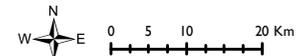
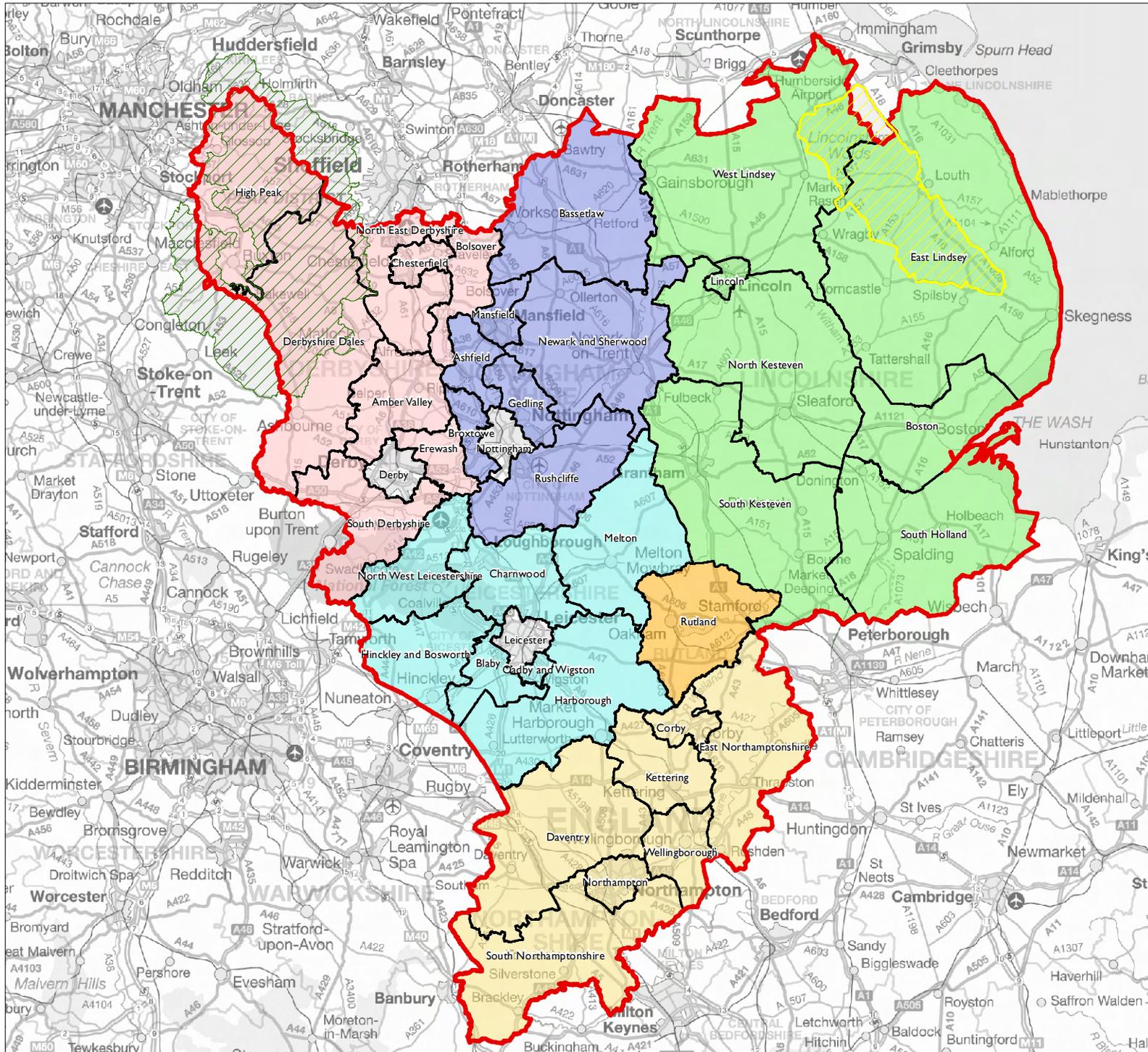


Low Carbon Energy Opportunities for Local Planning Areas across the East Midlands

Map I.1: Local Authority boundaries and protected landscapes

Key

-  East Midlands
-  Local Authority boundaries
- County boundaries
-  Derbyshire
-  Leicestershire
-  Lincolnshire
-  Northamptonshire
-  Nottinghamshire
-  Rutland
- Protected Landscapes
-  Peak District National Park
-  Lincolnshire Wolds AONB



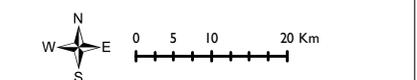
Source: Ordnance Survey, Natural England

Date: 02/03/2011



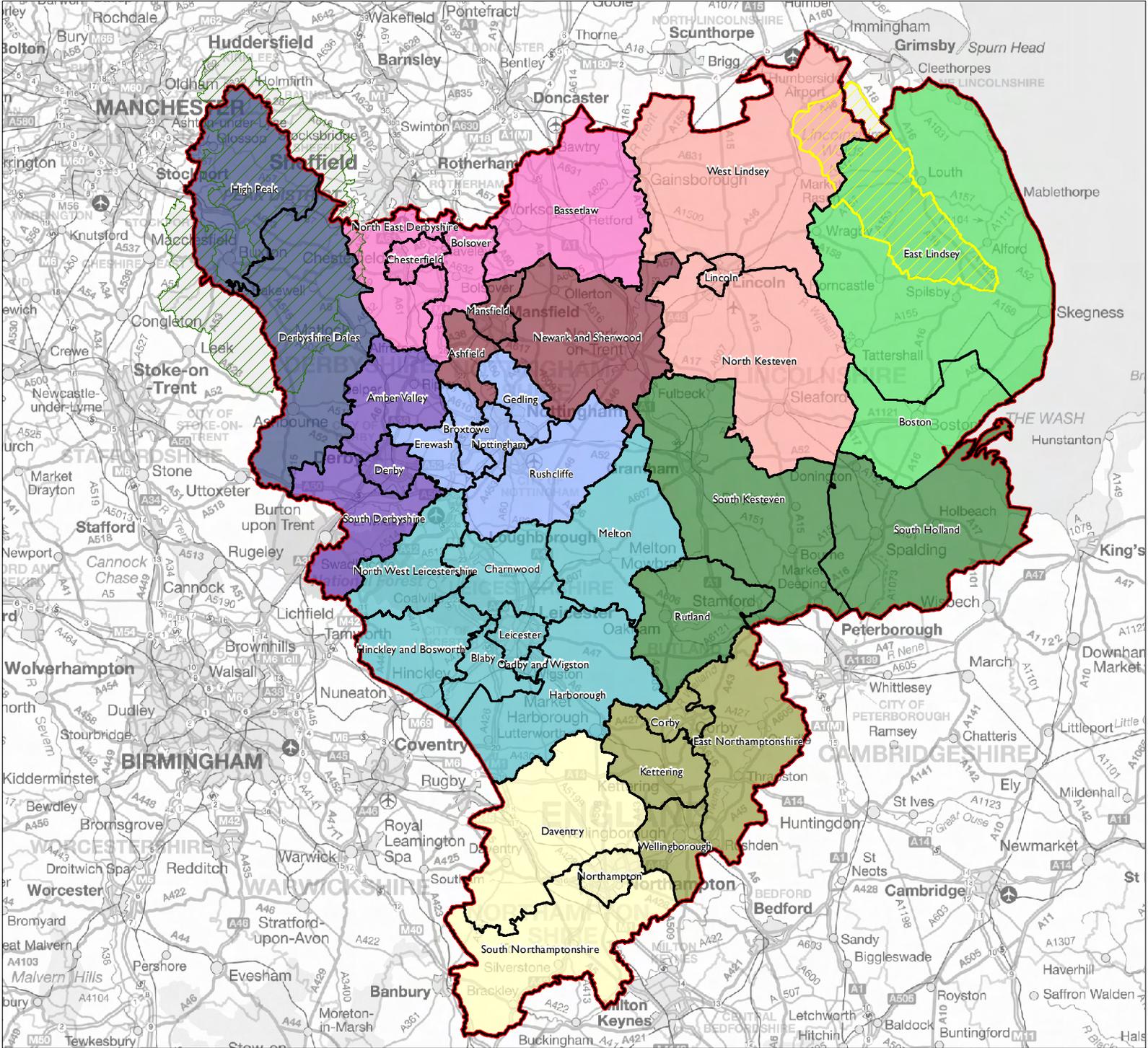
Low Carbon Energy Opportunities for Local Planning Areas across the East Midlands

Map I.2: Local Authority boundaries and Housing Market Areas (HMAs)

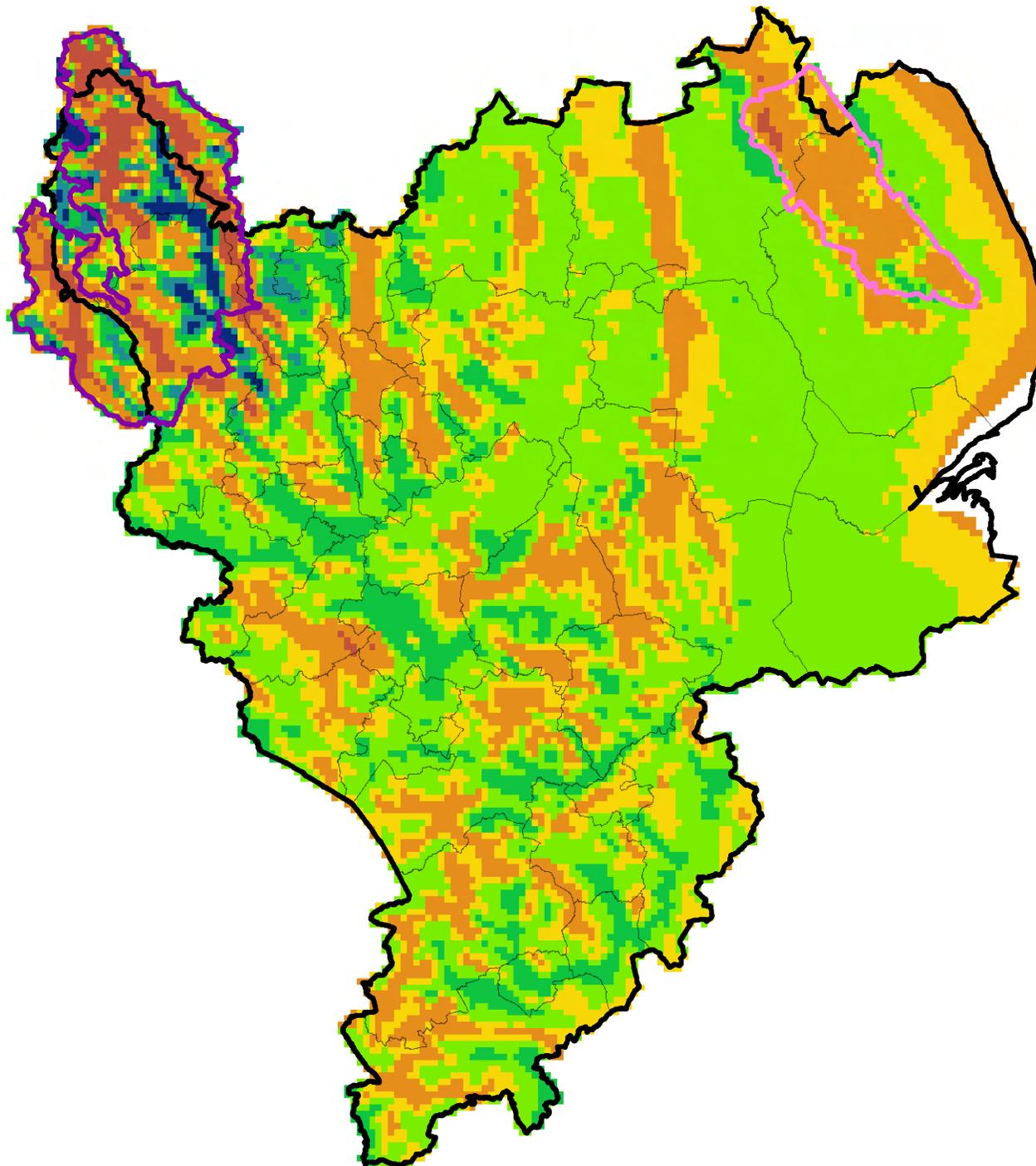


Source: Ordnance Survey, Natural England

Date: 03/03/2011



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 File: S:\5000\5013 East Midlands Councils\B Project Working\GIS\Themes\ArcGIS9\5013-01_012_HMAs_RevA.mxd

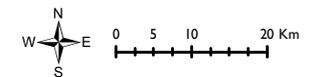


Low Carbon Energy Opportunities for Local Planning Areas across the East Midlands

Map 3.1: Windspeed greater than 5 m/s at 45m above ground level

Key

-  East Midlands
-  Local Authority boundaries
- Windspeed (m/s) at 45m agl
 -  Less than 5m/s (excluded)
 -  5.00 - 5.50
 -  5.51 - 6.00
 -  6.01 - 6.30
 -  6.31 - 6.50
 -  6.51 - 7.50
 -  7.51 - 10.10
- Protected Landscapes
 -  Peak District National Park
 -  Lincolnshire Wolds AONB



Source: Ordnance Survey, Natural England, NOABL

Date: 02/03/2011

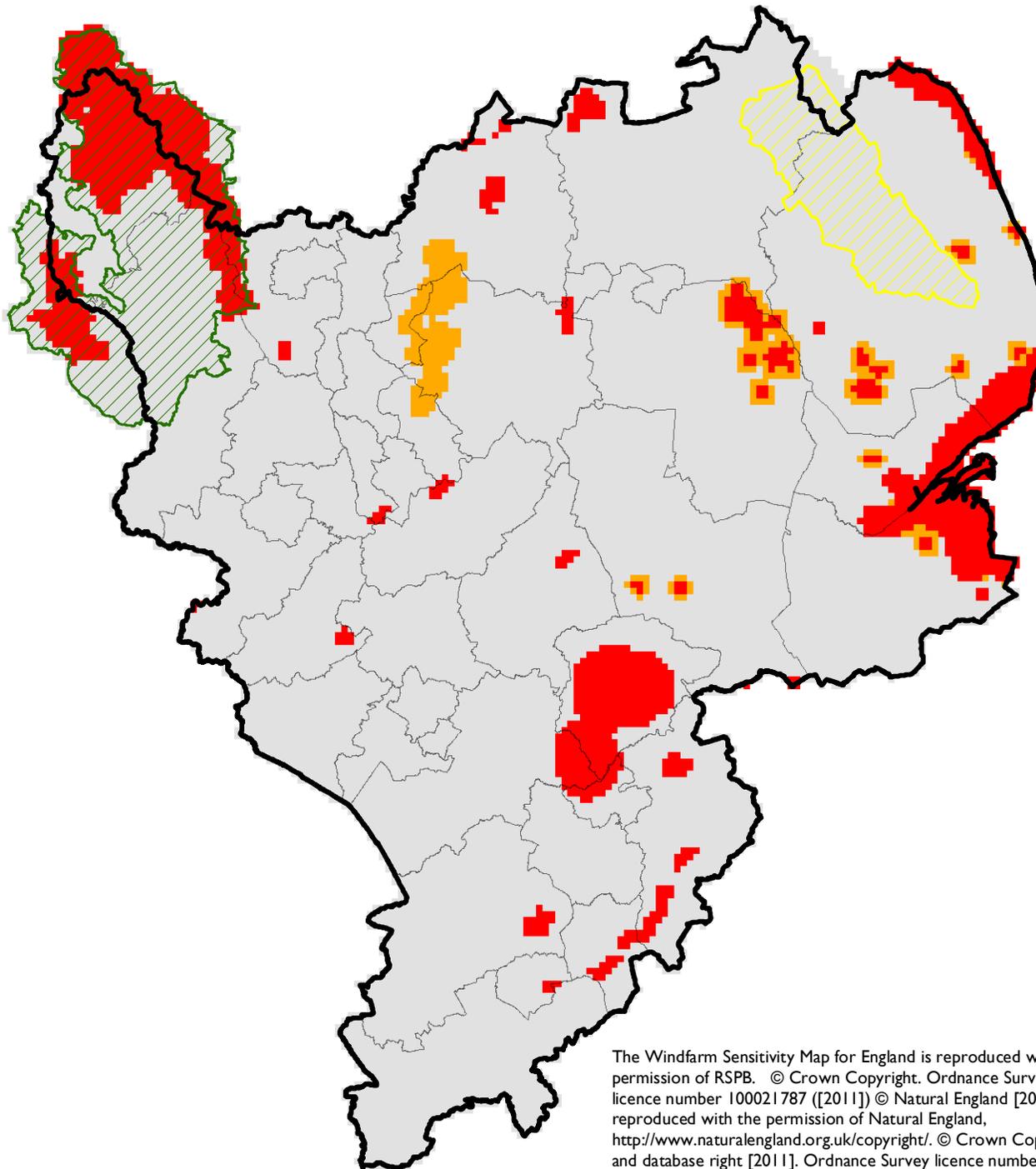


Low Carbon Energy Opportunities for Local Planning Areas across the East Midlands

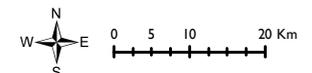
Map 3.2: Map of sensitive bird areas in relation to onshore wind farms in England

Key

-  East Midlands
-  Local Authority boundaries
- Sensitive bird areas**
-  High sensitivity
-  Medium sensitivity
-  Unknown sensitivity
- Protected Landscapes**
-  Peak District National Park
-  Lincolnshire Wolds AONB



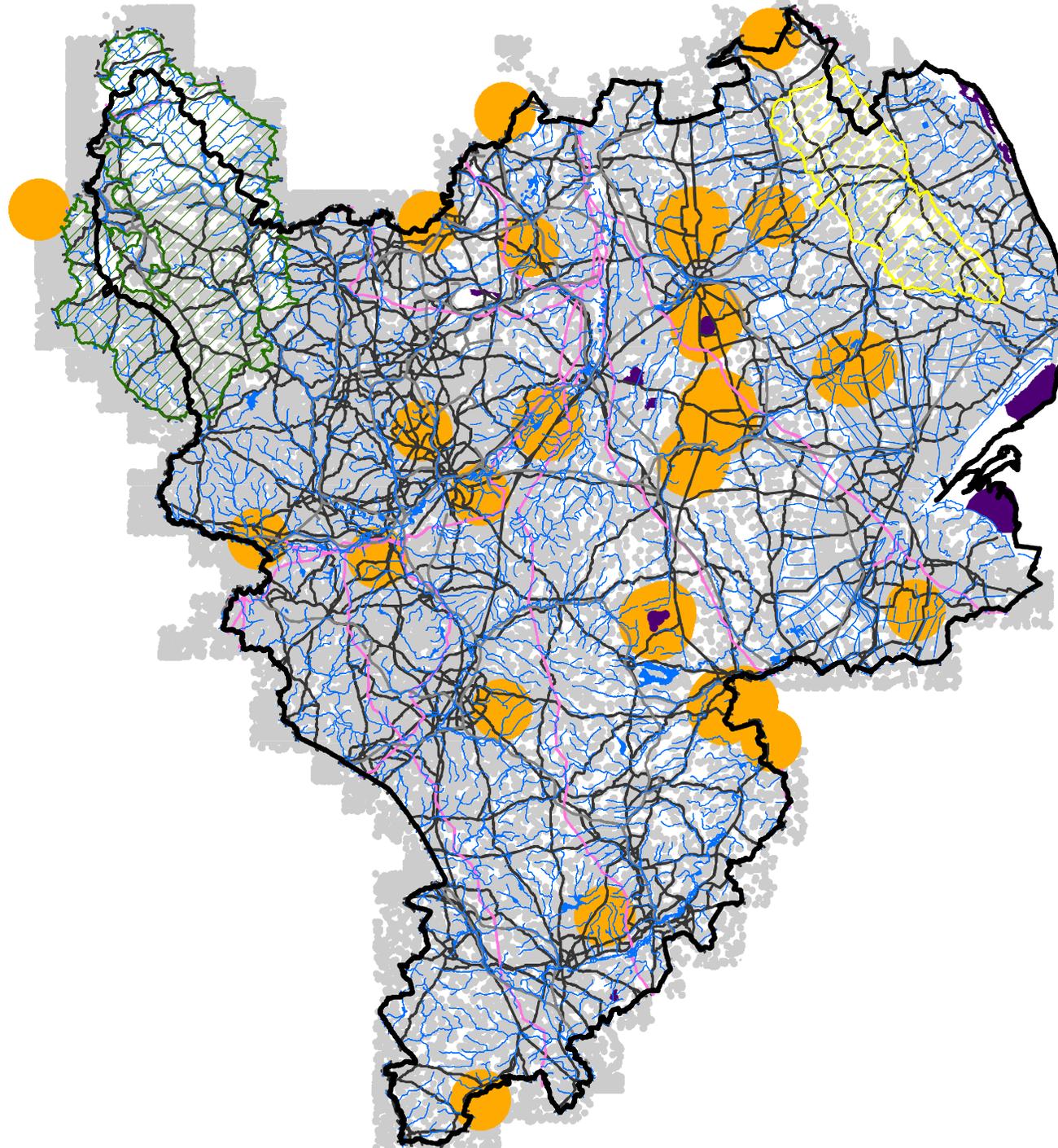
The Windfarm Sensitivity Map for England is reproduced with the permission of RSPB. © Crown Copyright. Ordnance Survey licence number 100021787 ([2011]) © Natural England [2011], reproduced with the permission of Natural England, <http://www.naturalengland.org.uk/copyright/>. © Crown Copyright and database right [2011]. Ordnance Survey licence number 100022021.



