





LEGEND

-  National Parks
-  SPA
-  SAC
-  SSSI

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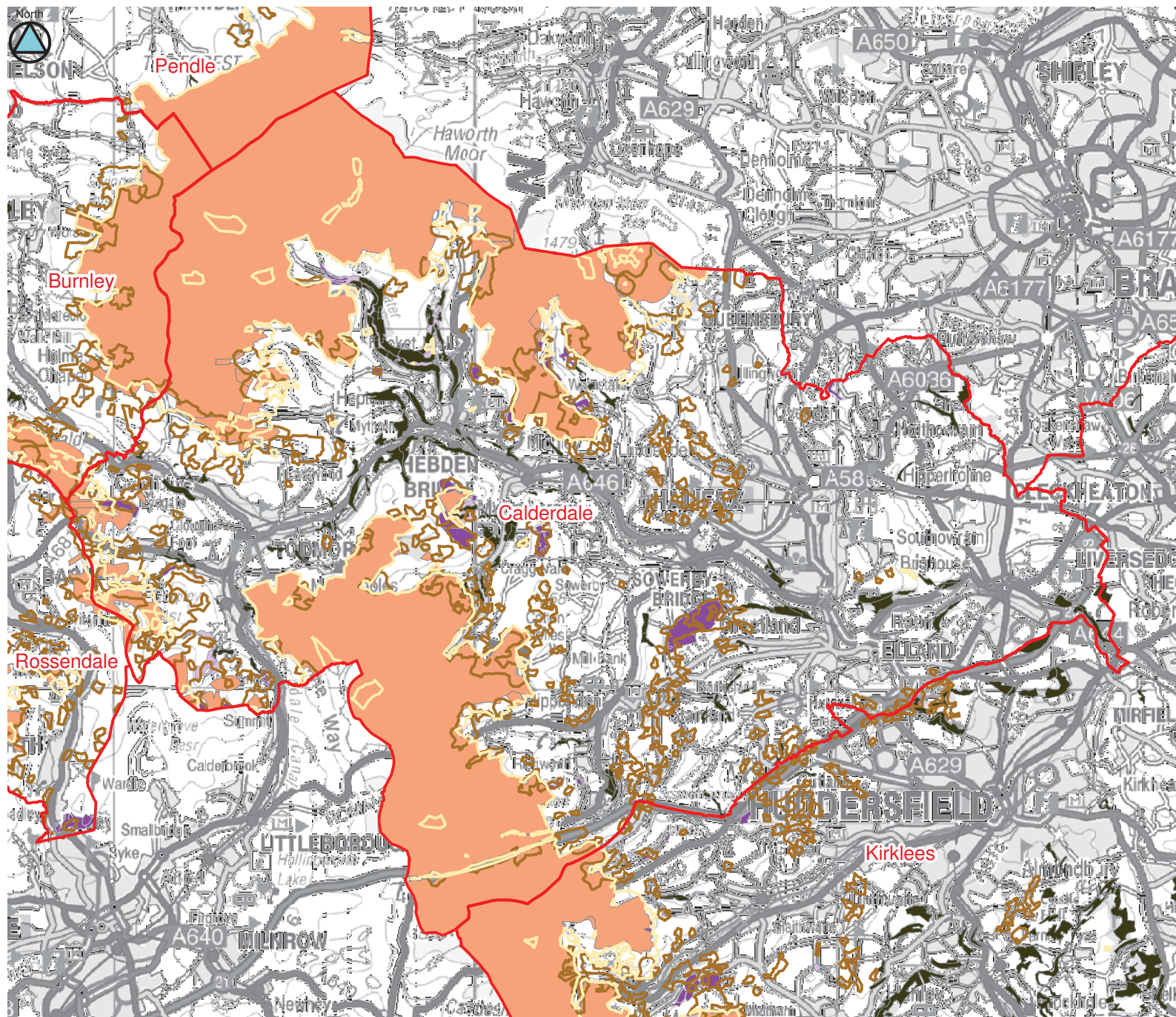


FIGURE A1

ENVIRONMENTAL
DESIGNATIONS

Scale 1:109,767 @ A3
1 0.5 0 1 Kilometers

Calderdale



LEGEND

- Mire fen bog networks
- Healthland networks
- Blanket bog
- Ancient Woodland
- Upland heathland
- Purple moor grass and rush pasture

