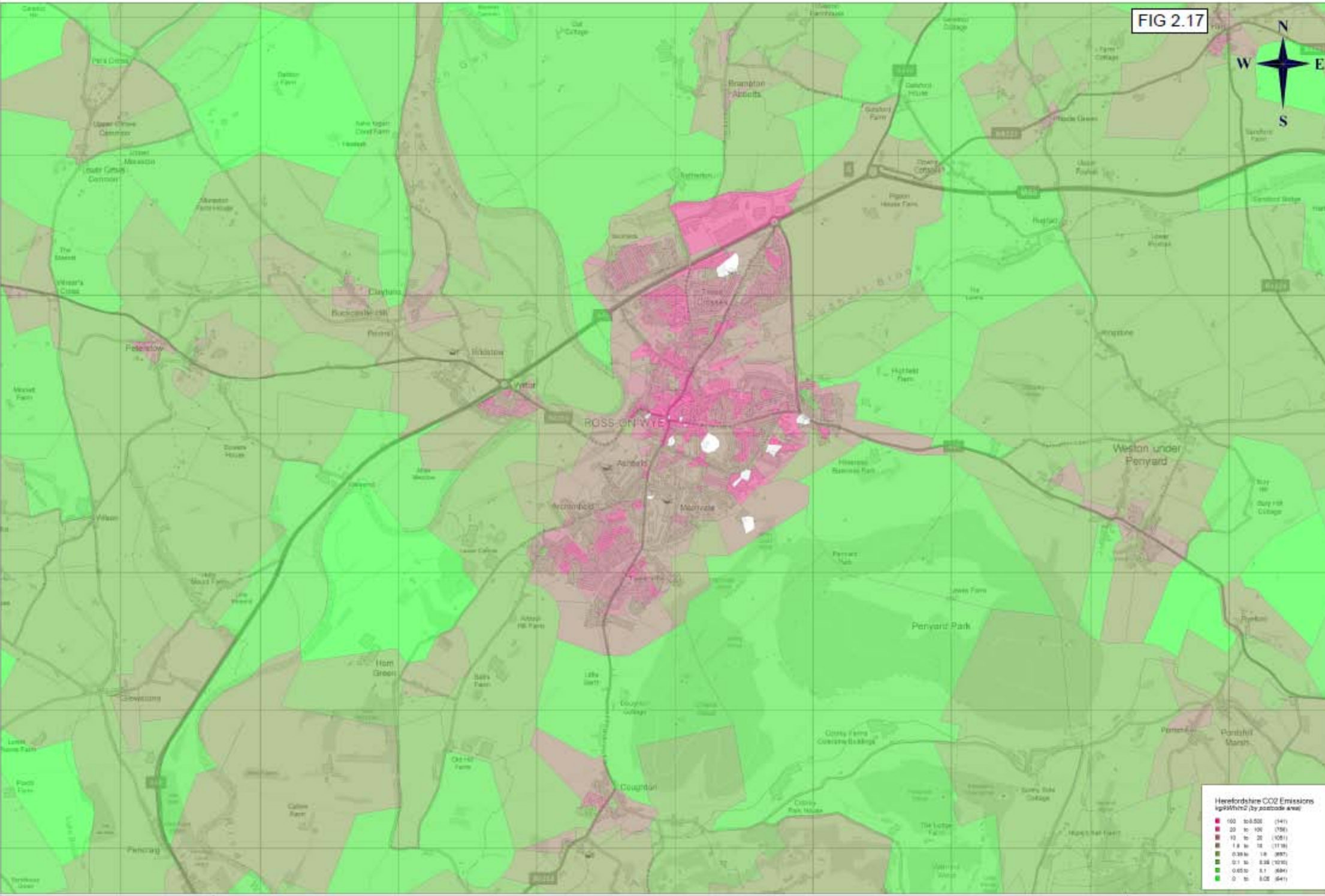
180	16,800	(141)
20	208	(176)
10	28	(238)
5	18	(115)
0.95	18	(805)
0.1	0.05	(1010)
0.05	0.1	(884)
0	0.05	(841)

1:250000 © All Rights Reserved

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Fax: +44(0) 1872 541079
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348888 256700	Landranger Map 148/149 - OS L001 Ref: 50												
<table border="1"> <tr> <th colspan="2">Herefordshire CO2 Map</th> </tr> <tr> <th colspan="2">Total CO2 Emissions</th> </tr> <tr> <th colspan="2">Leamrider</th> </tr> <tr> <td>Drawn by: 41-0347</td> <td>By: LEON_TOTCO2_420347</td> </tr> <tr> <td>Drawn: 5/Allen</td> <td>Date: 26 Aug 2000</td> </tr> <tr> <td>Checked: 5/Clarke</td> <td>Date: 26 Aug 2000</td> </tr> </table>		Herefordshire CO2 Map		Total CO2 Emissions		Leamrider		Drawn by: 41-0347	By: LEON_TOTCO2_420347	Drawn: 5/Allen	Date: 26 Aug 2000	Checked: 5/Clarke	Date: 26 Aug 2000
Herefordshire CO2 Map													
Total CO2 Emissions													
Leamrider													
Drawn by: 41-0347	By: LEON_TOTCO2_420347												
Drawn: 5/Allen	Date: 26 Aug 2000												
Checked: 5/Clarke	Date: 26 Aug 2000												