Source: Ordnance Survey, Natural England, RSPB

Date: 02/03/2011



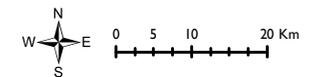


Low Carbon Energy Opportunities for Local Planning Areas across the East Midlands

Map 3.3: Infrastructure-related non-accessible areas and exclusion areas

Key

-  East Midlands
- Protected Landscapes
 -  Peak District National Park
 -  Lincolnshire Wolds AONB
- Commercial-wind constraints (large turbines)
 -  Rivers and lakes
 -  MOD danger areas, explosive safeguarding areas and training areas
 -  Railways with topple distance
 -  Overhead power lines and topple distance
 -  Roads with topple distance
 -  Within 5km of airfields and aerodromes
 -  Property noise buffers



Source: Ordnance Survey, MOD, CAA, National Grid

Date: 02/03/2011

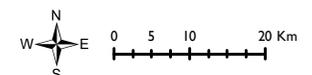
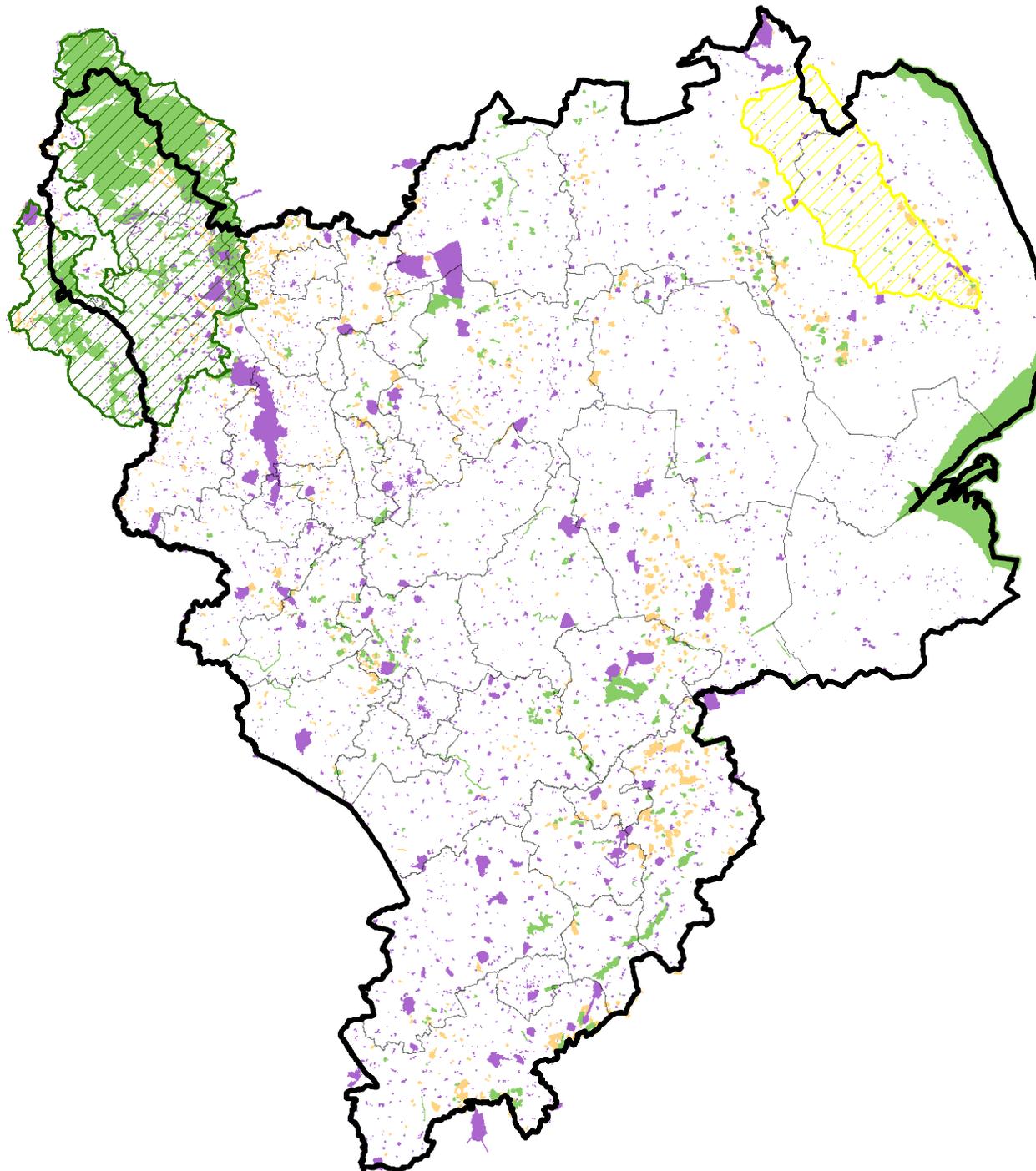


Low Carbon Energy Opportunities for Local Planning Areas across the East Midlands

Map 3.4: Heritage and Nature Conservation constraints

Key

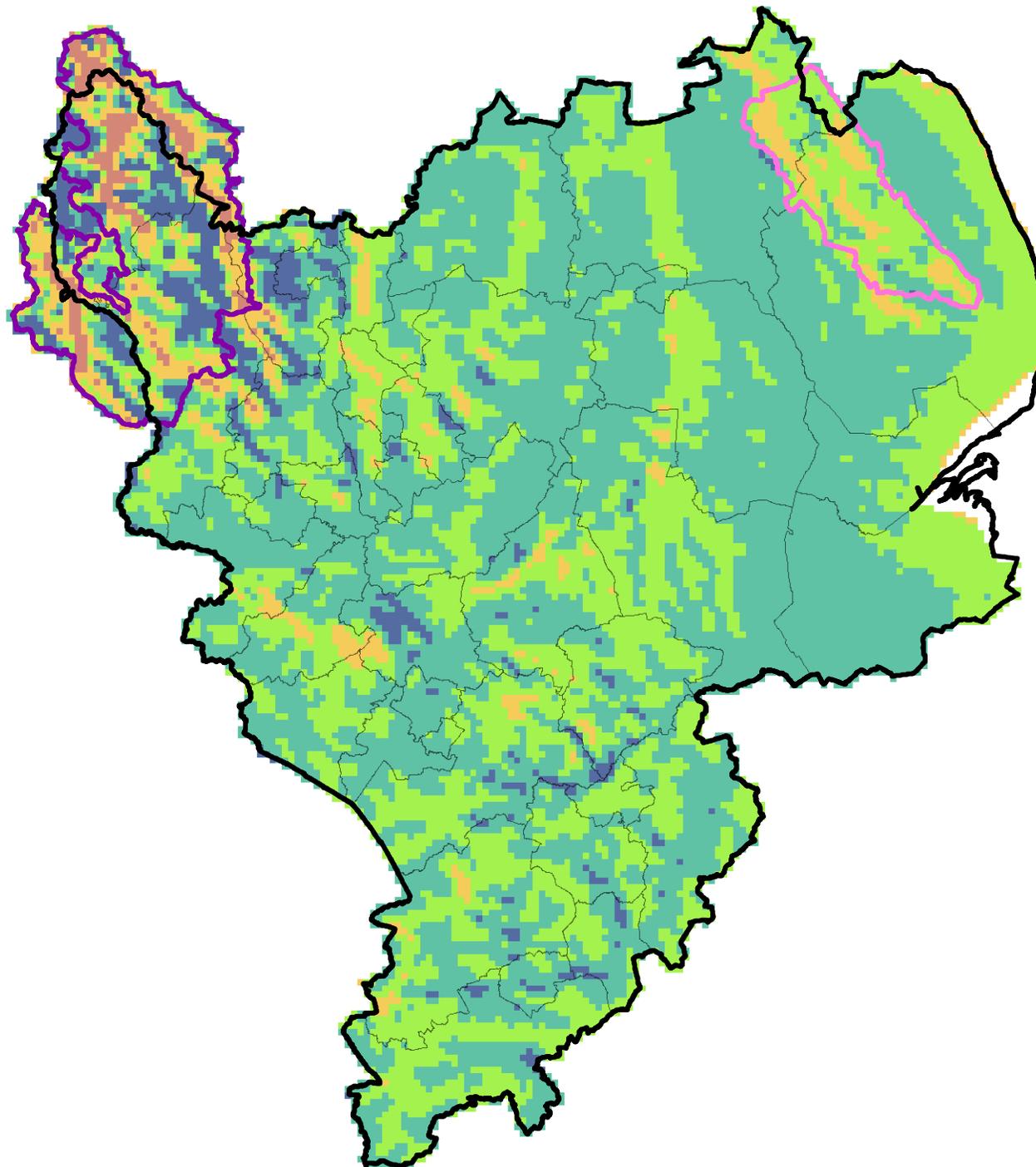
-  East Midlands
-  Local Authority boundaries
- Protected Landscapes**
 -  Peak District National Park
 -  Lincolnshire Wolds AONB
- Commercial-scale wind constraints**
 -  Cultural heritage designations (World Heritage Sites and buffers, Scheduled Monuments, Listed Buildings, Registered Parks and Gardens, Registered Battlefields)
 -  International and national nature conservation designations (Ramsar, SAC, SPA, SSSI, NNR)
 -  Ancient woodland



Source: Ordnance Survey, Natural England, English Heritage

Date: 02/03/2011



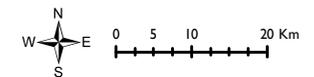


Low Carbon Energy Opportunities for Local Planning Areas across the East Midlands

Map 3.5: Windspeed greater than 4.5 m/s at 10m above ground level

Key

-  East Midlands
-  Local Authority boundaries
- Windspeed (m/s) at 10m agl
 -  2.1 - 4.4
 -  4.5 - 5.0
 -  5.1 - 5.7
 -  5.8 - 6.9
 -  7.0 - 9.8
- Protected Landscapes
 -  Peak District National Park
 -  Lincolnshire Wolds AONB



Source: Ordnance Survey, Natural England, NOABL

Date: 02/03/2011

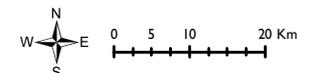
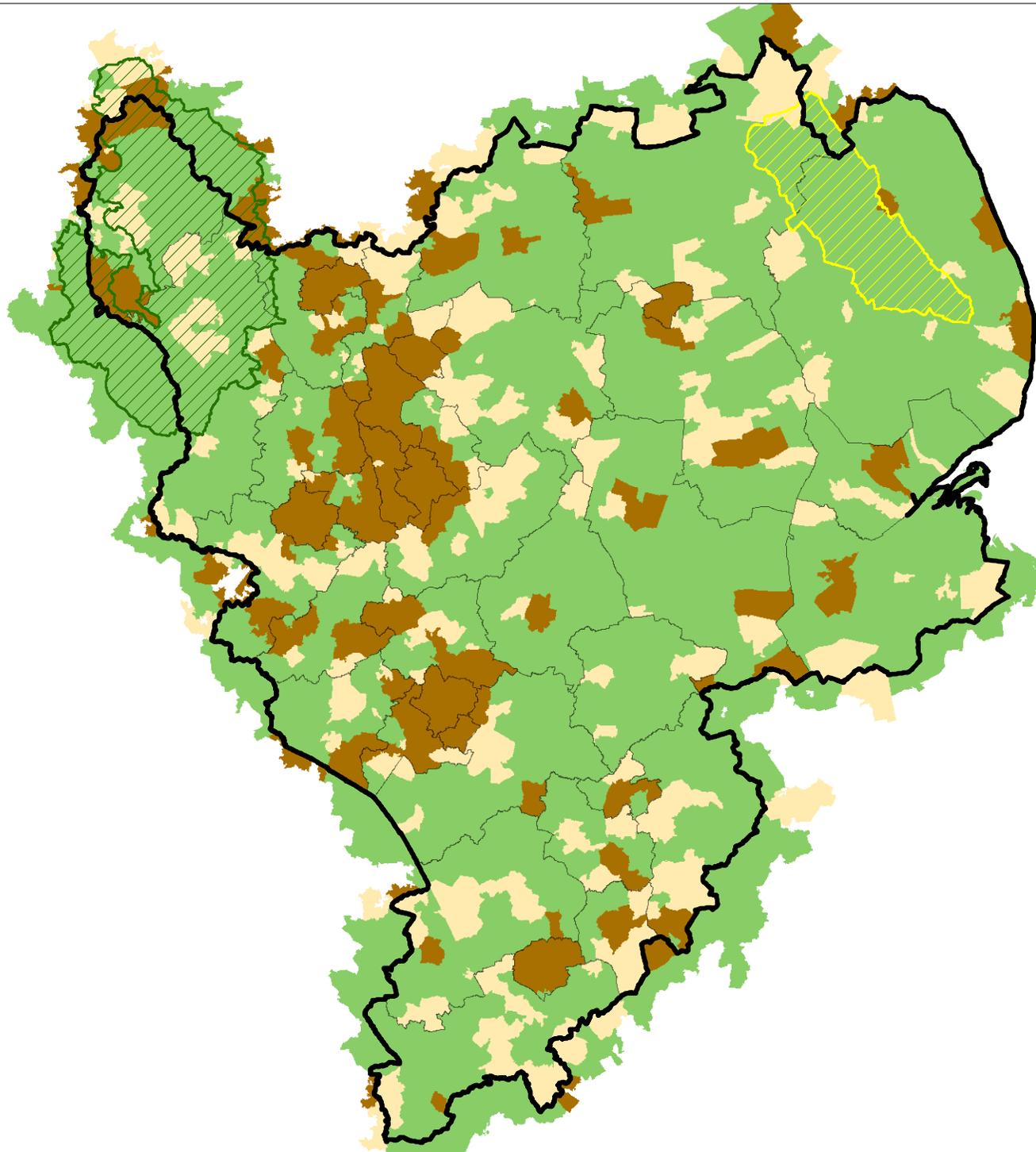


Low Carbon Energy Opportunities for Local Planning Areas across the East Midlands

Map 3.6: DEFRA Rural-Definition (Lower Super Output Area level)

Key

-  East Midlands
-  Local Authority boundaries
- DEFRA Rural Definition (LSOA level)**
 -  Rural
 -  Semi-urban
 -  Urban
- Protected Landscapes**
 -  Peak District National Park
 -  Lincolnshire Wolds AONB



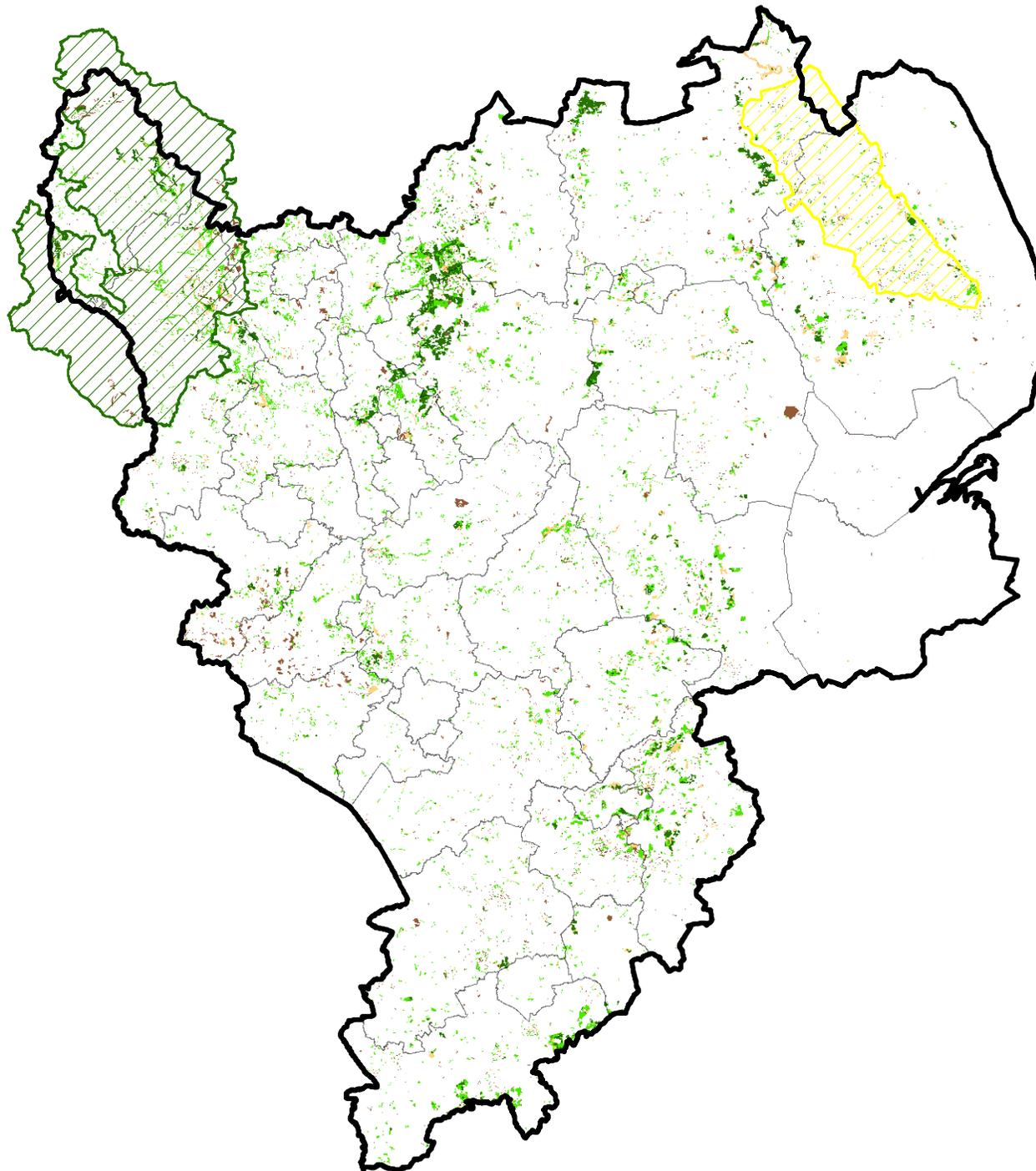
Source: Ordnance Survey, Natural England, DEFRA, ONS

Date: 02/03/2011



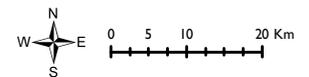
Low Carbon Energy Opportunities for Local Planning Areas across the East Midlands

Map 3.7: Woodland by broad type



Key

- East Midlands
- Lincolnshire Wolds AONB
- Protected Landscapes
 - Peak District National Park
 - Local Authority boundaries
- Broad woodland type
 - Broadleaved
 - Coniferous
 - Mixed
 - Assumed mixed



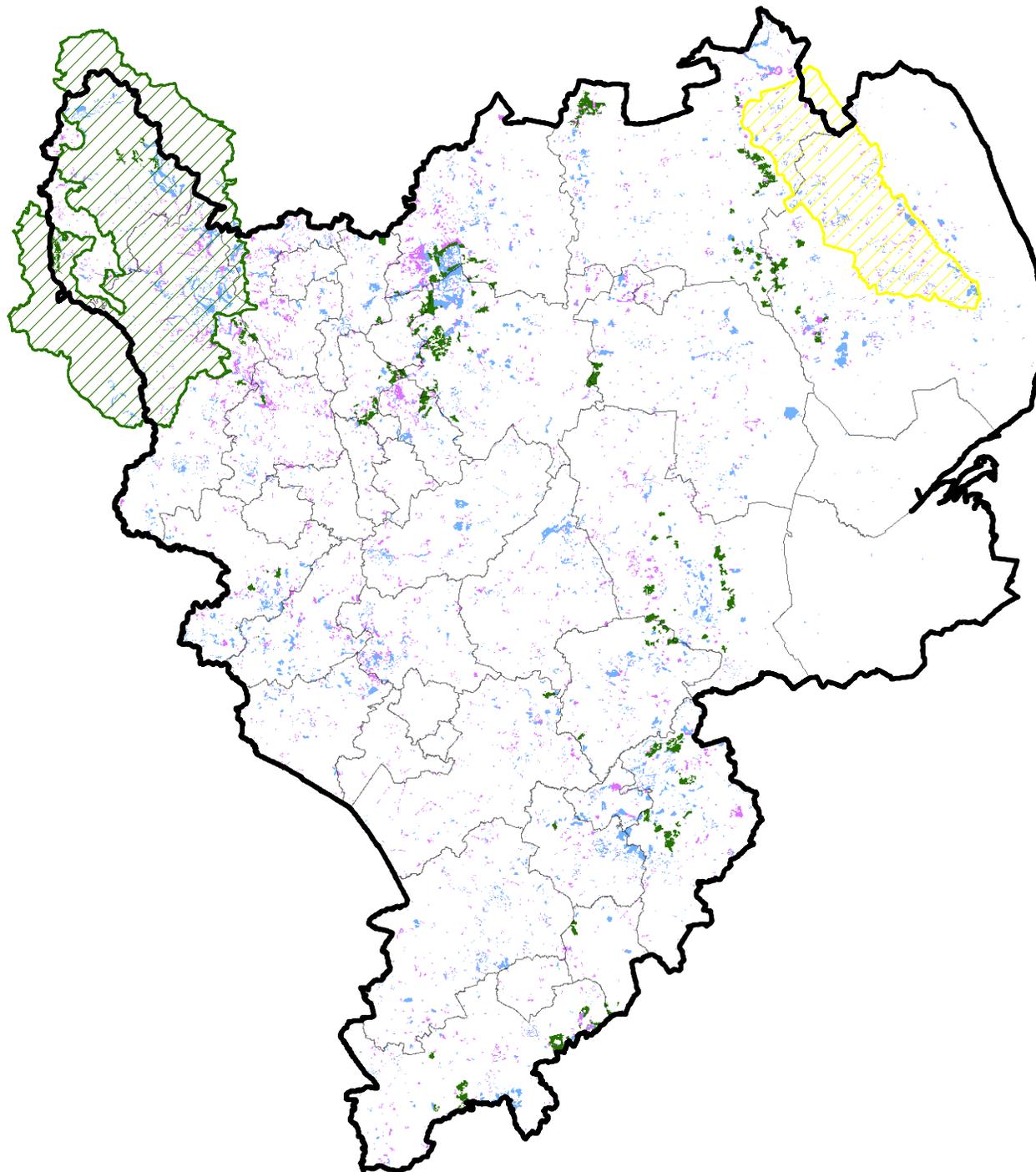
Source: Ordnance Survey, Forestry Commission, Natural England

Date: 02/03/2011



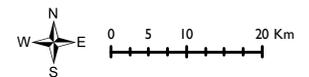
Low Carbon Energy Opportunities for Local Planning Areas across the East Midlands

Map 3.8: Woodland by management



Key

- East Midlands
- Lincolnshire Wolds AONB
- Protected Landscapes**
 - Peak District National Park
 - Local Authority boundaries
- Management**
 - Forestry Commission managed
 - Other managed
 - Unmanaged



Source: Ordnance Survey, Forestry Commission, Natural England

Date: 02/03/2011



Low Carbon Energy Opportunities for Local Planning Areas across the East Midlands

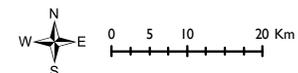
Map 3.9: Energy crops - high scenario

Key

-  East Midlands
-  Local Authority boundaries
-  Potentially opportune areas for energy crops (high scenario)
-  Other arable and temporary grassland
-  Constrained arable and temporary grassland
- Protected Landscapes**
 -  Peak District National Park
 -  Lincolnshire Wolds AONB

Arable and temporary grassland is considered constrained if it is within:

- Agricultural Land Grades 1 or 2
- UK BAP habitats
- Nature conservation designations
- Cultural heritage designations
- Registered Common Land



Source: Ordnance Survey, Natural England, English Heritage, DEFRA, RPA

Date: 30/03/2011



Low Carbon Energy Opportunities for Local Planning Areas across the East Midlands