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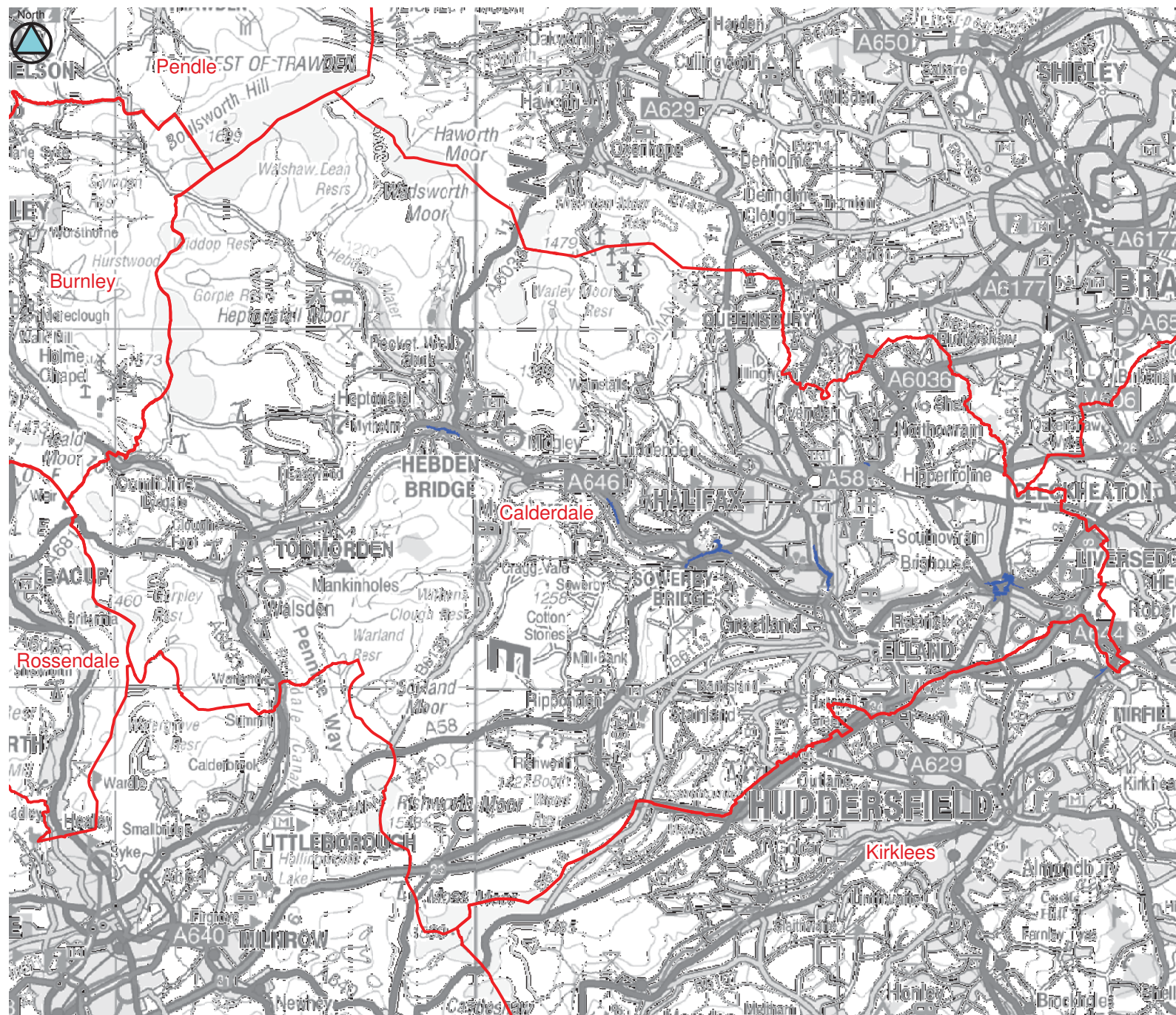


FIGURE A2

BIODIVERSITY ACTION PLAN
PRIORITY HABITATS (BAPs)