FIG 2.17



Herefordshire CO2 Emissions
kg/mWh/2 (by postcode area)

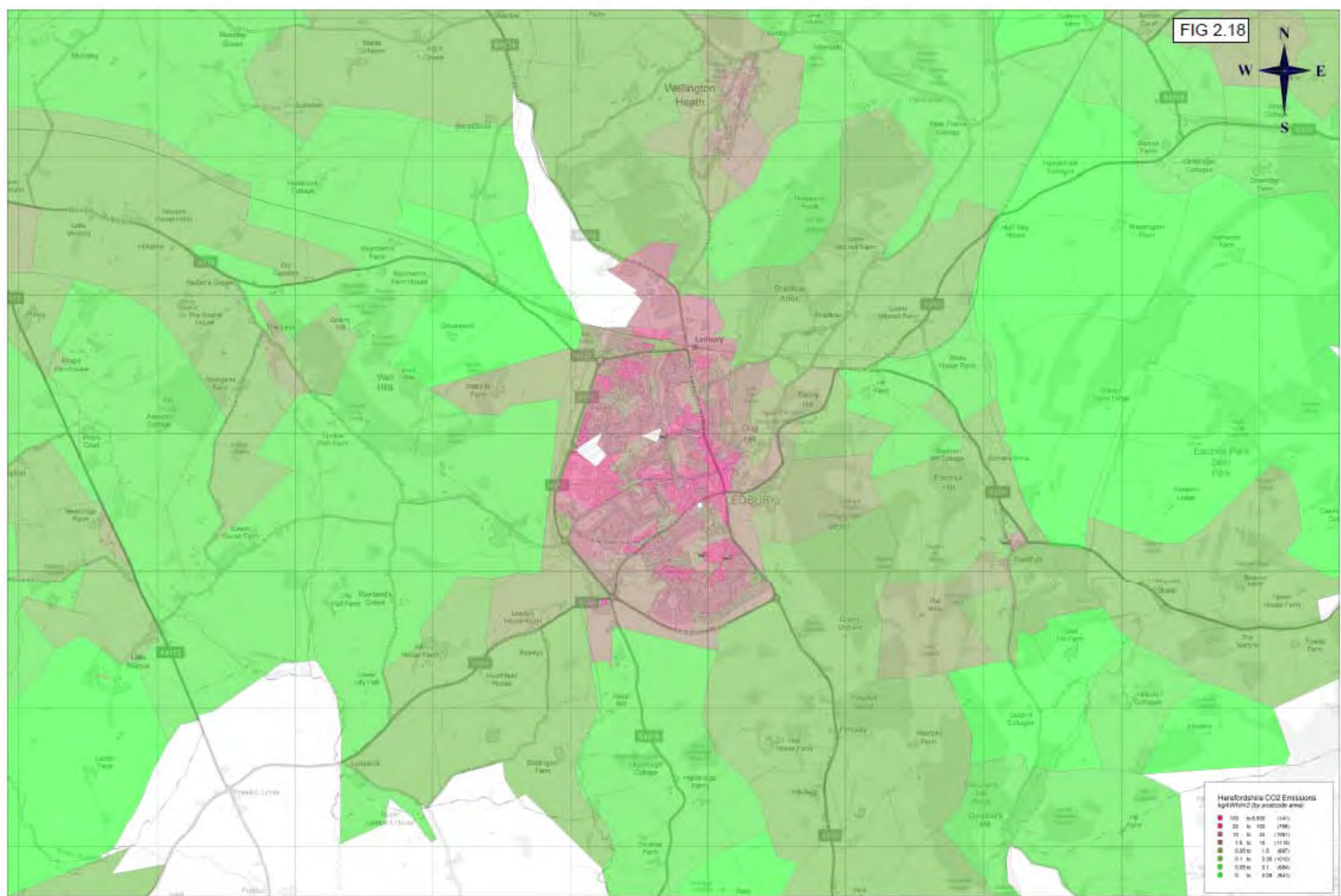
100 to 150	(141)
50 to 100	(196)
10 to 50	(1081)
1 to 10	(1138)
0.50 to 1	(3087)
0.1 to 0.50	(1000)
0.05 to 0.1	(641)
0 to 0.05	(641)

1:350000 @ A3



Figure 2.17
 Herefordshire CO2 Map
 Total CO2 Emissions
 Resource: Wye

FIG 2.18



Herefordshire CO2 Emissions
kg/mWh2 (by postcode area)

100 to 5,000	(14)
20 to 100	(78)
10 to 20	(108)
1.8 to 10	(113)
0.85 to 1.0	(697)
0.1 to 0.85	(101)
0.05 to 0.1	(684)
0 to 0.05	(84)