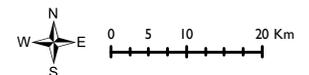
Map 3.10: Environment Agency study hydropower barriers: power

Key

-  East Midlands
-  Local Authority boundaries
- Protected Landscapes**
 -  Peak District National Park
 -  Lincolnshire Wolds AONB
-  Rivers

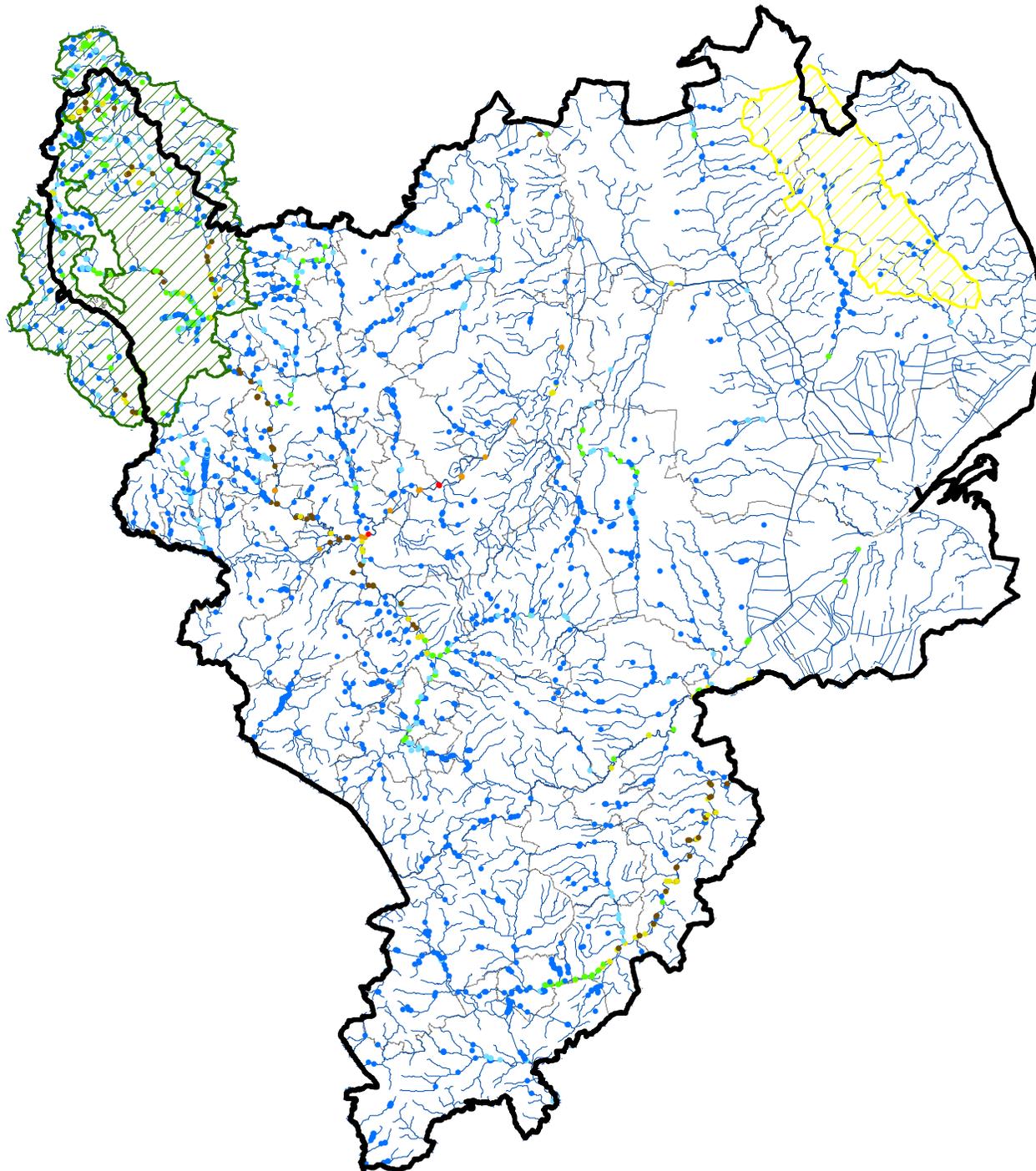
Power category

-  0 - 10 kW
-  10 - 20 kW
-  20 - 50 kW
-  50 - 100 kW
-  100 - 500 kW
-  500 - 1500 kW
-  > 1500 kW



Source: Ordnance Survey, Natural England, Environment Agency

Date: 02/03/2011

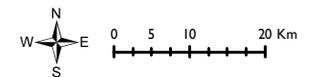
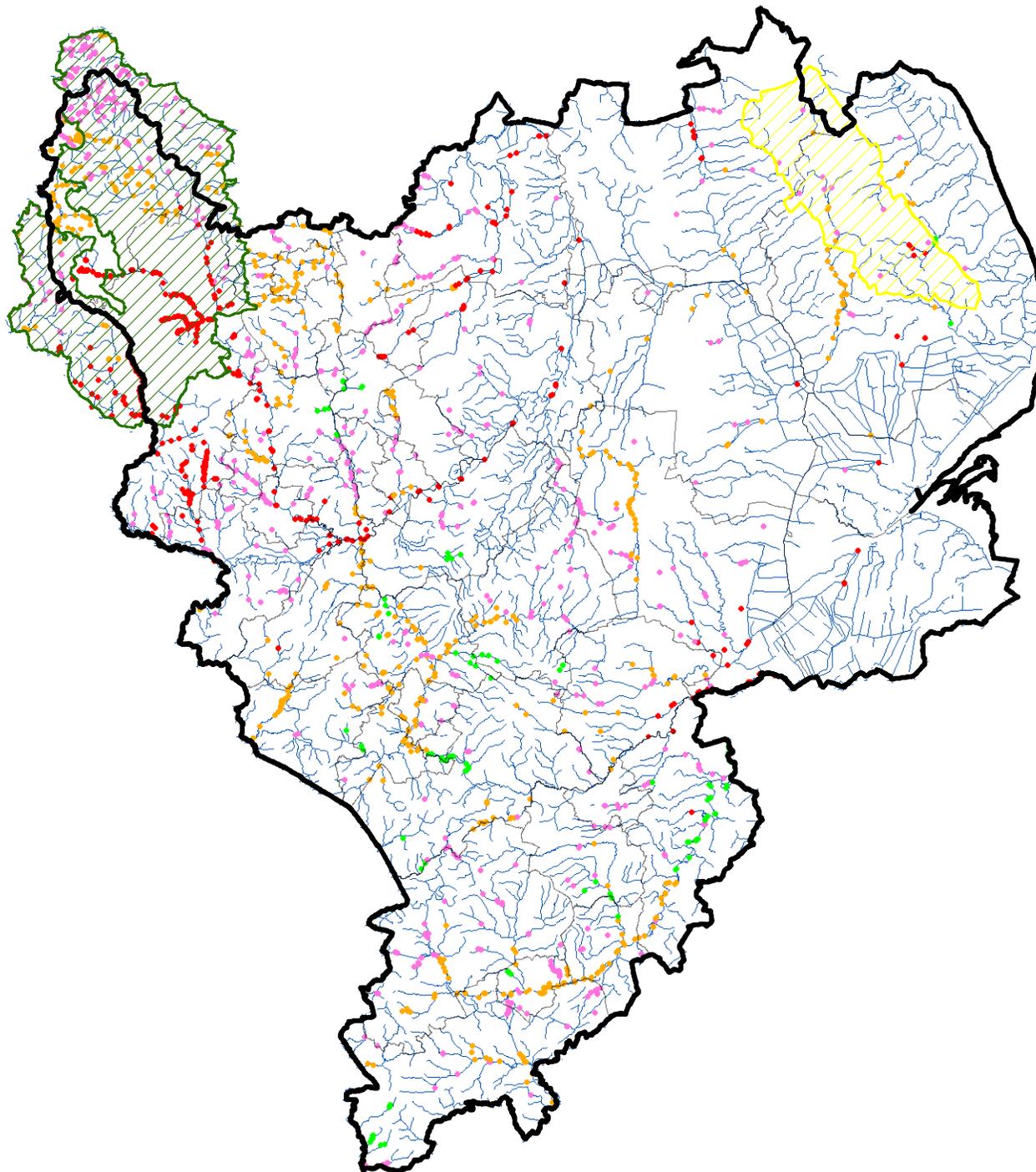


Low Carbon Energy Opportunities for Local Planning Areas across the East Midlands

Map 3.11: Environment Agency study hydropower barriers: sensitivity

Key

-  East Midlands
-  Local Authority boundaries
-  Rivers
- Sensitivity category**
 -  High
 -  Medium
 -  Low
 -  Unknown
- Protected Landscapes**
 -  Peak District National Park
 -  Lincolnshire Wolds AONB



Source: Ordnance Survey, Natural England, Environment Agency

Date: 02/03/2011

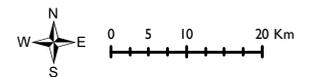
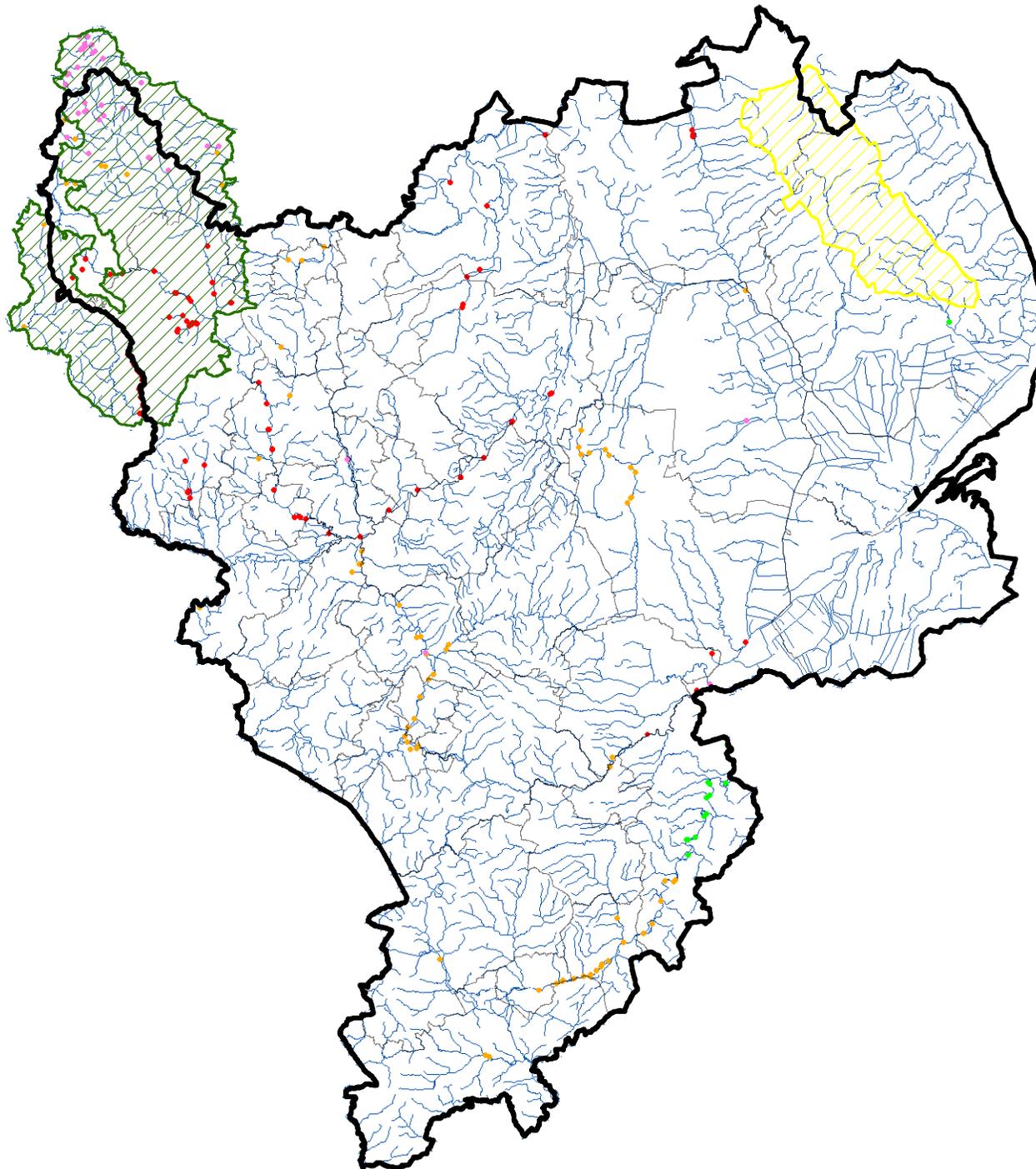


Low Carbon Energy Opportunities for Local Planning Areas across the East Midlands

Map 3.11: Environment Agency study hydropower barriers: win-wins

Key

-  East Midlands
-  Local Authority boundaries
-  Rivers
- Sensitivity category**
 -  High
 -  Medium
 -  Low
 -  Unknown
- Protected Landscapes**
 -  Peak District National Park
 -  Lincolnshire Wolds AONB



Source: Ordnance Survey, Natural England, Environment Agency

Date: 02/03/2011



Low Carbon Energy Opportunities for Local Planning Areas across the East Midlands

Map 4.1: Rapid review of existing and planned renewable schemes

Key

-  East Midlands
-  Local Authority boundaries

Protected Landscapes

-  Peak District National Park
-  Lincolnshire Wolds AONB

Technology

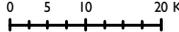
-  Biomass - Dedicated
-  Hydro
-  Landfill Gas
-  Municipal and Industrial Waste
-  Photovoltaics
-  Wind Onshore

Status

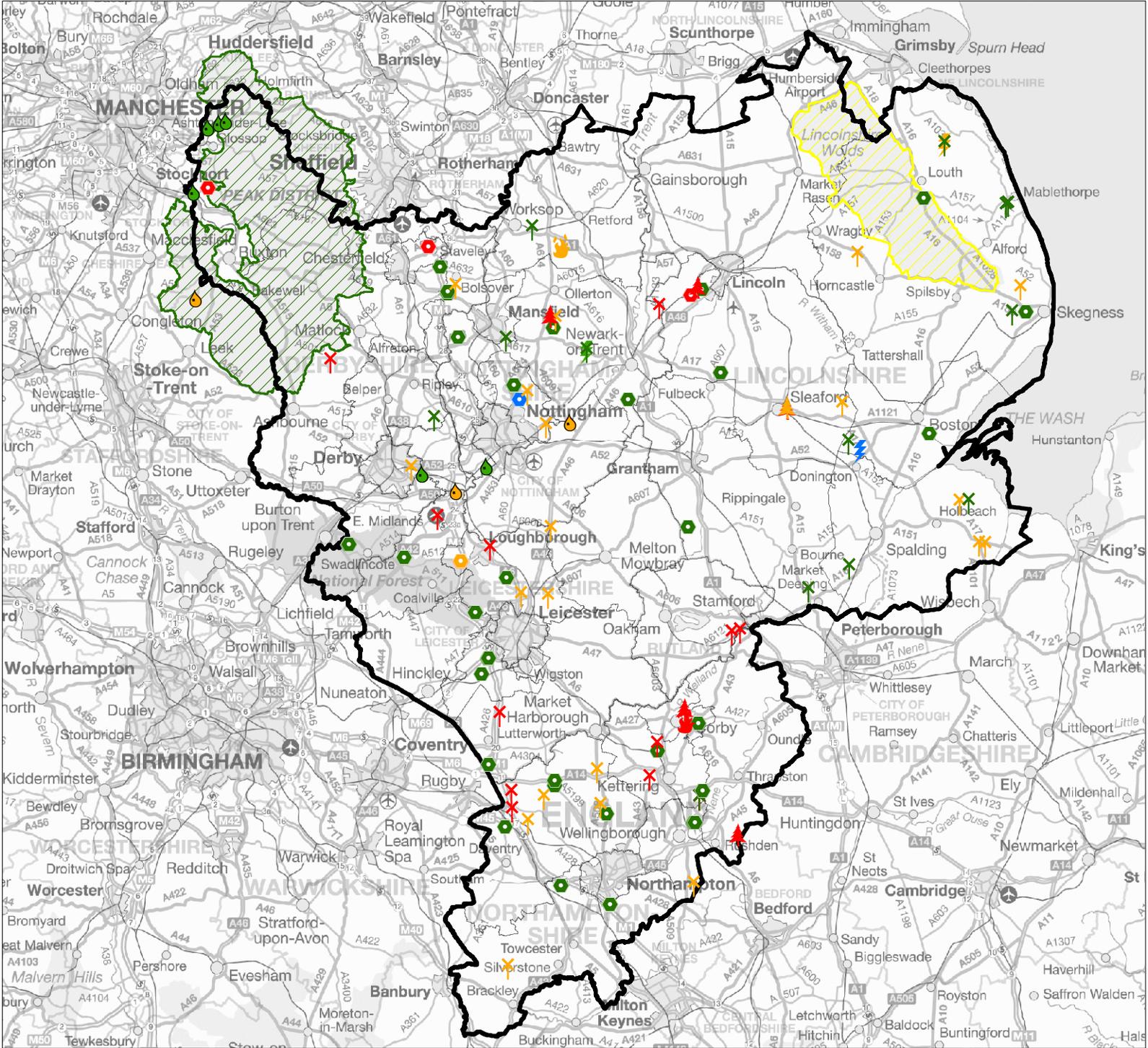
-  Operational
-  Under Construction
-  Awaiting Construction

Additional schemes (in planning process)

-  N/A - Application Submitted

Source: Ordnance Survey, Natural England, DECC (Restats Planning Database)
 Date: 02/03/2011

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 File: S:\5000\5013 East Midlands Councils\B Project Working\GIS\Themes\ArcGIS9\5013-01_023_Existing_renewables.mxd

Low Carbon Energy Opportunities for Local Planning Areas across the East Midlands

Map 4.2: Relative LPA electricity technical resource potential within Lincolnshire

Key

 Local Authority boundaries

 Lincolnshire Wolds AONB

Potential (elec) MW at 2020



240

 Wind

 Plant biomass (elec)

 Animal biomass

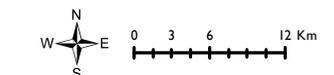
 Biomass co-firing

 Waste

 Biogas

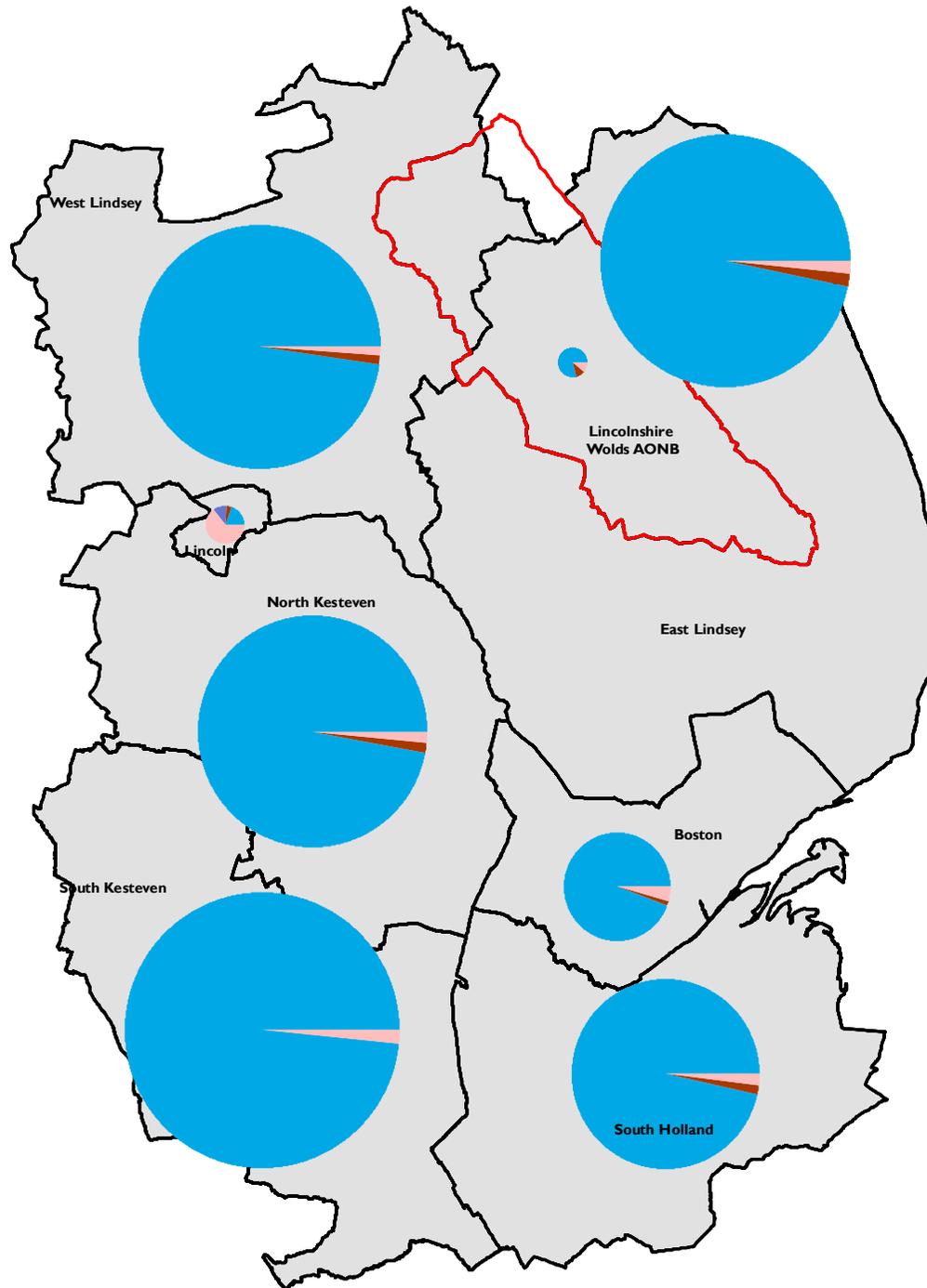
 Hydro

 Microgen (Solar PV)



Source: Ordnance Survey, Natural England
Land Use Consultants, SQW

Date: 02/03/2011



Low Carbon Energy Opportunities for Local Planning Areas across the East Midlands

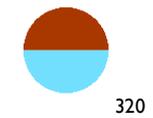
Map 4.3: Relative LPA heat technical resource potential within Lincolnshire