Scale 1:109,767 @ A3 10.50 1 Kilometers

Calderdale



Scale 1:109,767 @ A3
 1 0.5 0 1 Kilometers

Calderdale

LEGEND

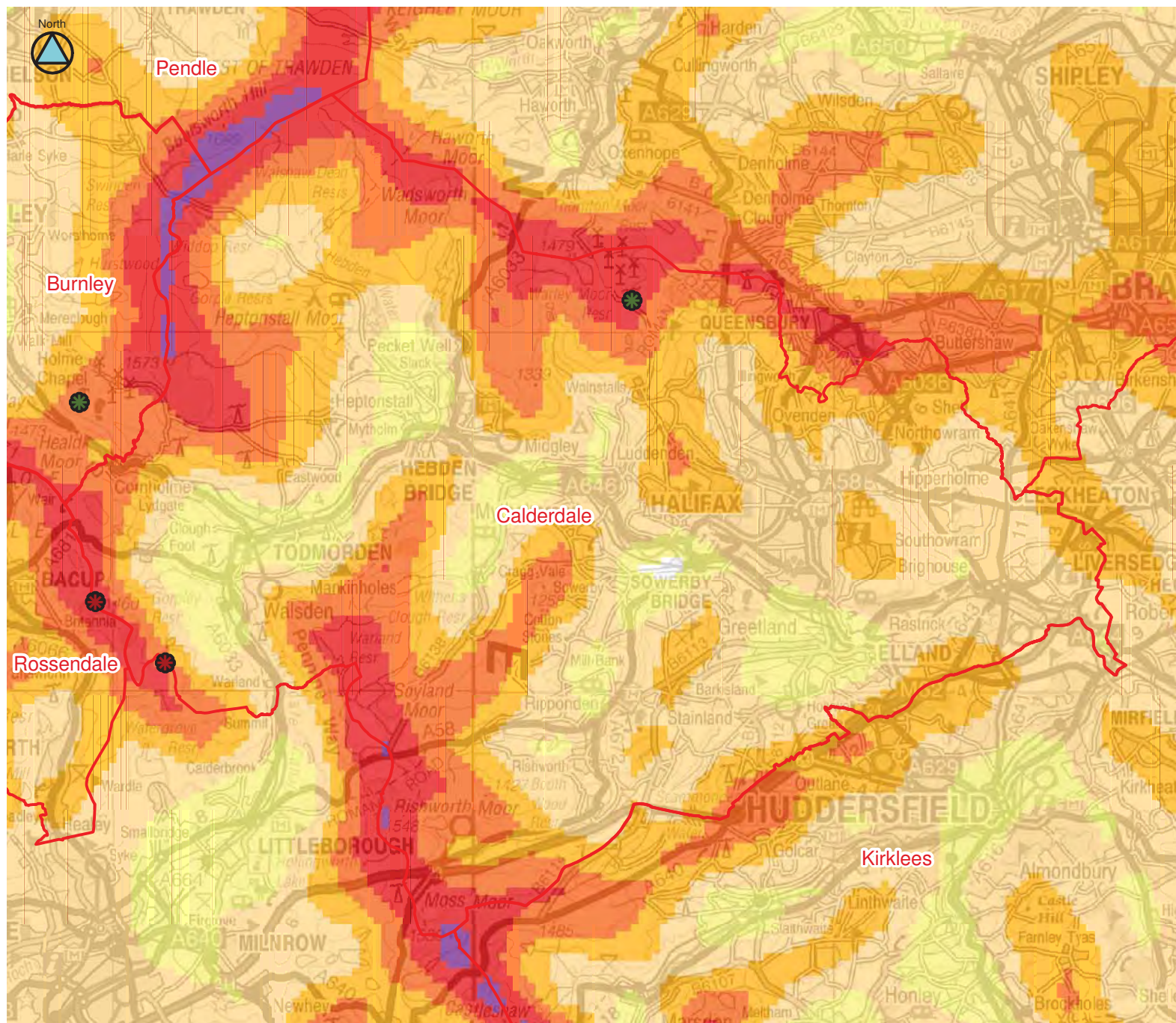
 Air Quality Management Areas

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FIGURE A3

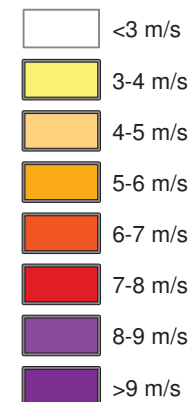
AIR QUALITY MANAGEMENT
 AREAS



LEGEND

-  Consented Wind Farms
-  Operational Wind Farms