Key

 Local Authority boundaries

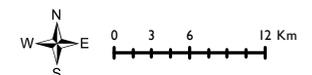
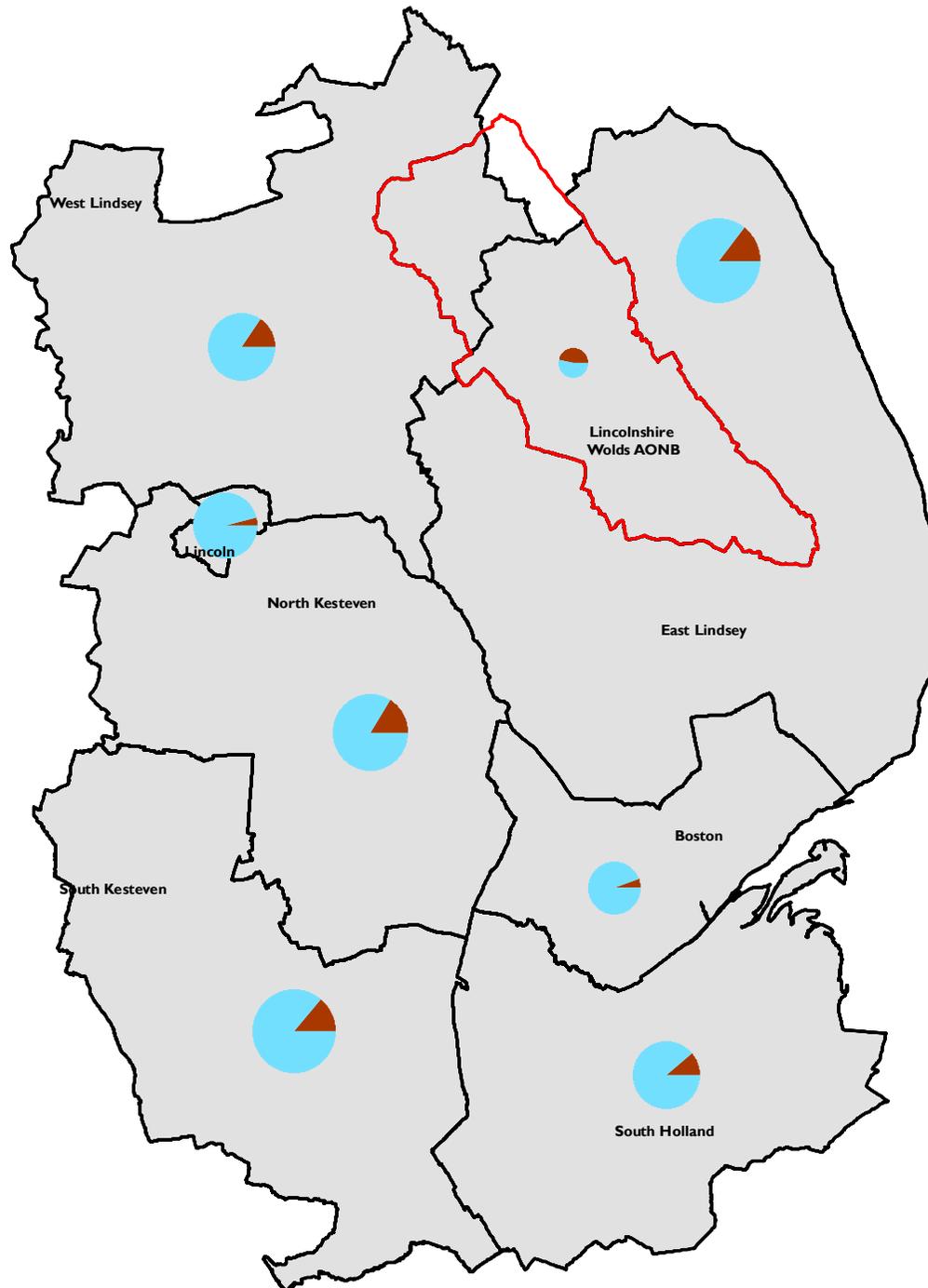
 Lincolnshire Wolds AONB

Potential (heat) MW at 2020



 Plant biomass (heat)

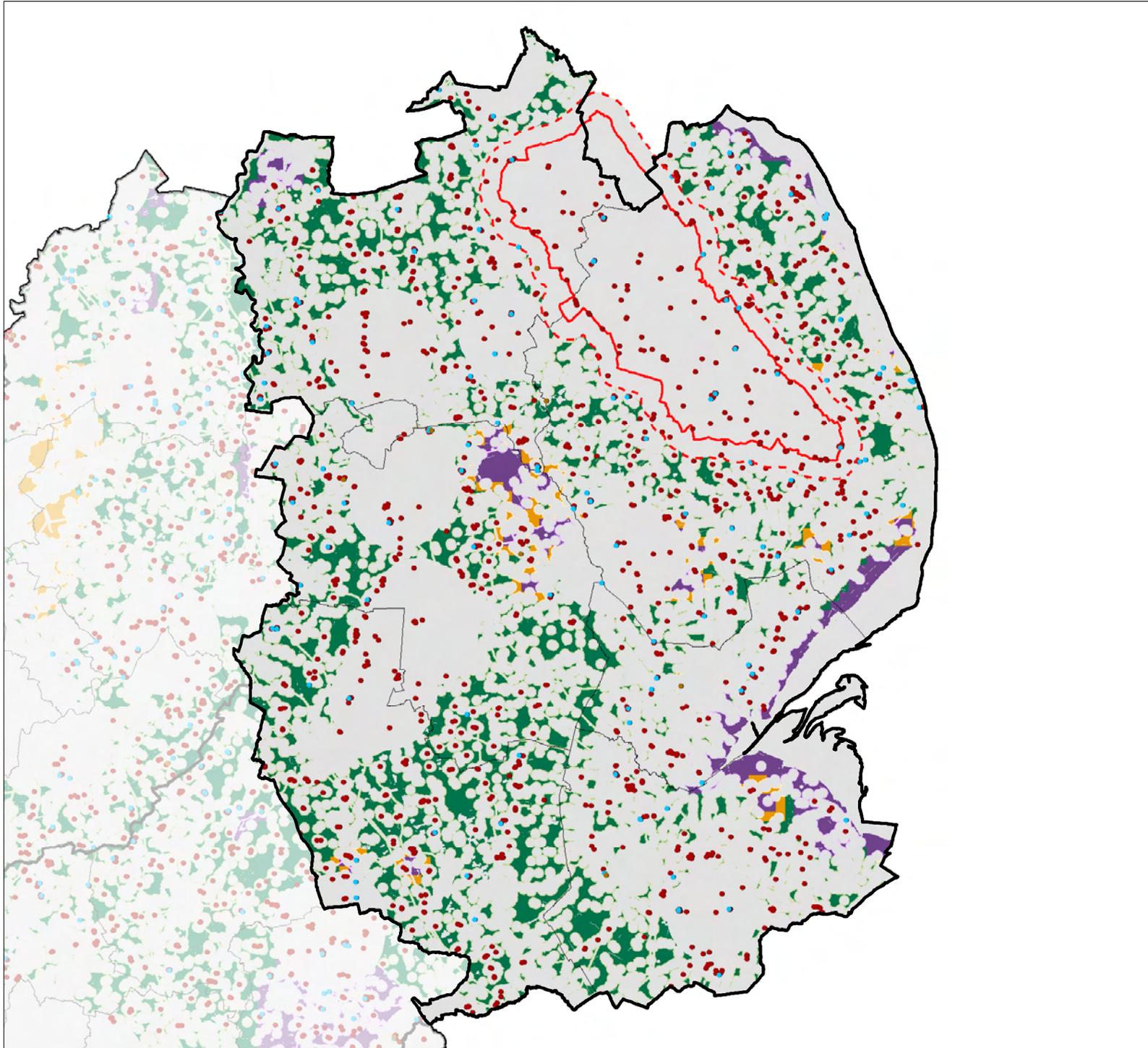
 Heat pumps and solar thermal



Source: Ordnance Survey, Natural England
Land Use Consultants, SQW

Date: 02/03/2011



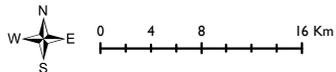


Low Carbon Energy Opportunities for Local Planning Areas across the East Midlands

Map 4.4: Lincolnshire onshore wind energy opportunity plan

- Key**
- County boundary
 - Local Authority boundaries
 - Commercial-scale onshore wind
 - Highest potential (outside of sensitive areas)
 - Large (4 turbines/km²)
 - Medium (10 turbines/km²)
 - Small (20 turbines/km²)
 - Potential within areas with medium bird sensitivity
 - Large (2 turbines/km²)
 - Medium (5 turbines/km²)
 - Small (10 turbines/km²)
 - Potential within areas with high bird sensitivity
 - Large (1 turbines/km²)
 - Medium (2.5 turbines/km²)
 - Small (5 turbines/km²)
 - No potential
 - Constrained (0 turbines/km²)
 - Small-scale wind (<6kW)
 - Potential for community schemes
 - Government Offices
 - Tourism-related buildings
 - Community buildings
 - Protected landscapes
 - Lincolnshire Wolds AONB
 - Indicates need to consider AONB setting*

*Indicative zone only - distance will vary according to circumstances



Source: Ordnance Survey, Natural England, DECC, English Heritage, RSPB, MOD, CAA

Date: 30/03/2011



Low Carbon Energy Opportunities for Local Planning Areas across the East Midlands

Map 4.5: Relative LPA electricity technical resource potential within Nottingham and Nottinghamshire

Key

 Local Authority boundaries

Potential (elec) MW at 2020



240

 Wind

 Plant biomass (elec)

 Animal biomass

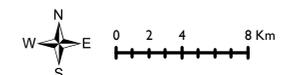
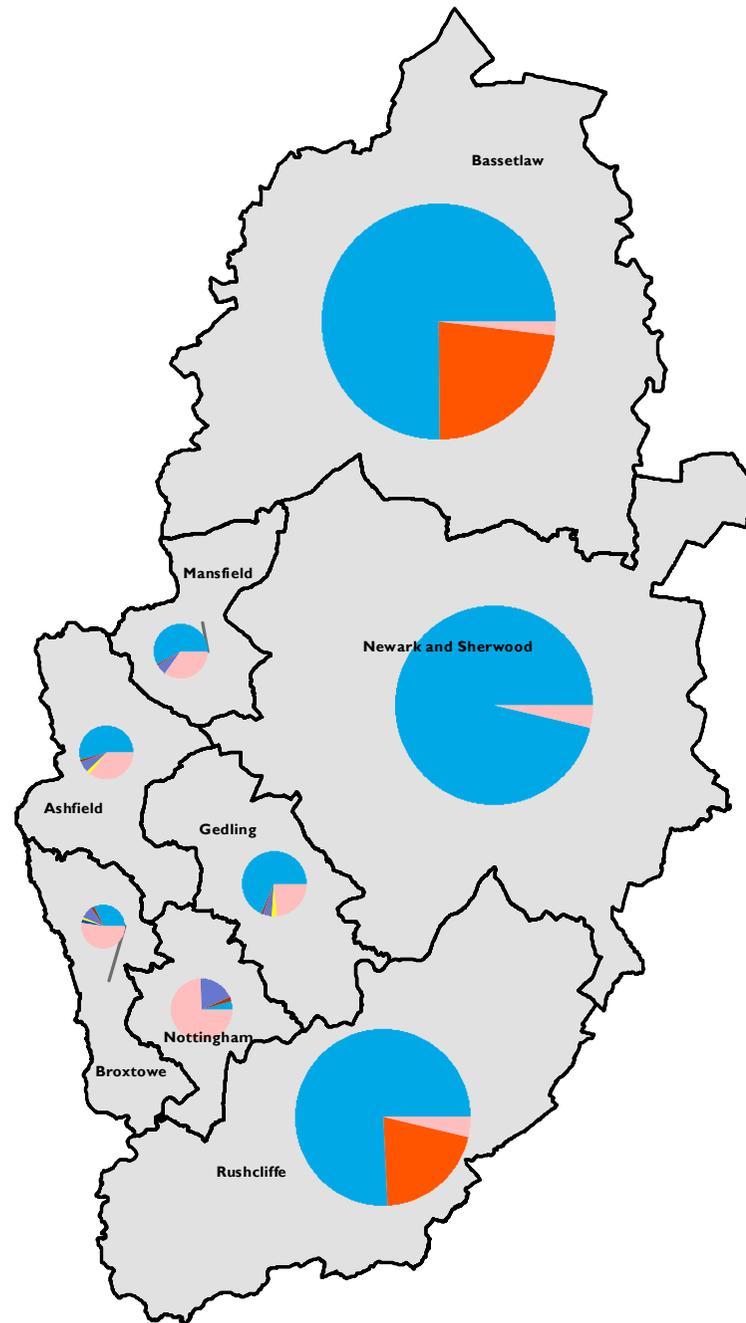
 Biomass co-firing

 Waste

 Biogas

 Hydro

 Microgen (Solar PV)



Source: Ordnance Survey,
Land Use Consultants, SQW

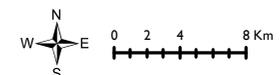
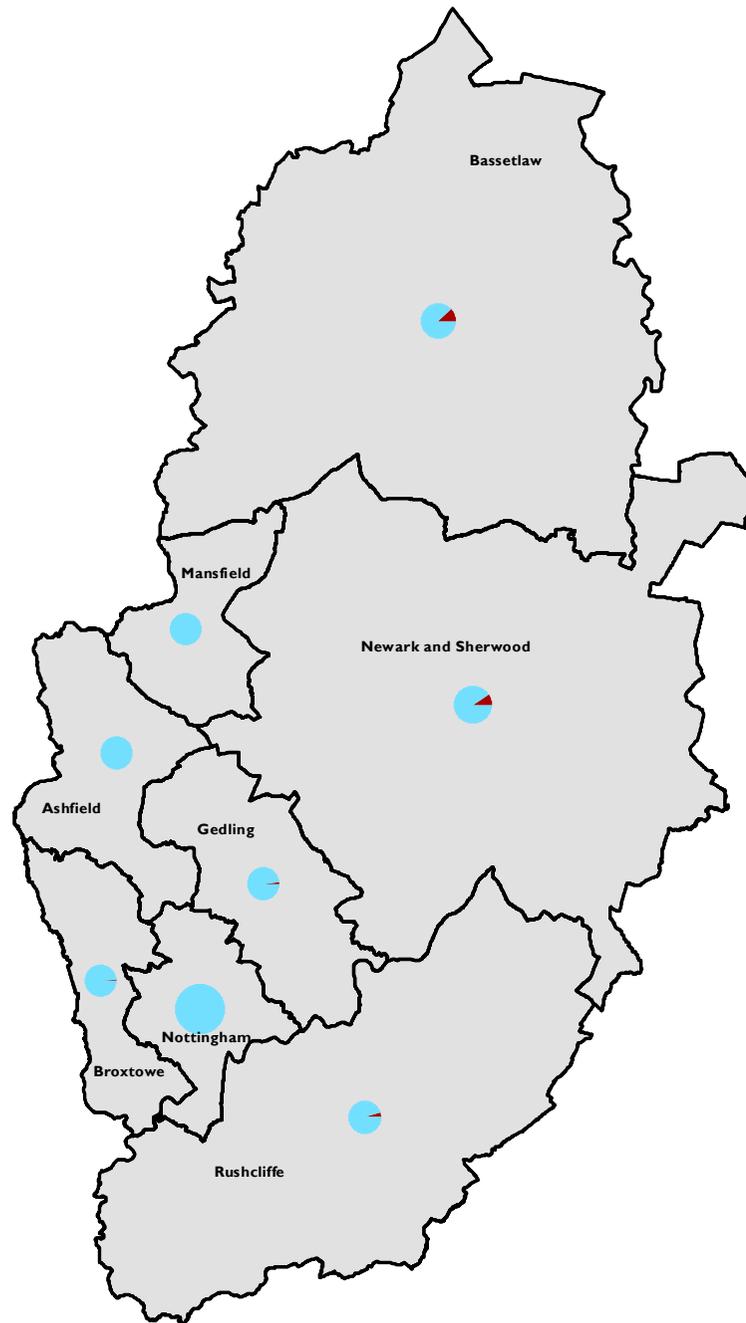
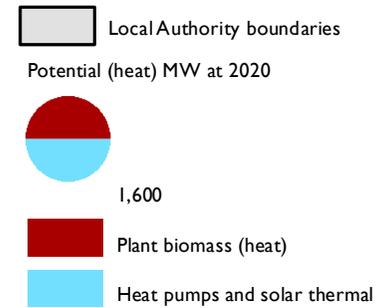
Date: 02/03/2011



Low Carbon Energy Opportunities for Local Planning Areas across the East Midlands

Map 4.6: Relative LPA heat technical resource potential within Nottingham and Nottinghamshire

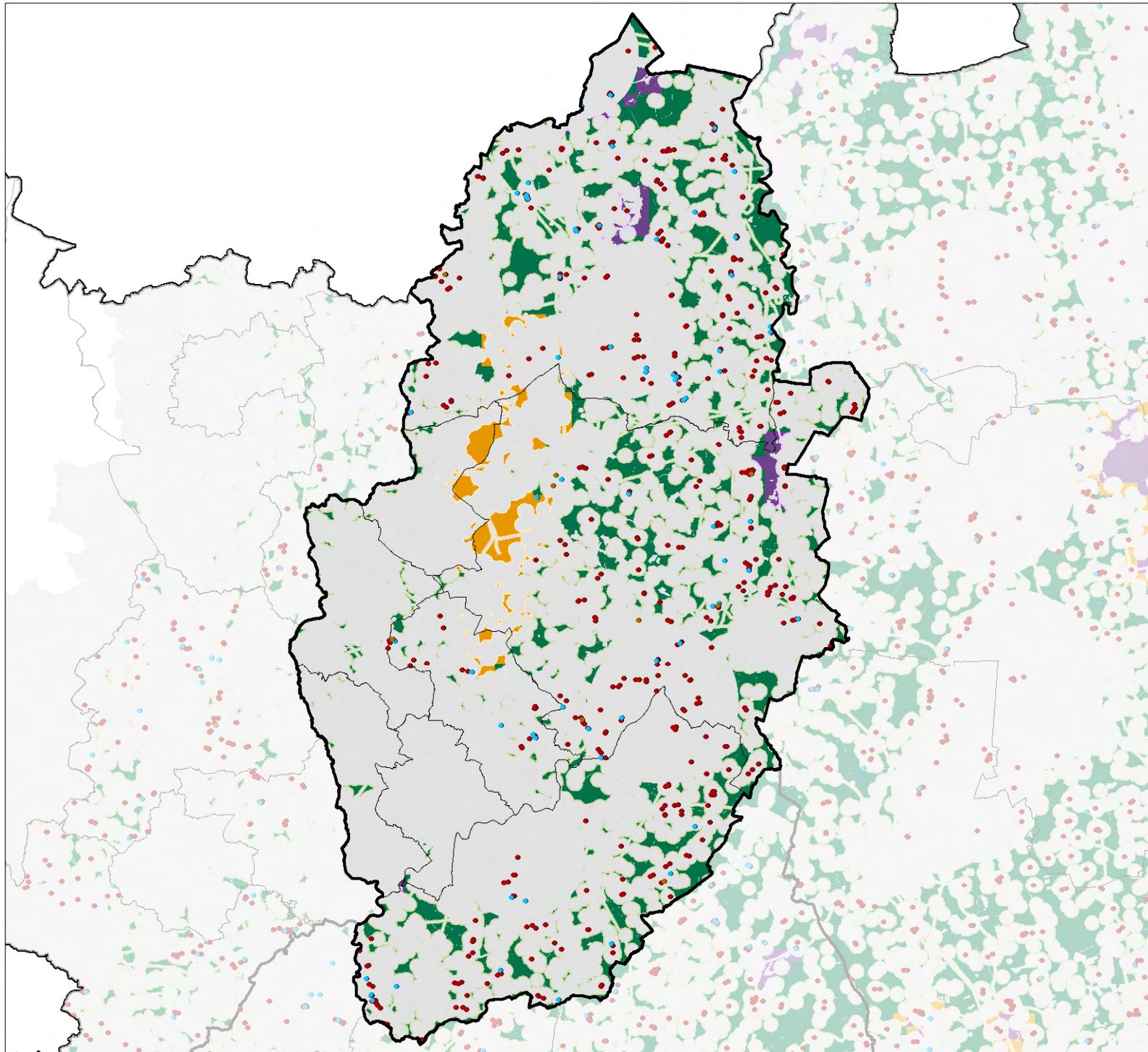
Key



Source: Ordnance Survey,
Land Use Consultants, SQW

Date: 02/03/2011



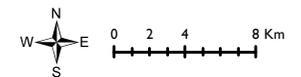


Low Carbon Energy Opportunities for Local Planning Areas across the East Midlands

Map 4.7: Nottinghamshire and Nottingham onshore wind energy opportunity plan

Key

-  County boundary
- Small-scale wind (<6kW)
- Potential for community schemes
 -  Government Offices
 -  Tourism-related buildings
 -  Community buildings
-  Local Authority boundaries
- Commercial-scale onshore wind
- Highest potential (outside of sensitive areas)
 -  Large (4 turbines/km²)
 -  Medium (10 turbines/km²)
 -  Small (20 turbines/km²)
- Potential within areas with medium bird sensitivity
 -  Large (2 turbines/km²)
 -  Medium (5 turbines/km²)
 -  Small (10 turbines/km²)
- Potential within areas with high bird sensitivity
 -  Large (1 turbines/km²)
 -  Medium (2.5 turbines/km²)
 -  Small (5 turbines/km²)
- No potential
 -  Constrained (0 turbines/km²)



Source: Ordnance Survey, Natural England, DECC, English Heritage, RSPB, MOD, CAA

Date: 02/03/2011



Low Carbon Energy Opportunities for Local Planning Areas across the East Midlands

Map 4.8: Relative LPA electricity technical resource potential within Derby and Derbyshire

Key

 Local Authority boundaries

 Peak District National Park

Potential (elec) MW at 2020



240

 Wind

 Plant biomass (elec)

 Animal biomass

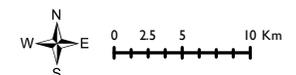
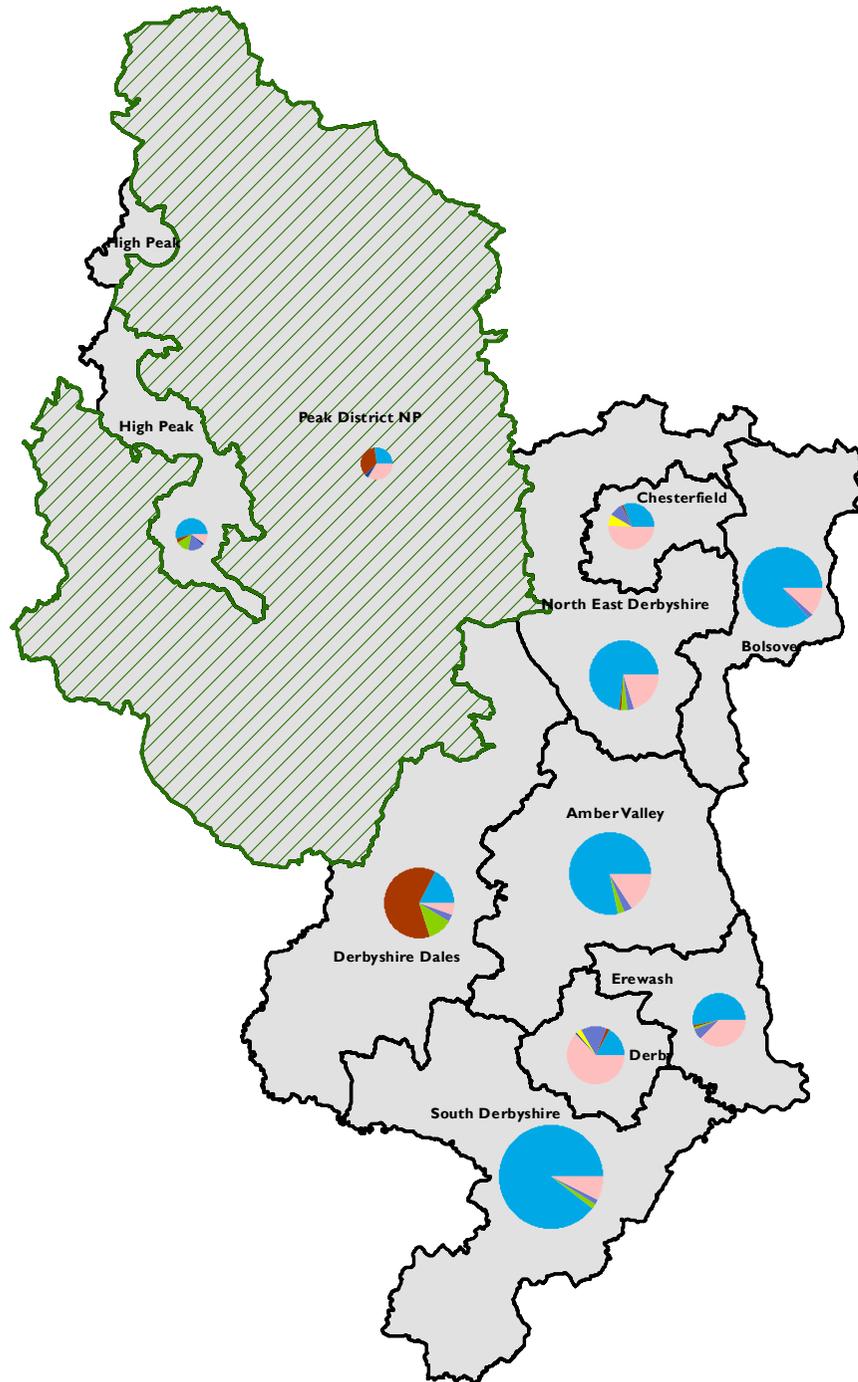
 Biomass co-firing

 Waste

 Biogas

 Hydro

 Microgen (solar PV)



Source: Ordnance Survey, Natural England
Land Use Consultants, SQW

Date: 02/03/2011



Low Carbon Energy Opportunities for Local Planning Areas across the East Midlands

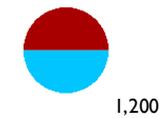
Map 4.9: Relative LPA heat technical resource potential within Derby and Derbyshire

Key

 Local Authority boundaries

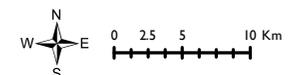
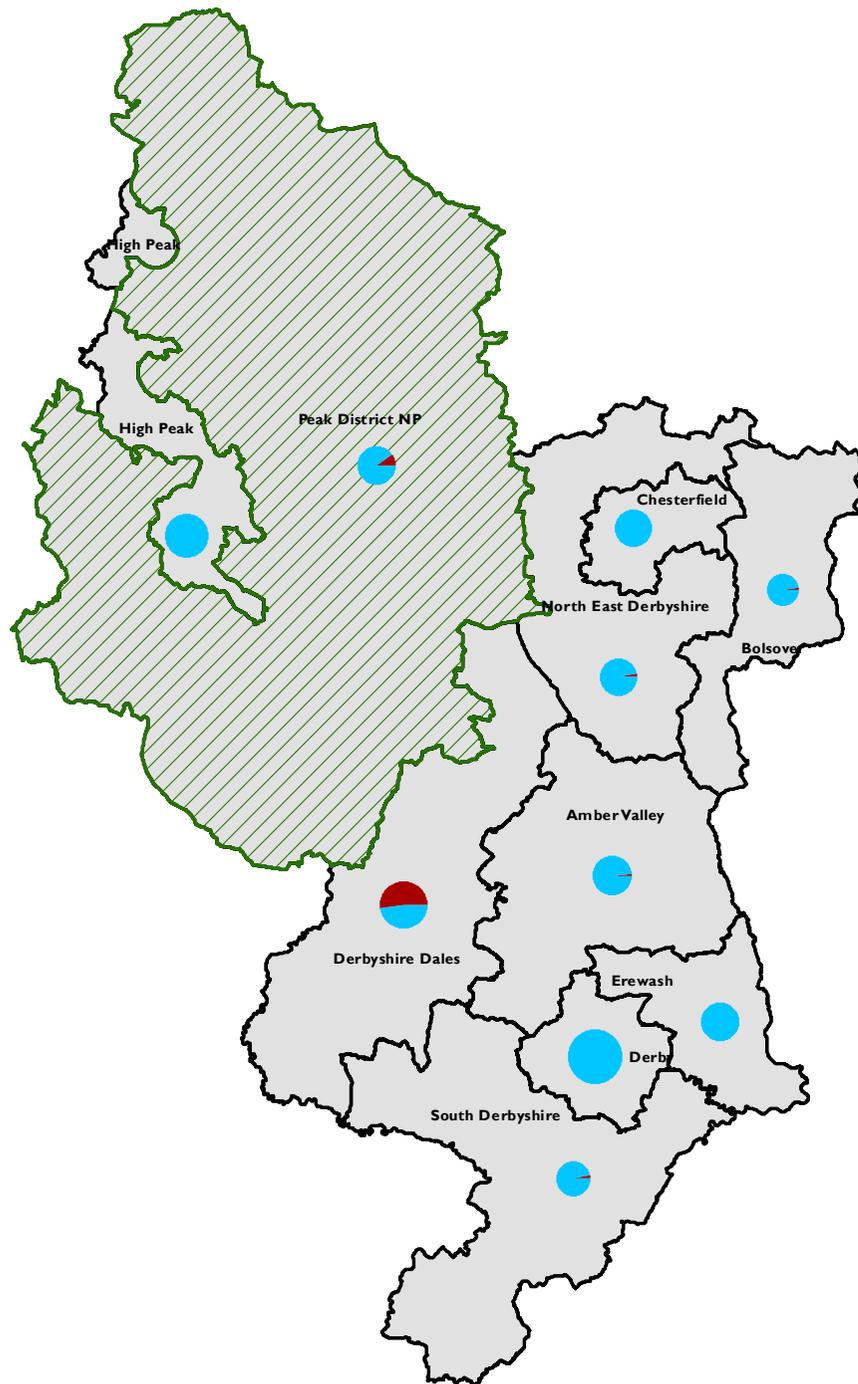
 Peak District National Park

Potential (heat) MW at 2020



 Plant biomass (heat)

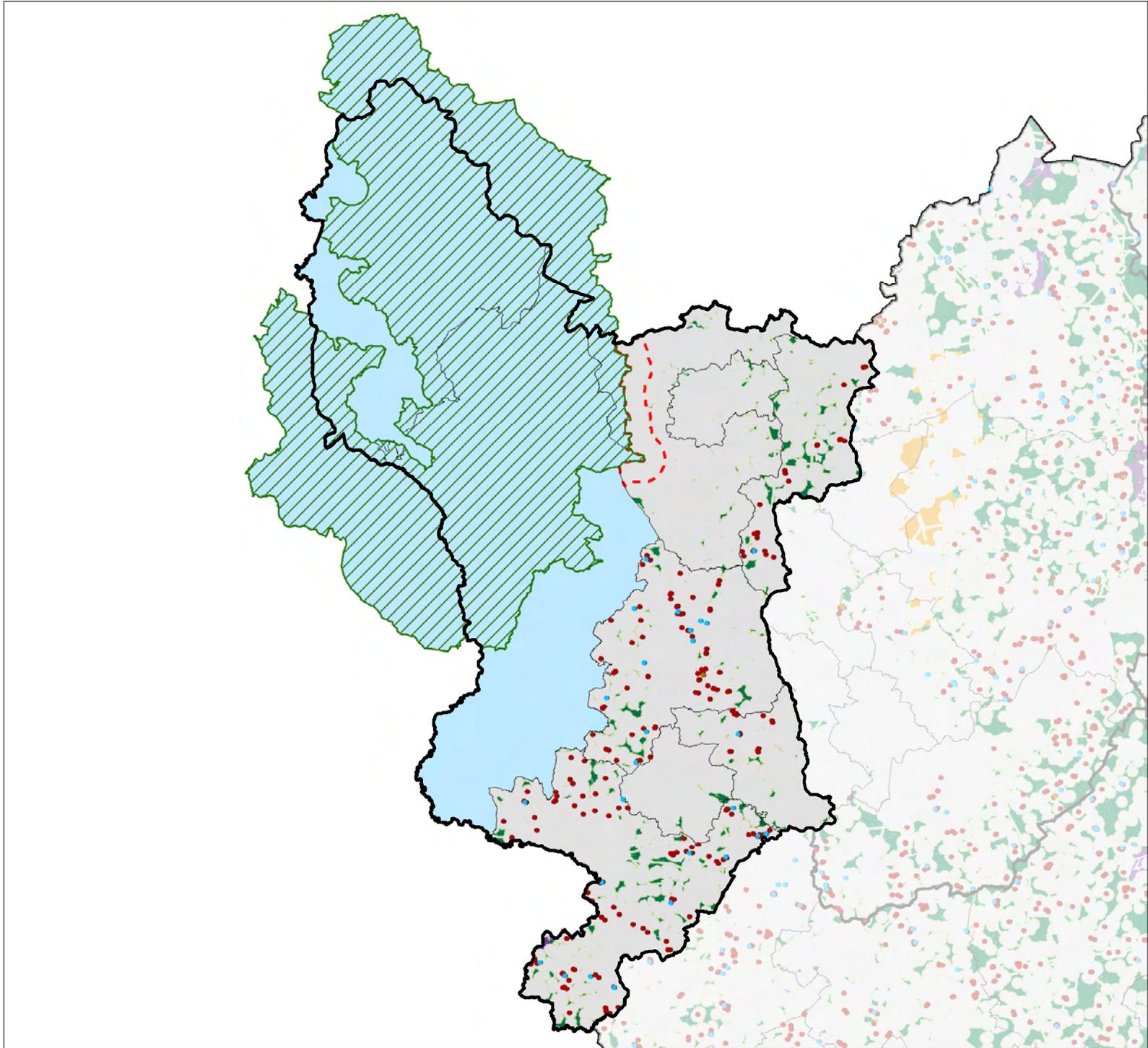
 Heat pumps and solar thermal



Source: Ordnance Survey, Natural England
Land Use Consultants, SQW

Date: 02/03/2011





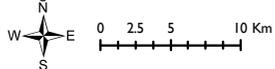
Low Carbon Energy Opportunities for Local Planning Areas across the East Midlands

Map 4.10: Derby and Derbyshire onshore wind energy opportunity plan

Key

- County boundary
- Local Authority boundaries
- Not re-assessed in this study. A detailed landscape sensitivity study was undertaken as part of the Peak Sub-region Climate Change Study. See landscape sensitivity maps in Appendix 3.1
- Change Study. See landscape sensitivity maps in Appendix 3.1
- Protected Landscapes**
 - Peak District National Park
 - Indicates the need to consider National Park purposes*
- Small-scale wind (>6kW)**
- Potential for community schemes**
 - Government Offices
 - Tourism-related buildings
 - Community buildings
- Commercial-scale onshore wind**
- Highest potential (outside of sensitive areas)**
 - Large (4 turbines/km²)
 - Medium (10 turbines/km²)
 - Small (20 turbines/km²)
- Potential within areas with medium bird sensitivity**
 - Large (2 turbines/km²)
 - Medium (5 turbines/km²)
 - Small (10 turbines/km²)
- Potential within areas with high bird sensitivity**
 - Large (1 turbines/km²)
 - Medium (2.5 turbines/km²)
 - Small (5 turbines/km²)
- No potential**
 - Constrained (0 turbines/km²)

*Indicative zone only - distance will vary according to circumstances



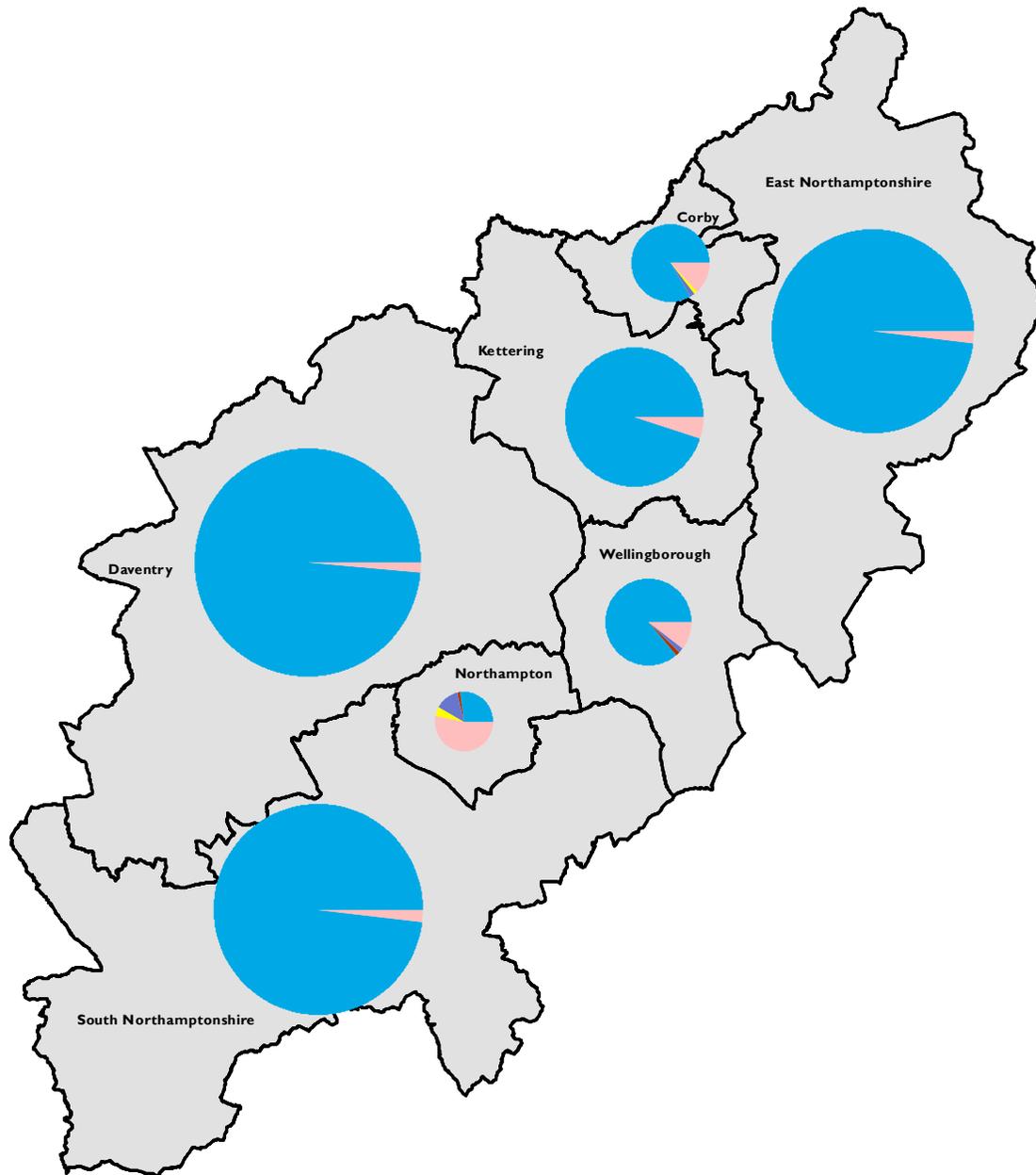
Source: Ordnance Survey, Natural England, DECC, English Heritage, RSPB, MOD, CAA

Date: 30/03/2011



Low Carbon Energy Opportunities for Local Planning Areas across the East Midlands

Map 4.11: Relative LPA electricity technical resource potential within Northamptonshire



Key

 Local Authority boundaries

Potential (elec) MW at 2020



240

 Wind

 Plant biomass (elec)

 Animal biomass

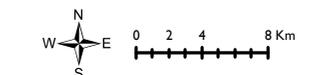
 Biomass co-firing

 Waste

 Biogas

 Hydro

 Microgen (Solar PV)



Source: Ordnance Survey,
Land Use Consultants, SQW

Date: 02/03/2011



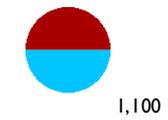
Low Carbon Energy Opportunities for Local Planning Areas across the East Midlands

Map 4.12: Relative LPA heat technical resource potential within Northamptonshire

Key

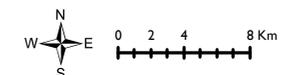
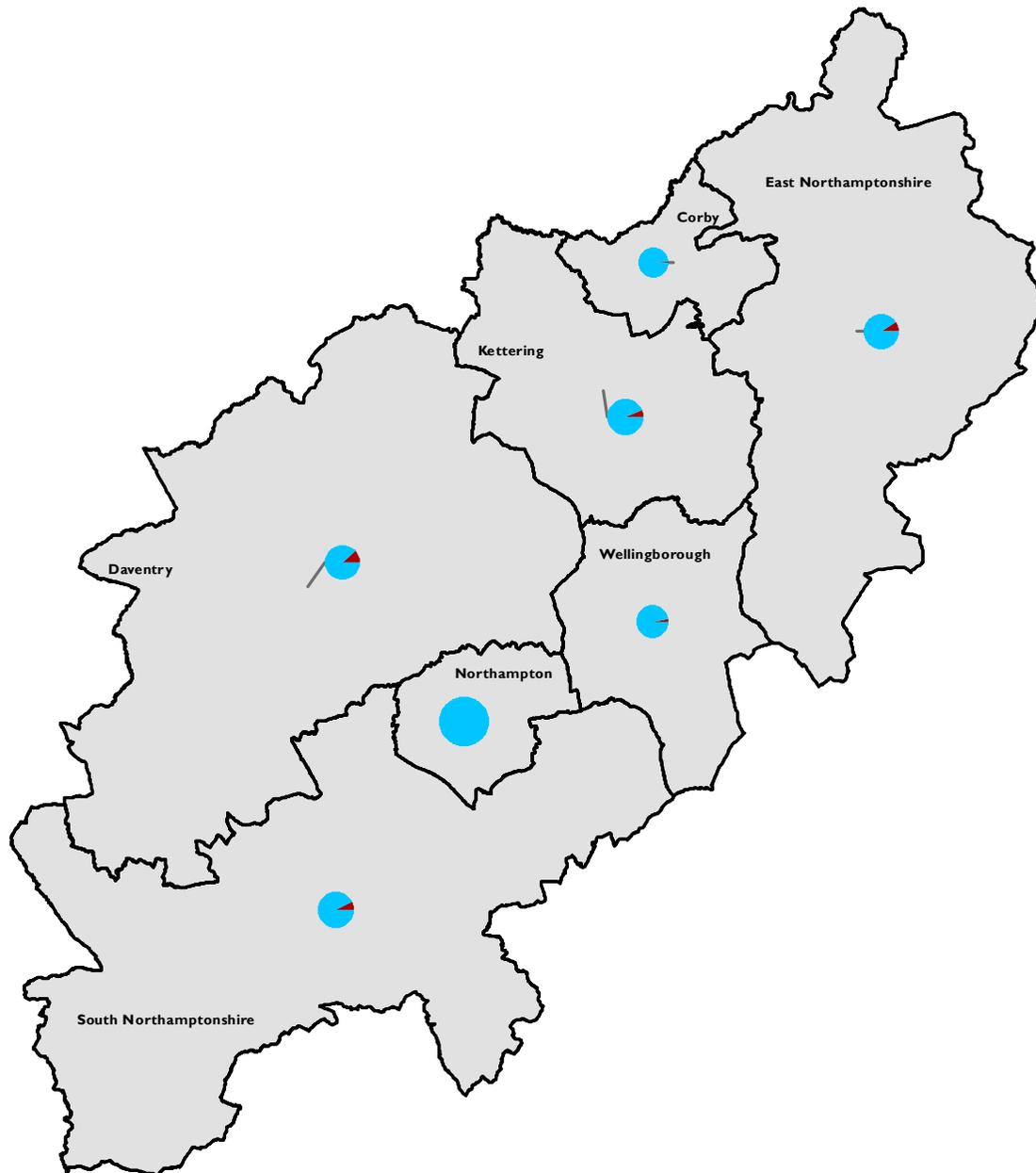
 Local Authority boundaries

Potential (heat) MW at 2020



 Plant biomass (heat)

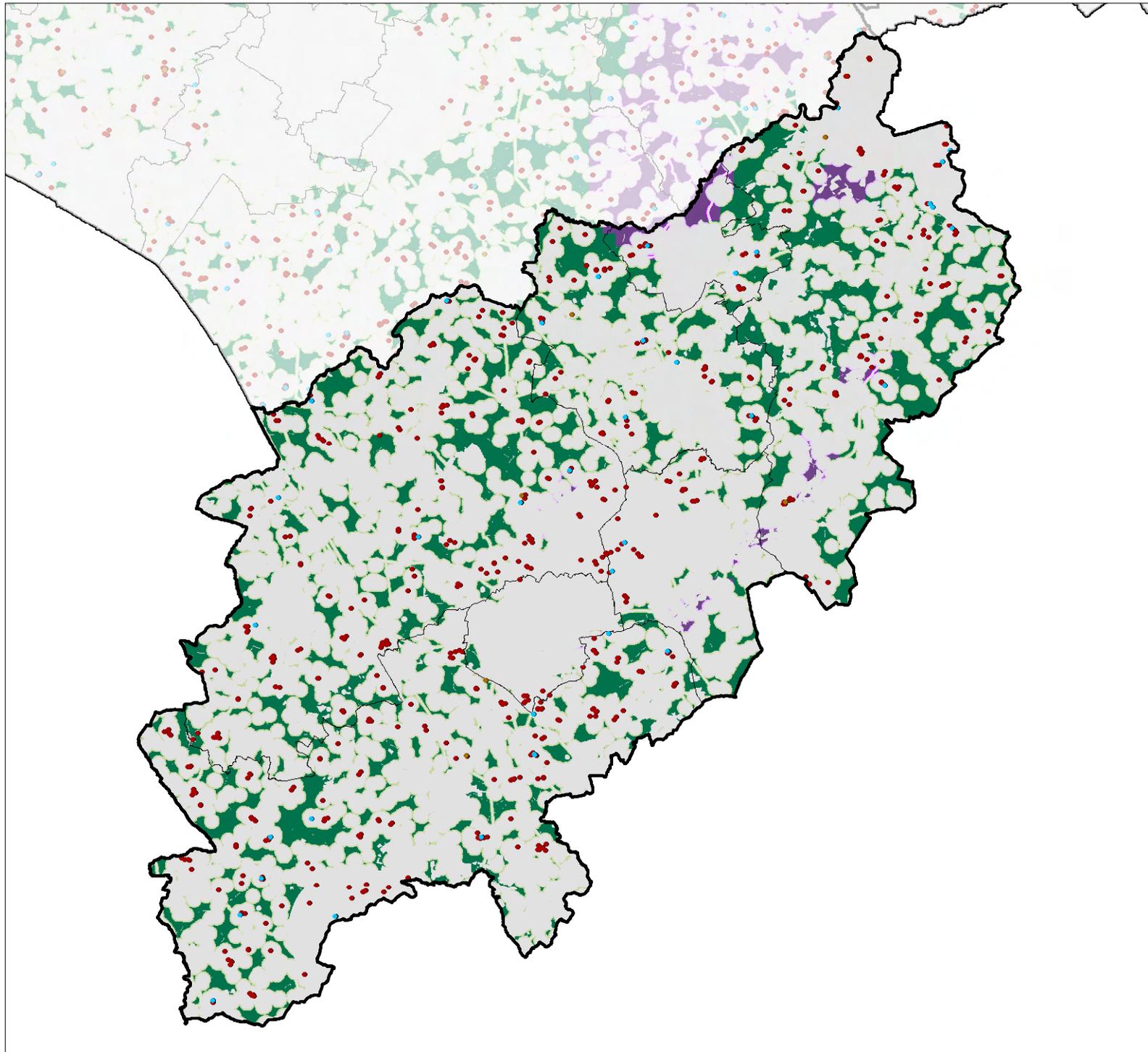
 Heat pumps and solar thermal



Source: Ordnance Survey,
Land Use Consultants, SQW

Date: 02/03/2011



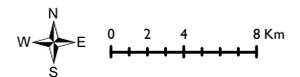


Low Carbon Energy Opportunities for Local Planning Areas across the East Midlands

Map 4.13: Northamptonshire onshore wind energy opportunity plan

Key

-  County boundary
-  Local Authority boundaries
- Small-scale wind (<6kW)
- Potential for community schemes
 -  Government Offices
 -  Tourism-related buildings
 -  Community buildings
- Commercial-scale onshore wind
- Highest potential (outside of sensitive areas)
 -  Large (4 turbines/km²)
 -  Medium (10 turbines/km²)
 -  Small (20 turbines/km²)
- Potential within areas with medium bird sensitivity
 -  Large (2 turbines/km²)
 -  Medium (5 turbines/km²)
 -  Small (10 turbines/km²)
- Potential within areas with high bird sensitivity
 -  Large (1 turbines/km²)
 -  Medium (2.5 turbines/km²)
 -  Small (5 turbines/km²)
- No potential
 -  Constrained (0 turbines/km²)



Source: Ordnance Survey, Natural England, DECC, English Heritage, RSPB, MOD, CAA

Date: 02/03/2011



Low Carbon Energy Opportunities for Local Planning Areas across the East Midlands

Map 4.14: Relative LPA electricity technical resource potential within Leicester, Leicestershire and Rutland

Key

 Local Authority boundaries

Potential (elec) MW at 2020



180

 Wind

 Plant biomass (elec)

 Animal biomass

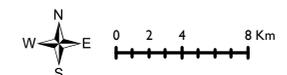
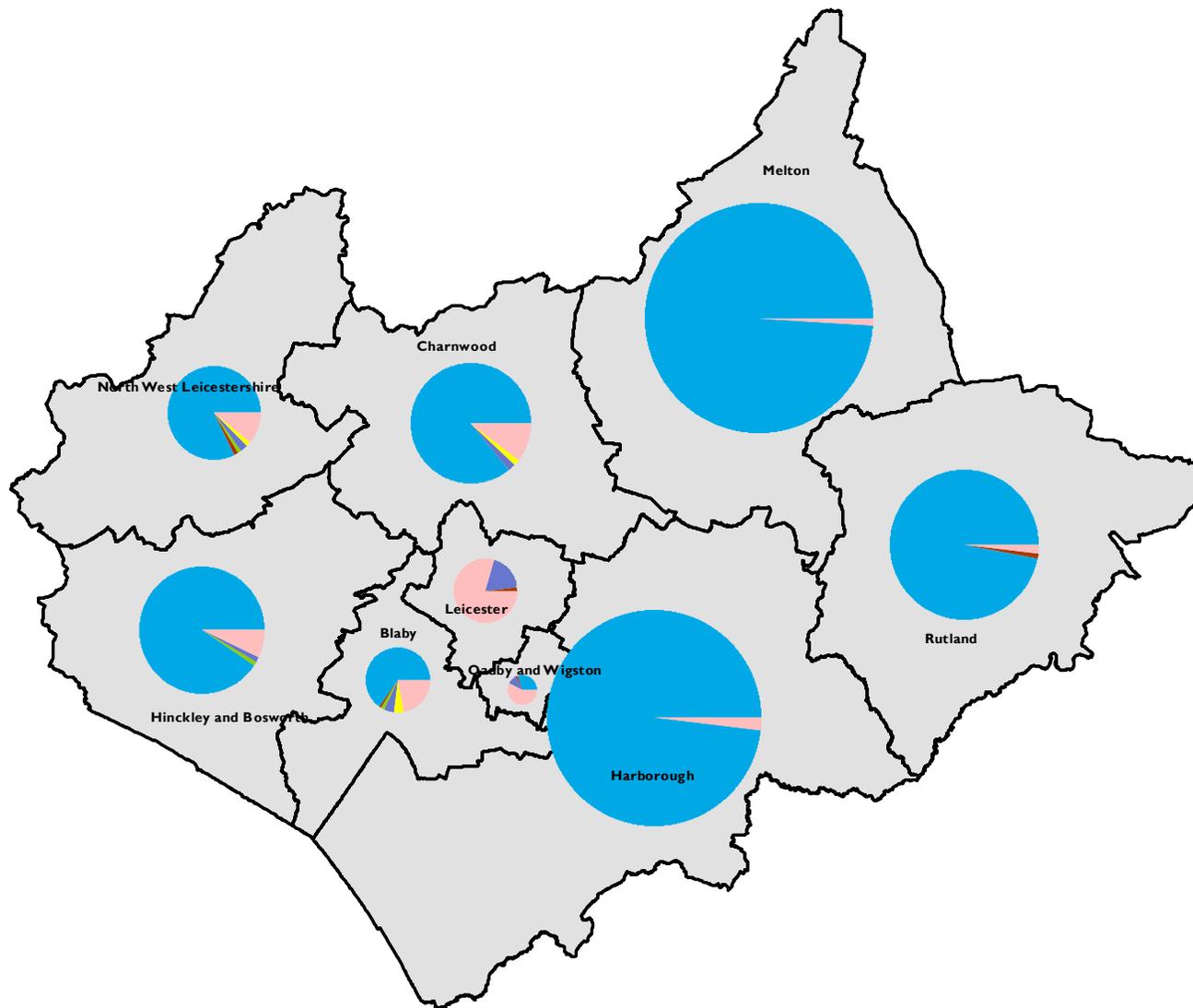
 Biomass_cofiring

 Waste

 Biogas

 Hydro

 Microgen (solar PV)



Source: Ordnance Survey,
Land Use Consultants, SQW

Date: 02/03/2011



Low Carbon Energy Opportunities for Local Planning Areas across the East Midlands

Map 4.15: Relative LPA heat technical resource potential within Leicester, Leicestershire and Rutland

Key

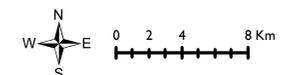
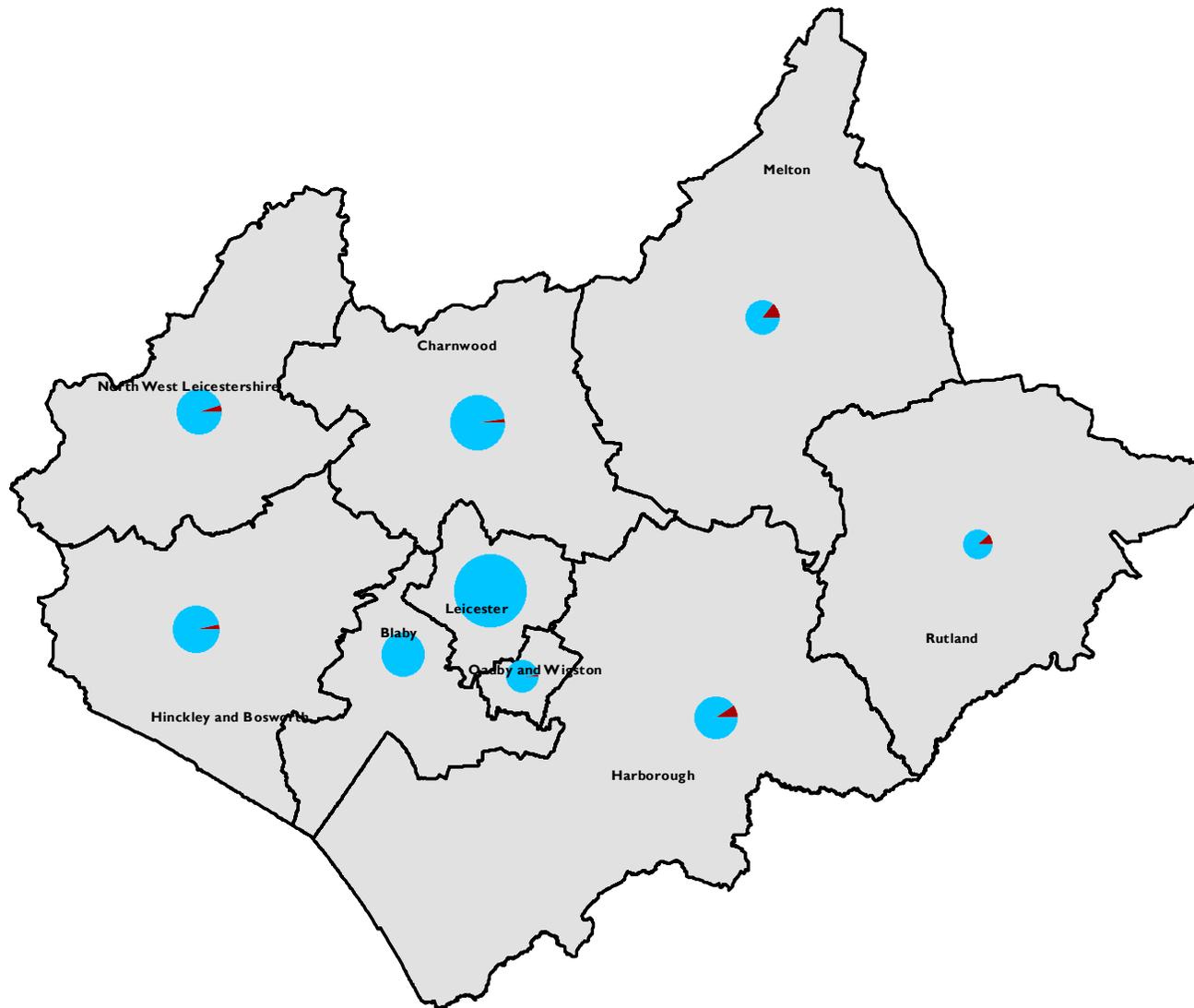
 Local Authority boundaries

Potential (heat) MW at 2020



 Plant biomass (heat)

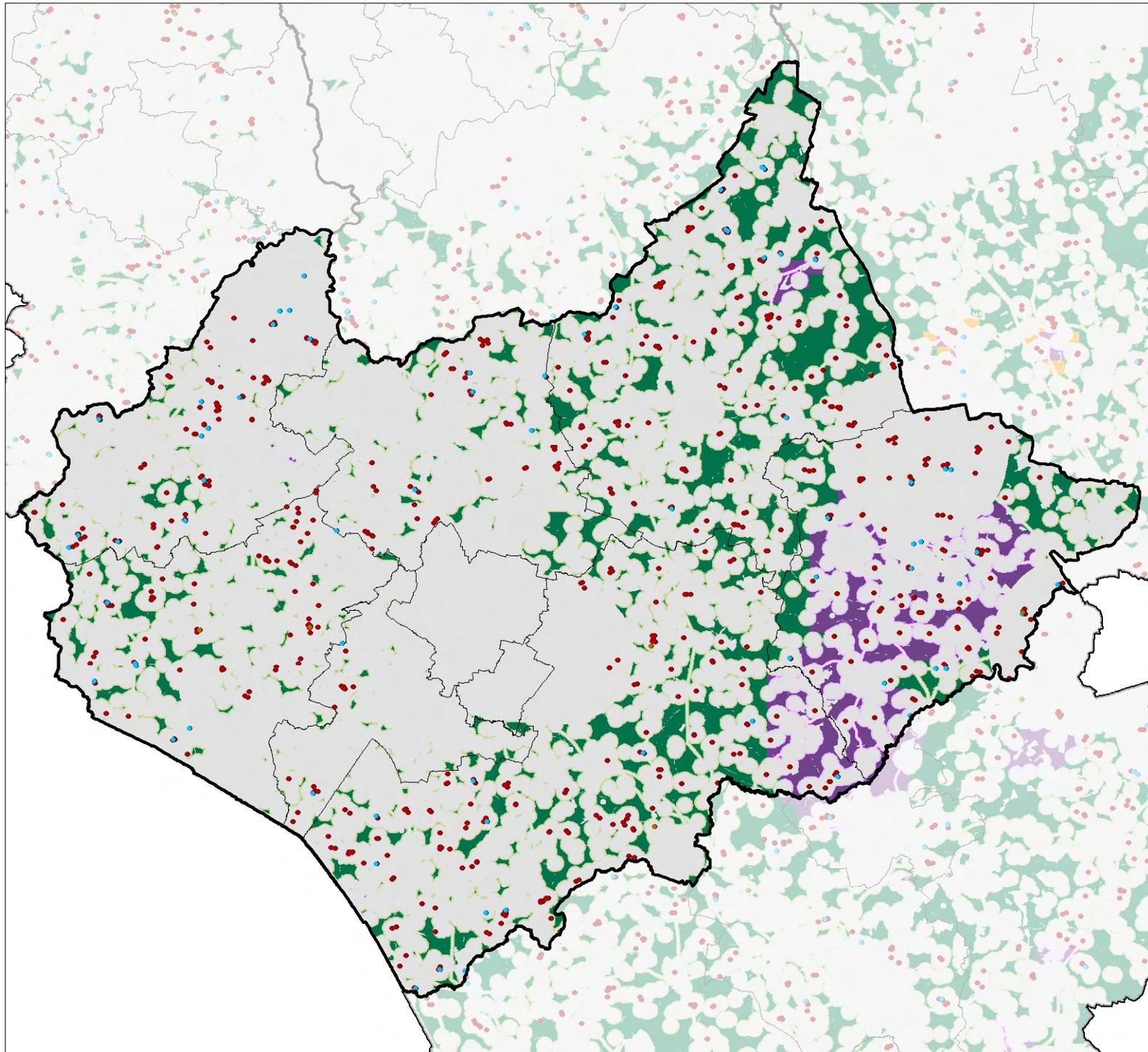
 Heat pumps and solar thermal



Source: Ordnance Survey, Land Use Consultants, SQW

Date: 02/03/2011



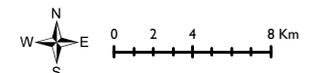


Low Carbon Energy Opportunities for Local Planning Areas across the East Midlands

Map 4.16: Leicester, Leicestershire and Rutland onshore wind energy opportunity plan

Key

-  County boundary
-  Local Authority boundaries
- Small-scale wind (<6kW)
- Potential for community schemes
 -  Government Offices
 -  Tourism-related buildings
 -  Community buildings
- Commercial-scale onshore wind
- Highest potential (outside of sensitive areas)
 -  Large (4 turbines/km²)
 -  Medium (10 turbines/km²)
 -  Small (20 turbines/km²)
- Potential within areas with medium bird sensitivity
 -  Large (2 turbines/km²)
 -  Medium (5 turbines/km²)
 -  Small (10 turbines/km²)
- Potential within areas with high bird sensitivity
 -  Large (1 turbines/km²)
 -  Medium (2.5 turbines/km²)
 -  Small (5 turbines/km²)
- No potential
-  Constrained (0 turbines/km²)

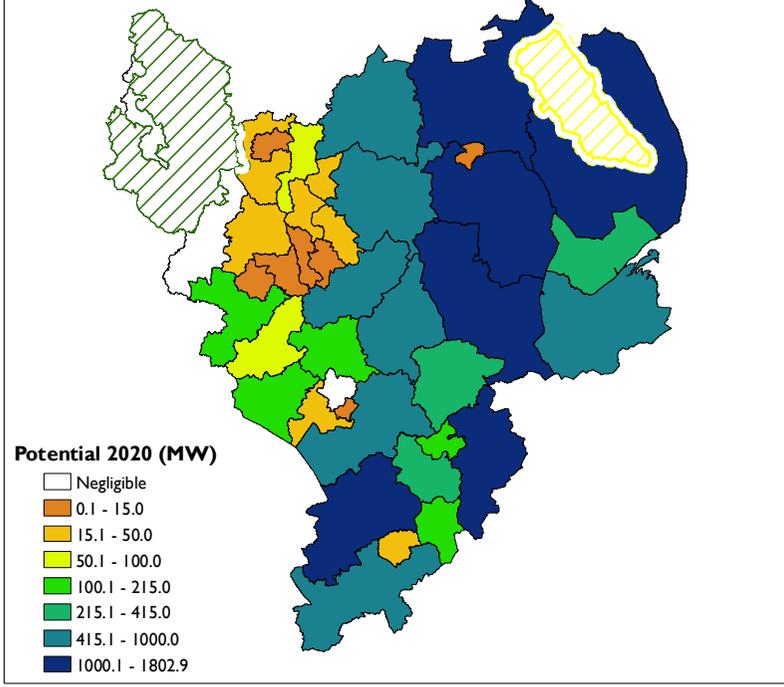


Source: Ordnance Survey, Natural England, DECC, English Heritage, RSPB, MOD, CAA

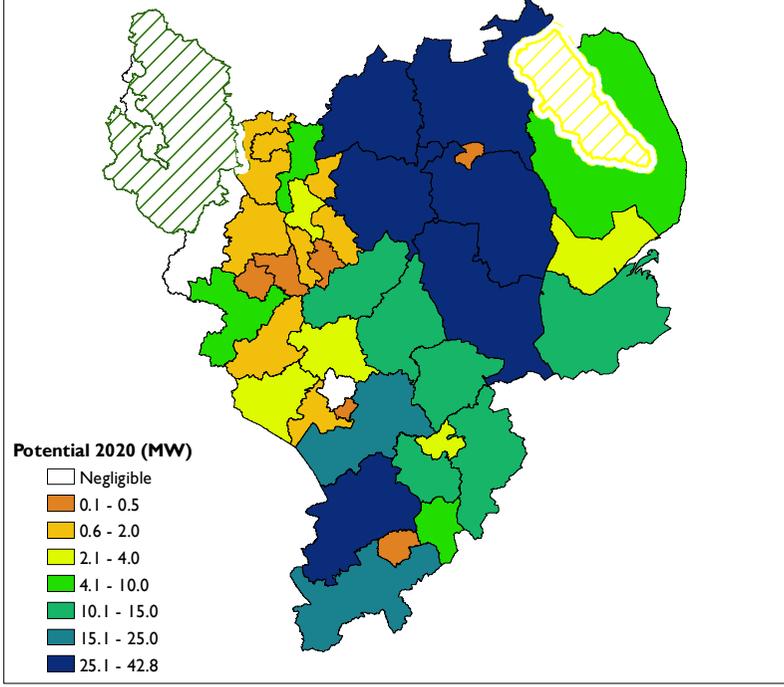
Date: 02/03/2011



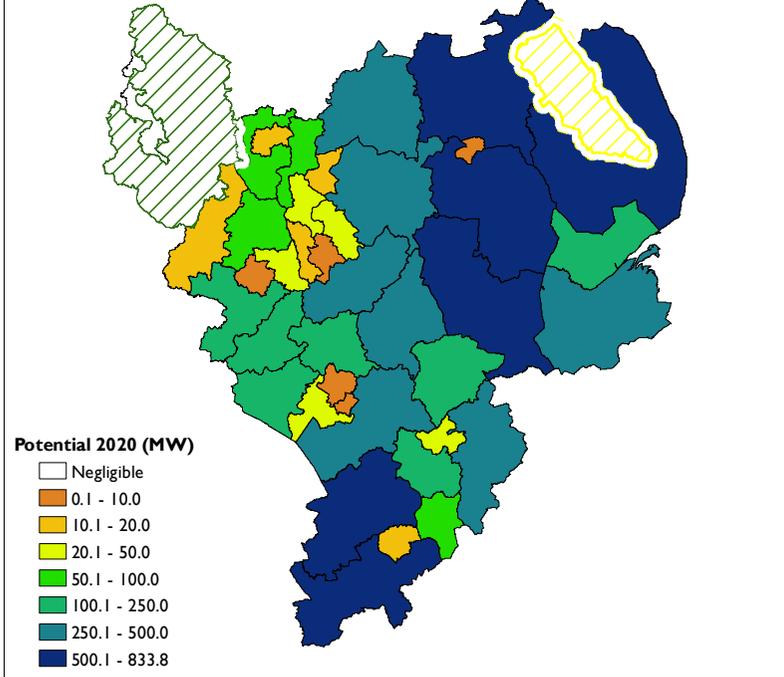
Commercial-scale wind (large turbines)



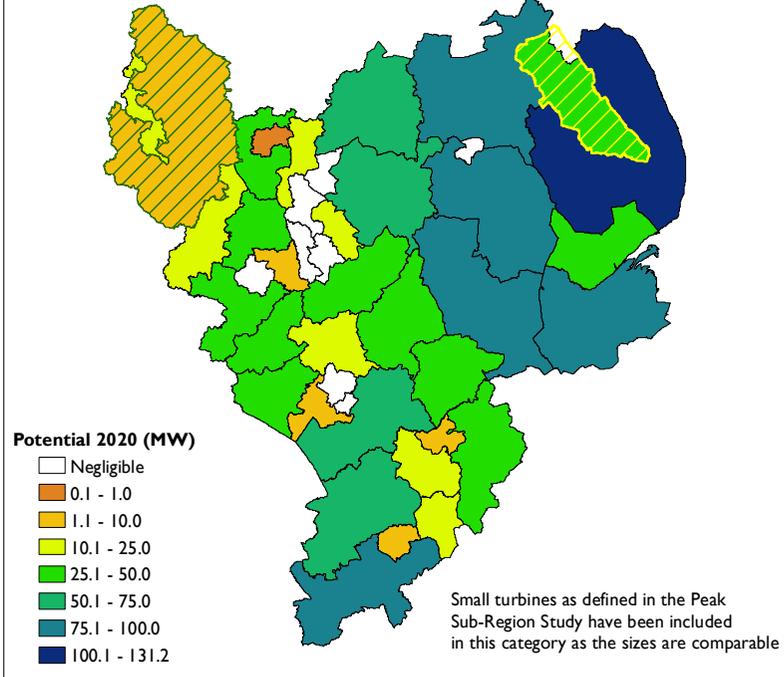
Commercial-scale wind (medium turbines)



Commercial-scale wind (small turbines)



Small-scale wind (<6kW)



Low Carbon Energy Opportunities for Local Planning Areas across the East Midlands

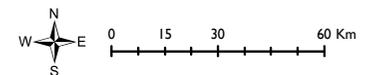
Map 4.17: Summary of potential for on-shore commercial-scale and small-scale wind (<6kW)

Key

Protected Landscapes

- Peak District National Park
- Indicates need to consider National Park purposes*
- Lincolnshire Wolds AONB
- Indicates need to consider AONB purposes*

*Indicative zone only - distance will vary according to circumstances

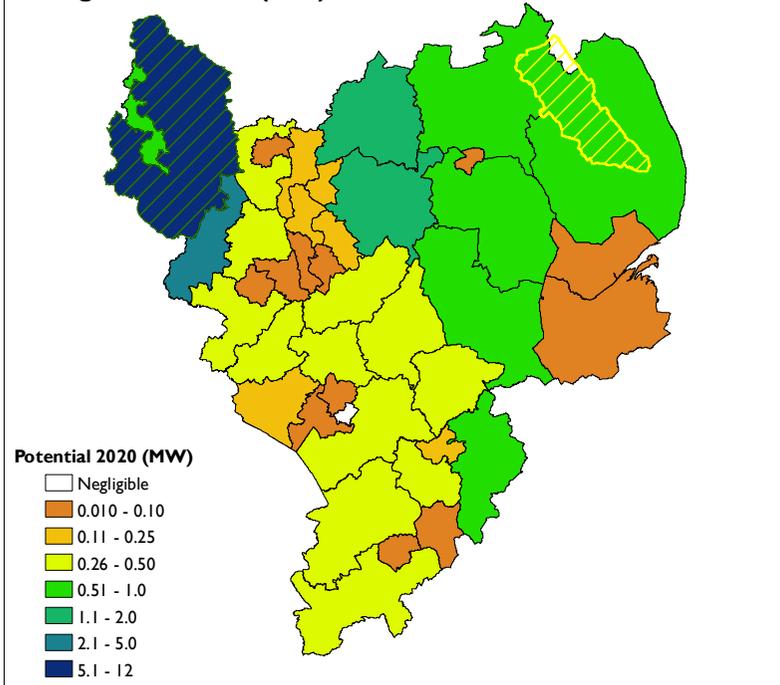


Source: Ordnance Survey, Natural England

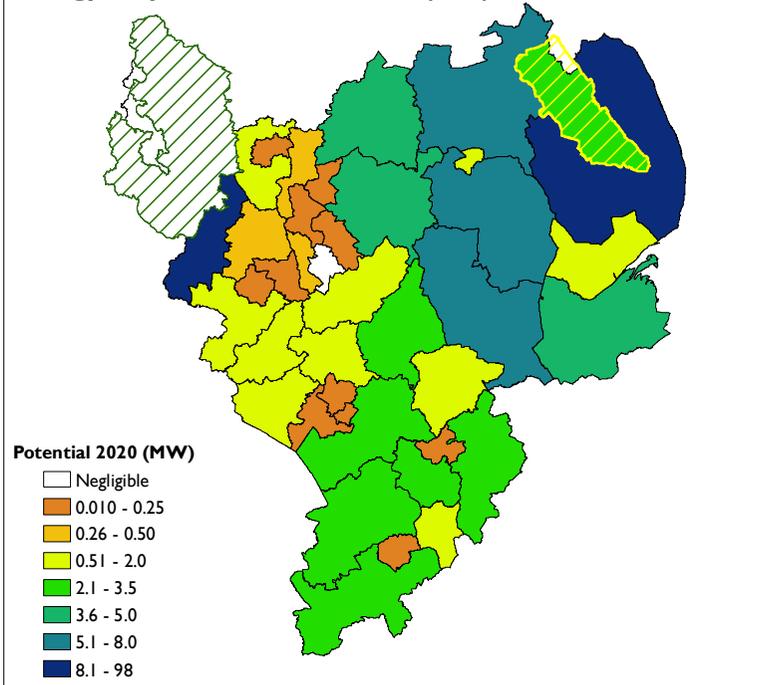
Date: 30/03/2011



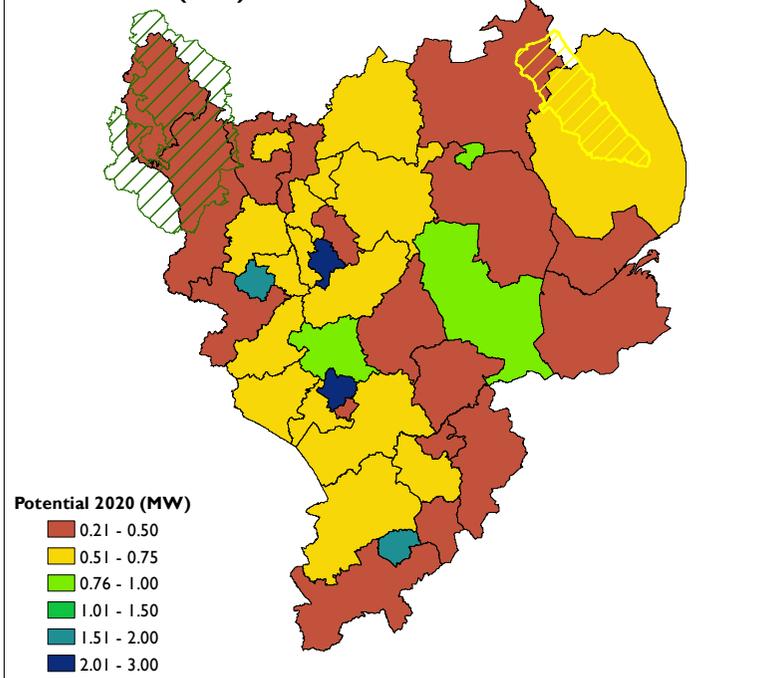
Managed woodland (elec)



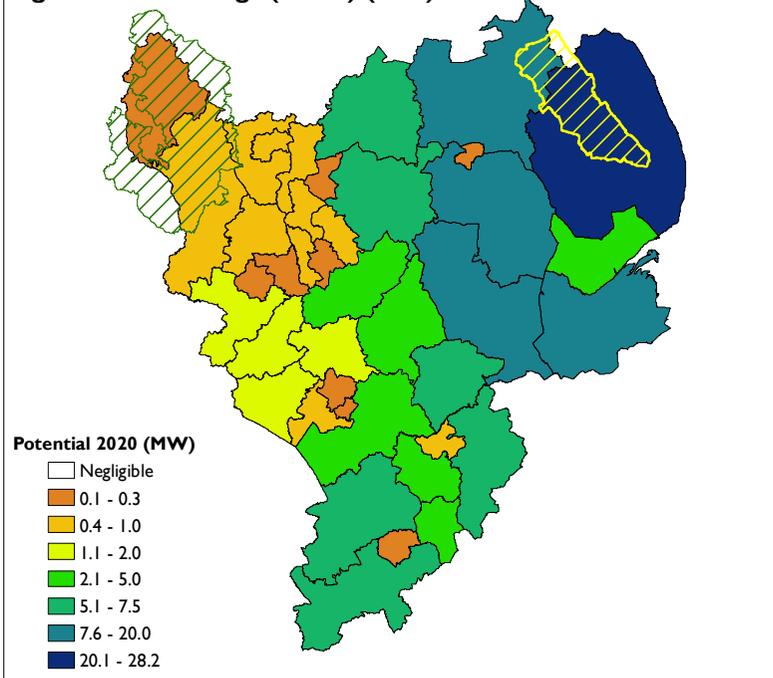
Energy crops - medium scenario (elec)



Waste wood (elec)



Agricultural arisings (straw) (elec)



Low Carbon Energy Opportunities for Local Planning Areas across the East Midlands

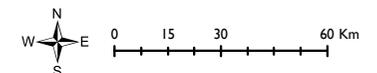
Map 4.18: Summary of potential for plant biomass (elec)

Key

Protected Landscapes

- Peak District National Park
- Lincolnshire Wolds AONB

Please note: For some sources of renewable energy generation looked at in this study there is no specific technical potential set out specifically for the Peak District National Park and the Lincolnshire Wolds AONB. For details of the data that is available specifically for these two designated areas please see Table 4.7.

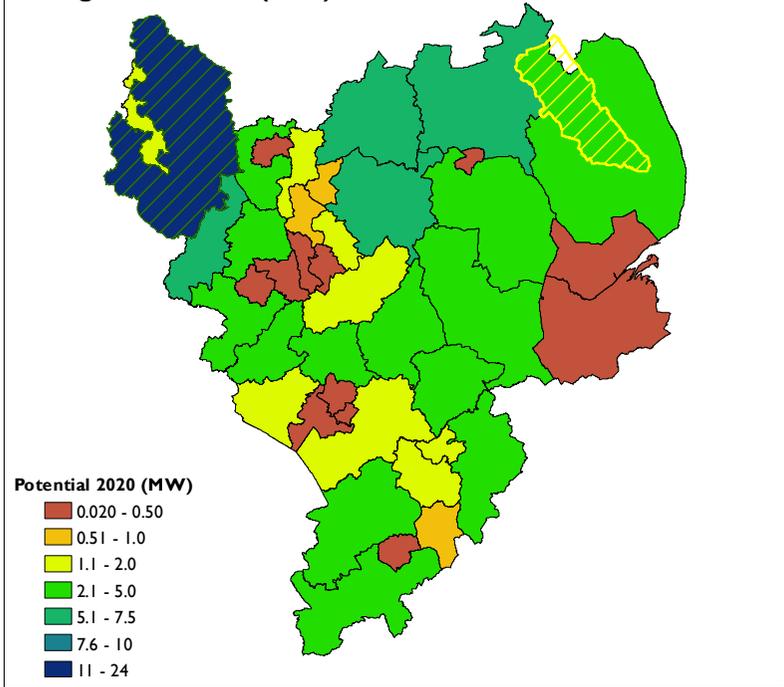


Source: Ordnance Survey, Natural England

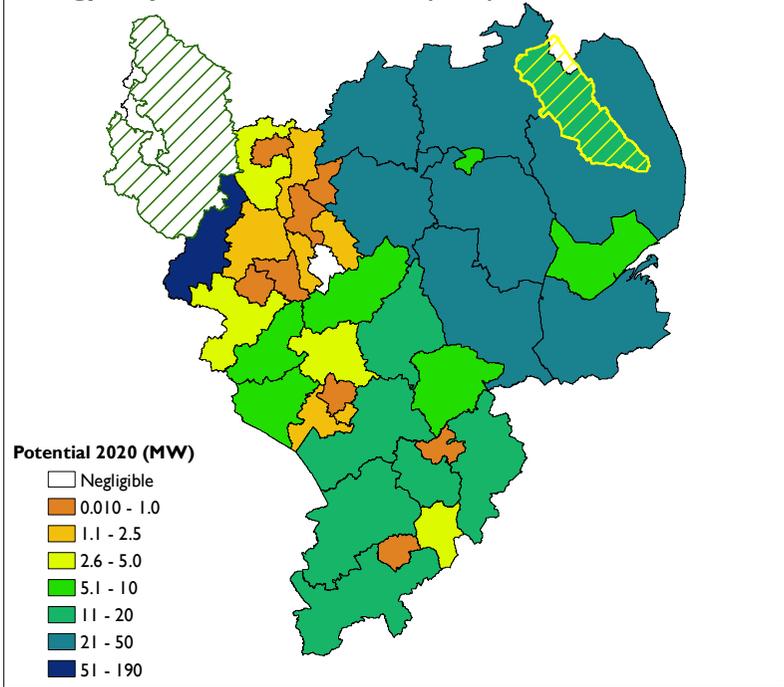
Date: 30/03/2011



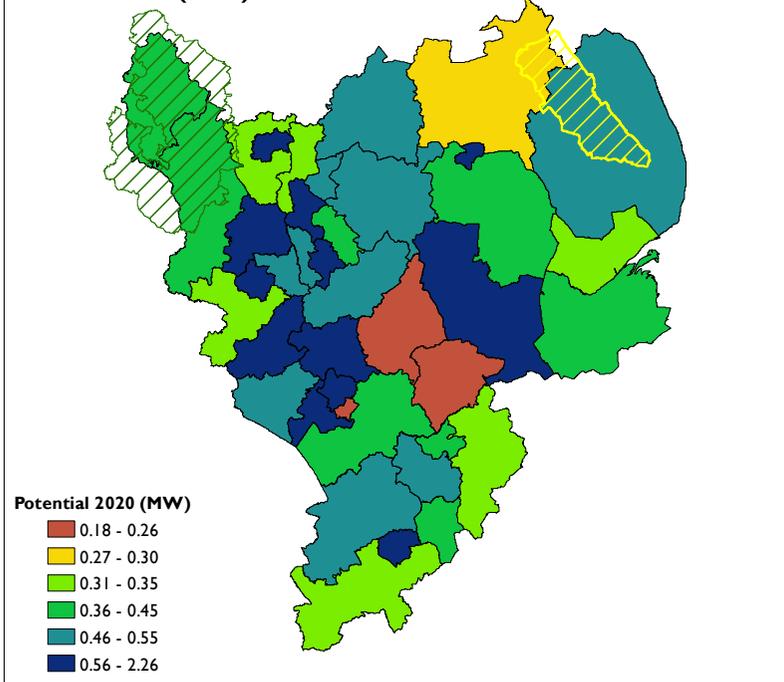
Managed woodland (heat)



Energy crops - medium scenario (heat)



Waste wood (heat)



Low Carbon Energy Opportunities for Local Planning Areas across the East Midlands

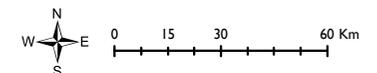
Map 4.19: Summary of potential for plant biomass (heat)

Key

Protected Landscapes

- Peak District National Park
- Lincolnshire Wolds AONB

Please note: For some sources of renewable energy generation looked at in this study there is no specific technical potential set out specifically for the Peak District National Park and the Lincolnshire Wolds AONB. For details of the data that is available specifically for these two designated areas please see Table 4.7.

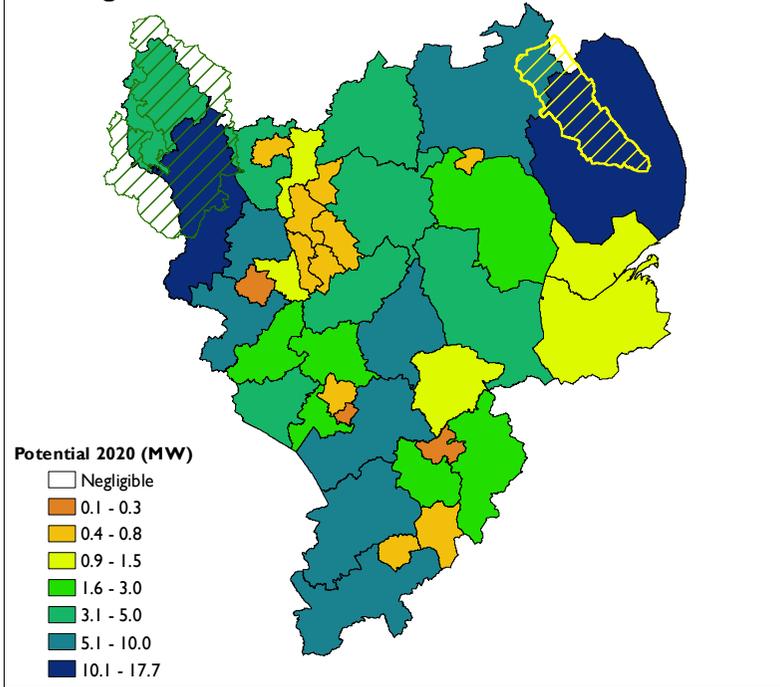


Source: Ordnance Survey, Natural England

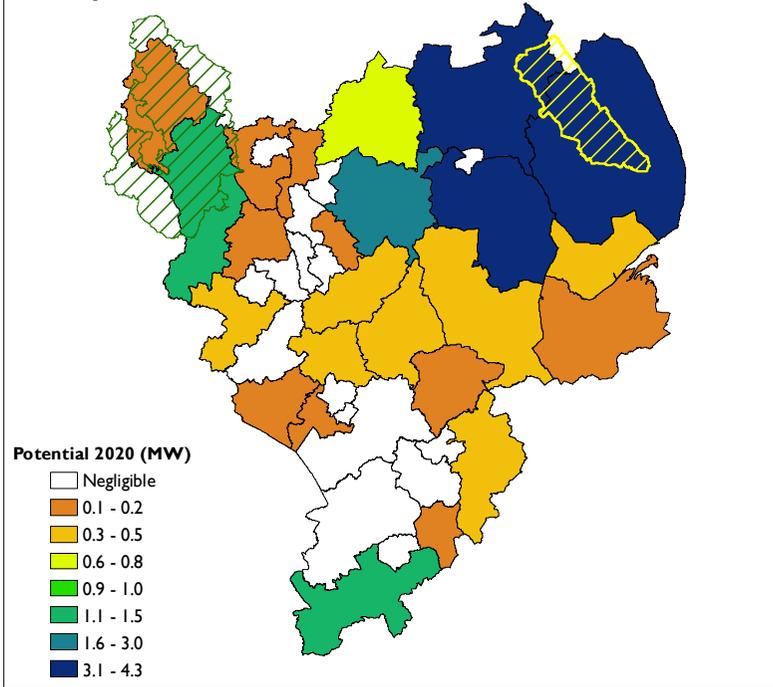
Date: 30/03/2011



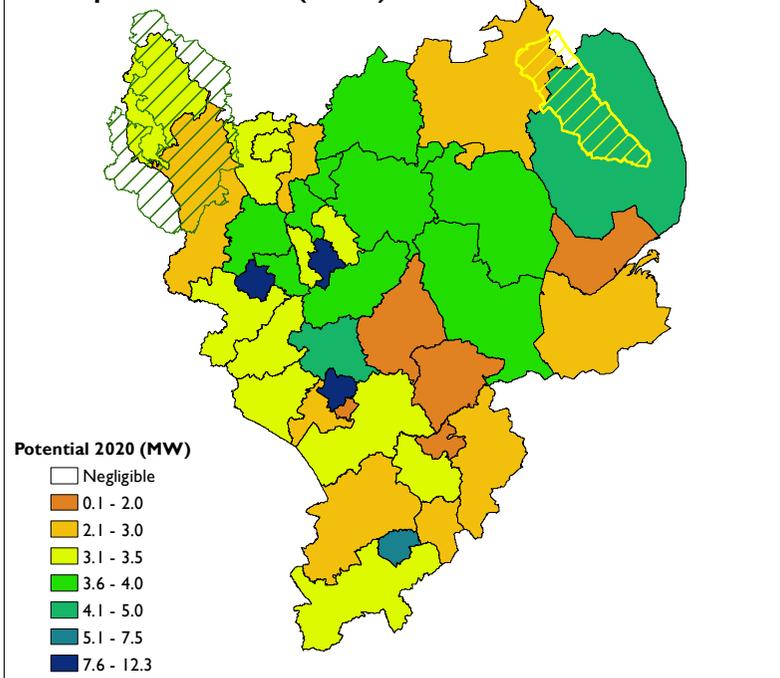
Wet organic waste



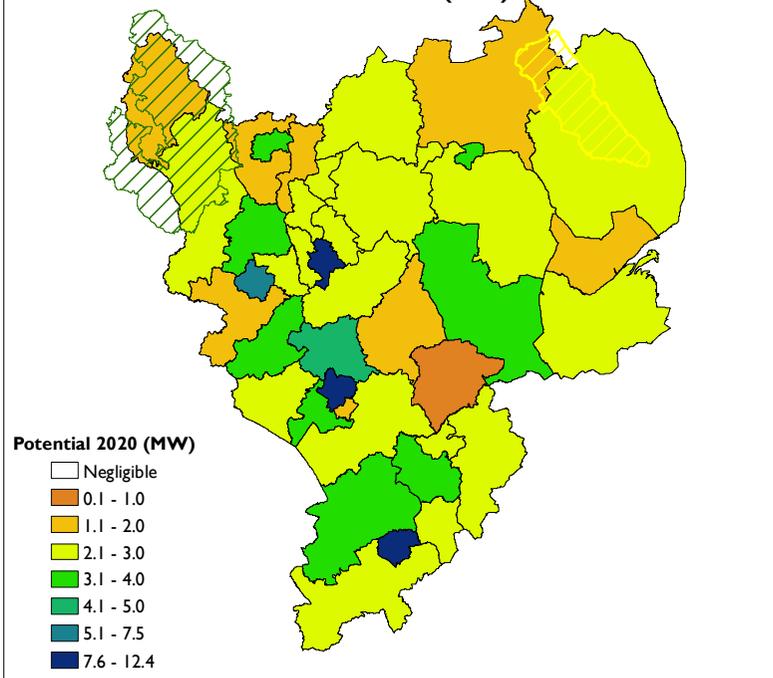
Poultry litter



Municipal Solid Waste (MSW)



Commercial and Industrial Waste (C&I)



Low Carbon Energy Opportunities for Local Planning Areas across the East Midlands

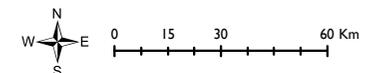
Map 4.20: Summary of potential for animal biomass and waste

Key

Protected Landscapes

- Peak District National Park
- Lincolnshire Wolds AONB

Please note: For some sources of renewable energy generation looked at in this study there is no specific technical potential set out specifically for the Peak District National Park and the Lincolnshire Wolds AONB. For details of the data that is available specifically for these two designated areas please see Table 4.7.

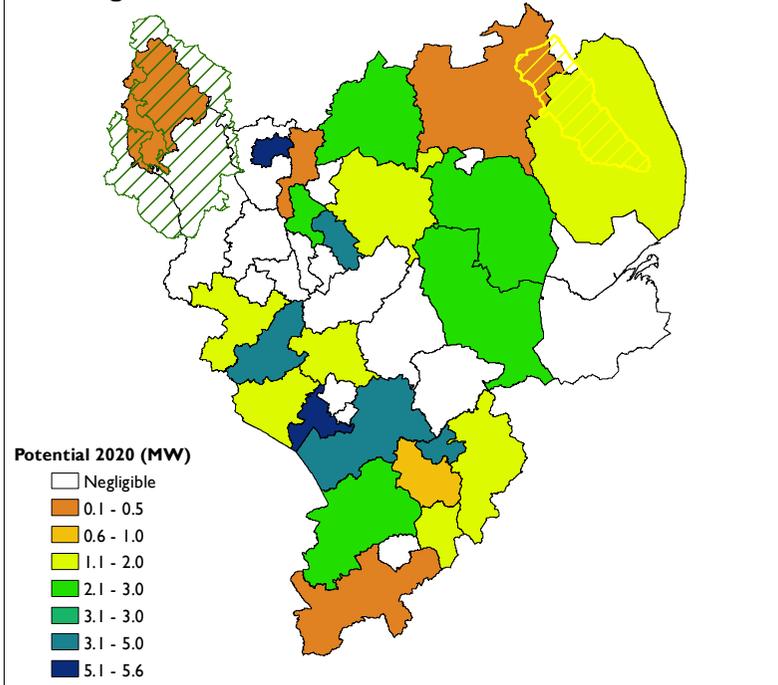


Source: Ordnance Survey, Natural England

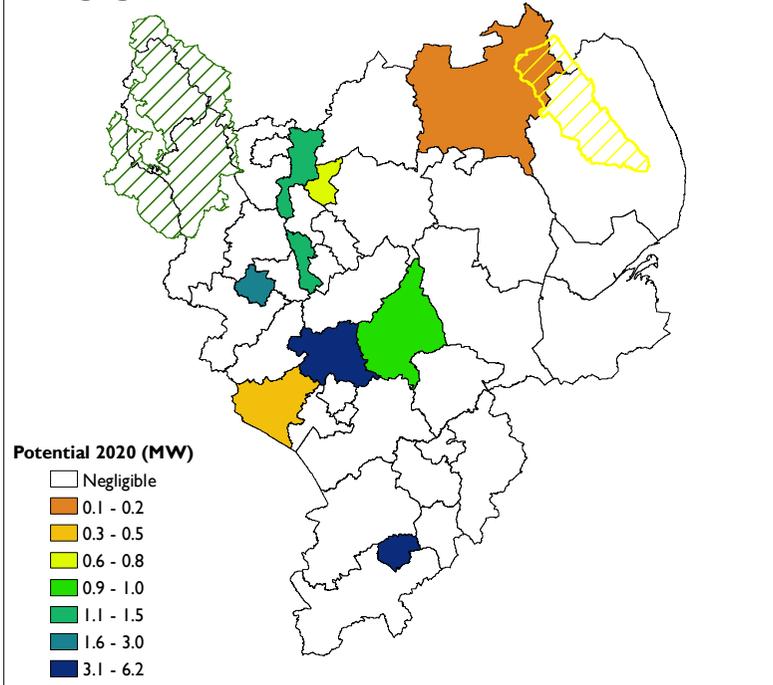
Date: 30/03/2011



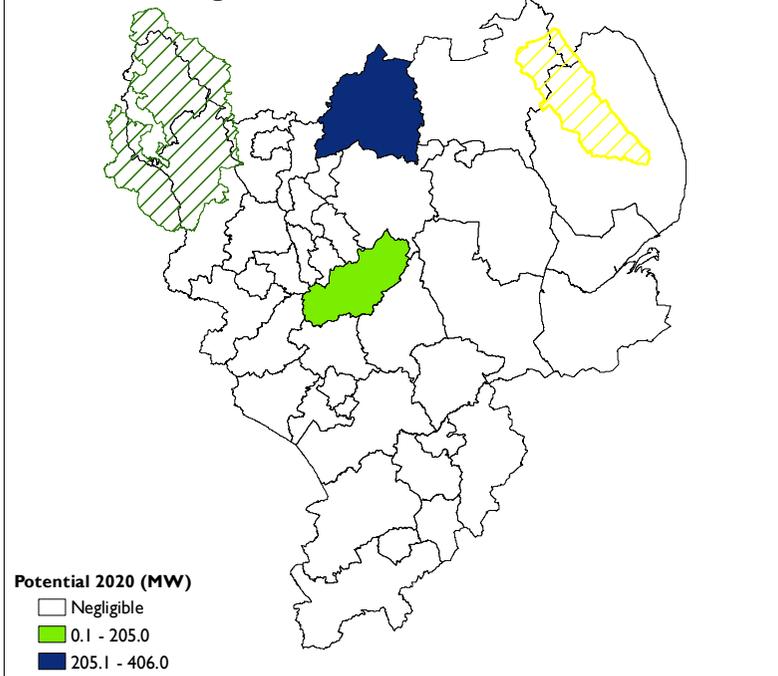
Landfill gas



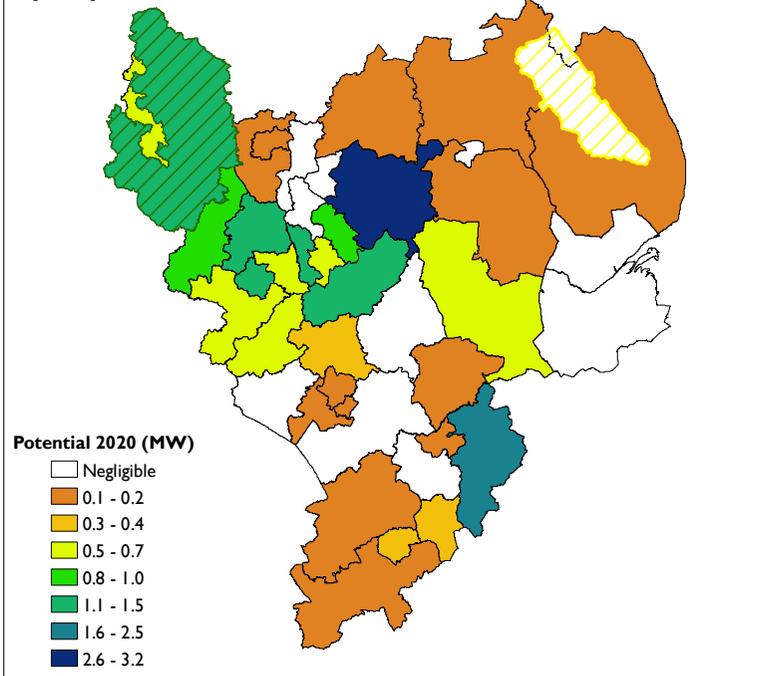
Sewage gas



Biomass co-firing



Hydropower



Low Carbon Energy Opportunities for Local Planning Areas across the East Midlands

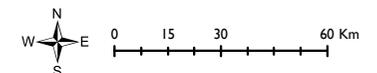
Map 4.21: Summary of potential for biogas, biomass co-firing and hydropower

Key

Protected Landscapes

- Peak District National Park
- Lincolnshire Wolds AONB

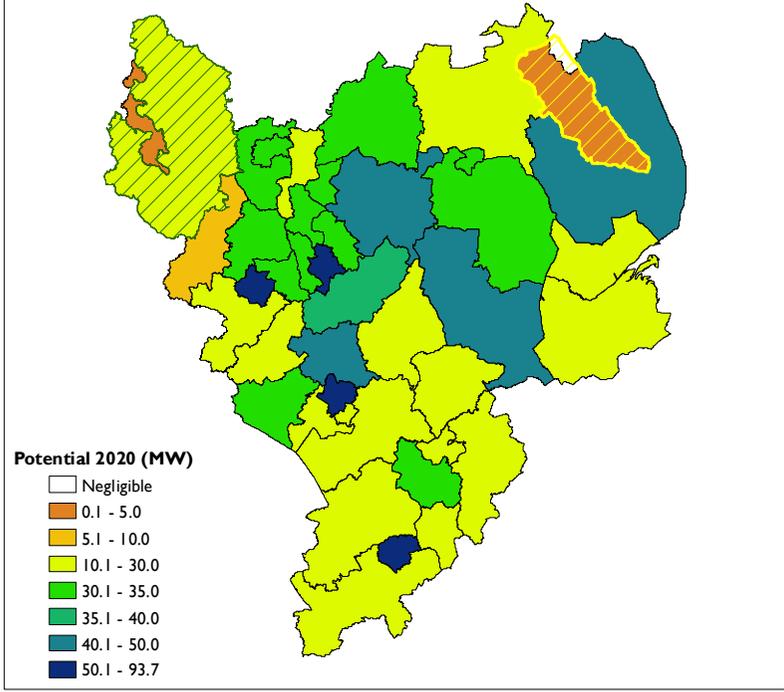
Please note: For some sources of renewable energy generation looked at in this study there is no specific technical potential set out specifically for the Peak District National Park and the Lincolnshire Wolds AONB. For details of the data that is available specifically for these two designated areas please see Table 4.7.



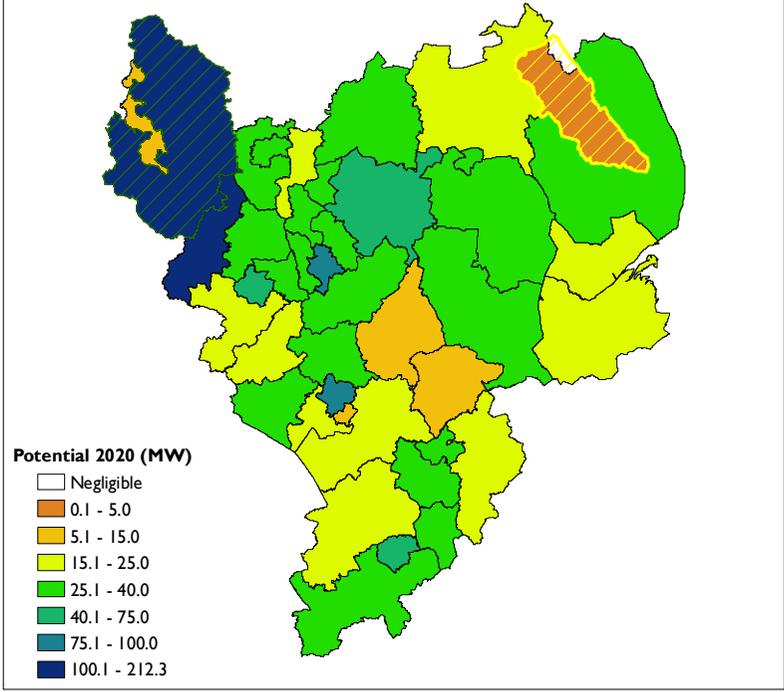
Source: Ordnance Survey, Natural England, EA
Date: 30/03/2011



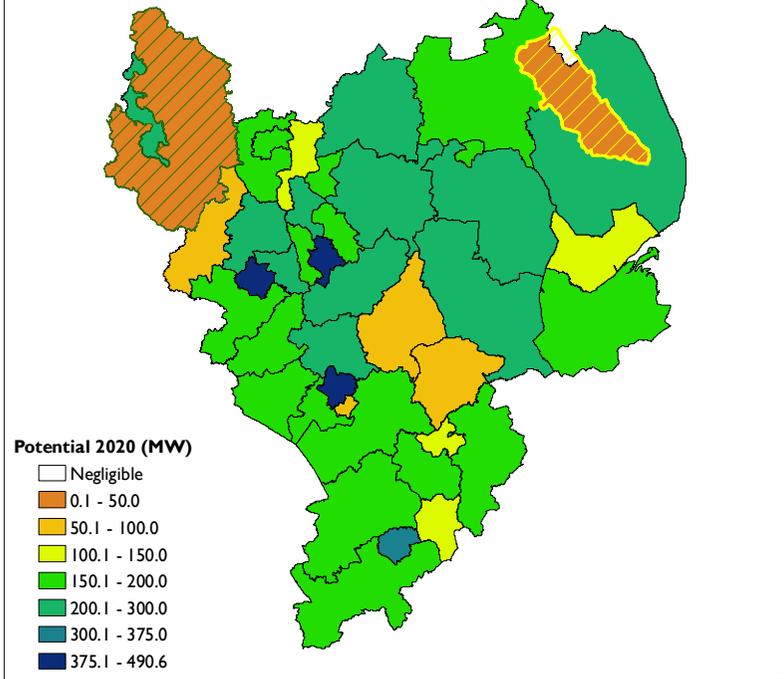
Solar PV



Solar thermal



Heat pumps



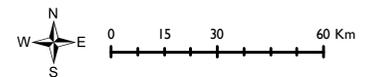
Low Carbon Energy Opportunities for Local Planning Areas across the East Midlands

Map 4.22: Summary of potential for microgeneration

Key

Protected Landscapes

- Peak District National Park
- Lincolnshire Wolds AONB



Source: Ordnance Survey, Natural England,

Date: 03/03/2011



Low Carbon Energy Opportunities for Local Planning Areas across the East Midlands

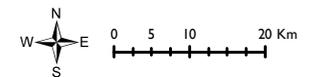
Map 4.23: Summary of potential in East Midlands (elec)

Key

-  East Midlands
-  Local Authority boundaries
- Protected Landscapes
 -  Peak District National Park
 -  Lincolnshire Wolds AONB

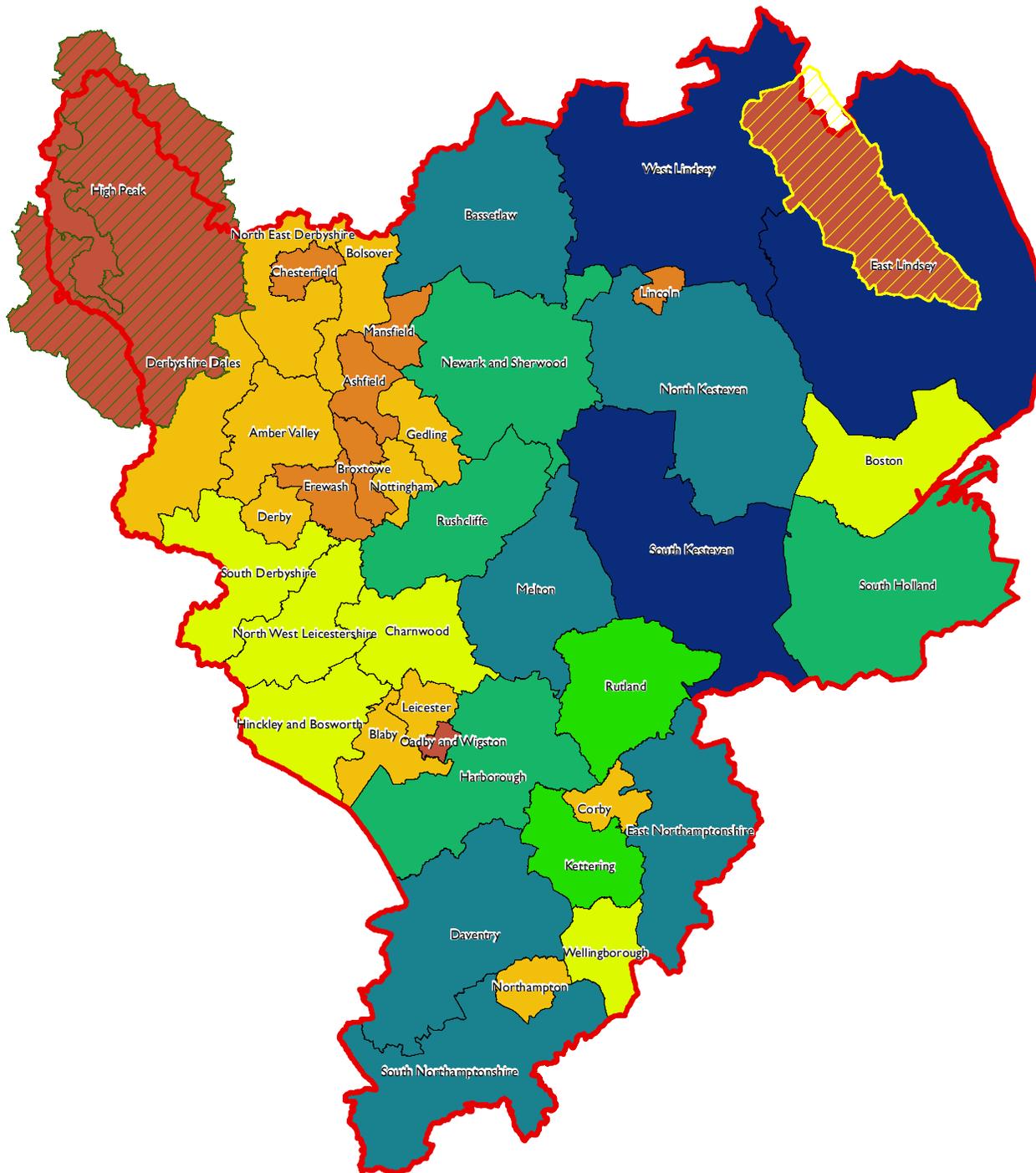
Total potential electricity (MW)

-  25 - 50
-  51 - 100
-  101 - 250
-  251 - 500
-  501 - 1000
-  1001 - 1500
-  1501 - 2000
-  2001 - 2847



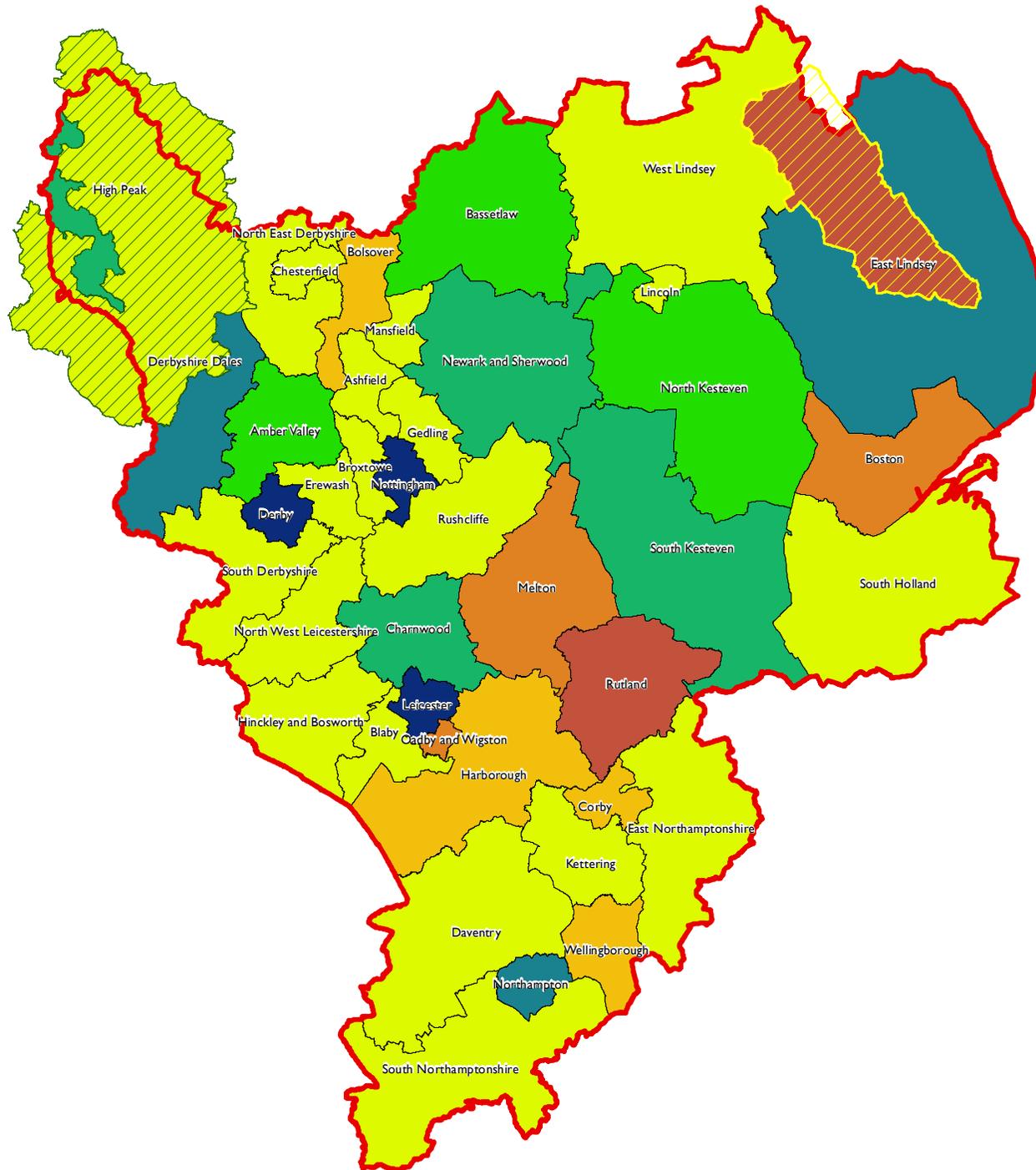
Source: Ordnance Survey, Natural England

Date: 03/03/2011



Low Carbon Energy Opportunities for Local Planning Areas across the East Midlands

Map 4.24: Summary of potential in East Midlands (heat)

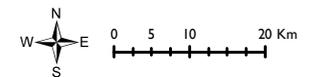


Key

-  East Midlands
-  Local Authority boundaries
- Protected Landscapes
 -  Peak District National Park
 -  Lincolnshire Wolds AONB

Total potential heat (MW)

-  44 - 100
-  101 - 150
-  151 - 200
-  201 - 250
-  251 - 300
-  301 - 350
-  351 - 450
-  451 - 571



Source: Ordnance Survey, Natural England

Date: 03/03/2011