Wind Speed (m/s) at 10m AGL



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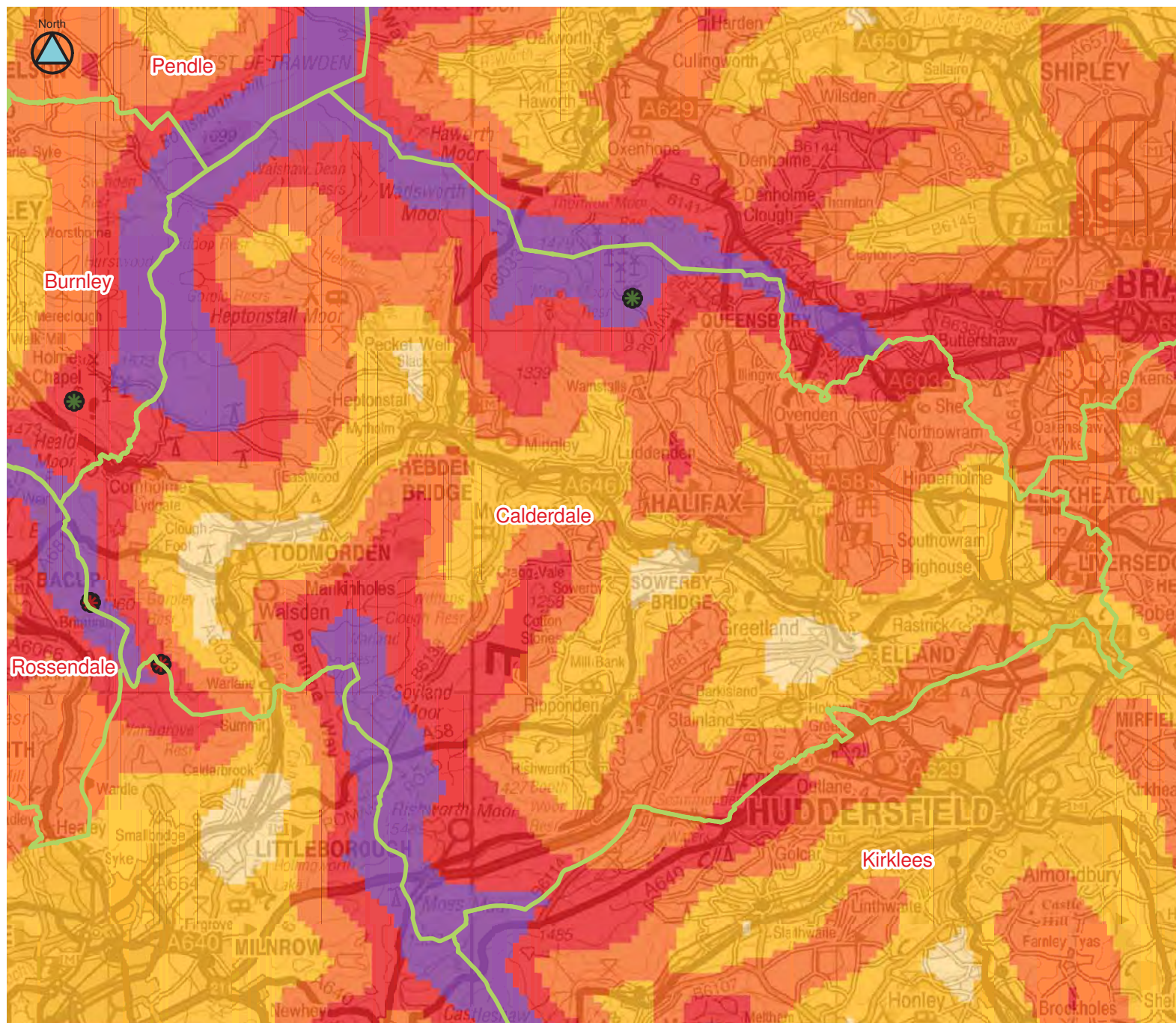


FIGURE A4



Wind Resources Map 10m AGL

Scale 1:111,093 @ A3 1 0.5 0 1 Kilometers

Calderdale



LEGEND

-  Consented Wind Farms
-  Operational Wind Farms

Wind Speed (m/s) at 45m AGL



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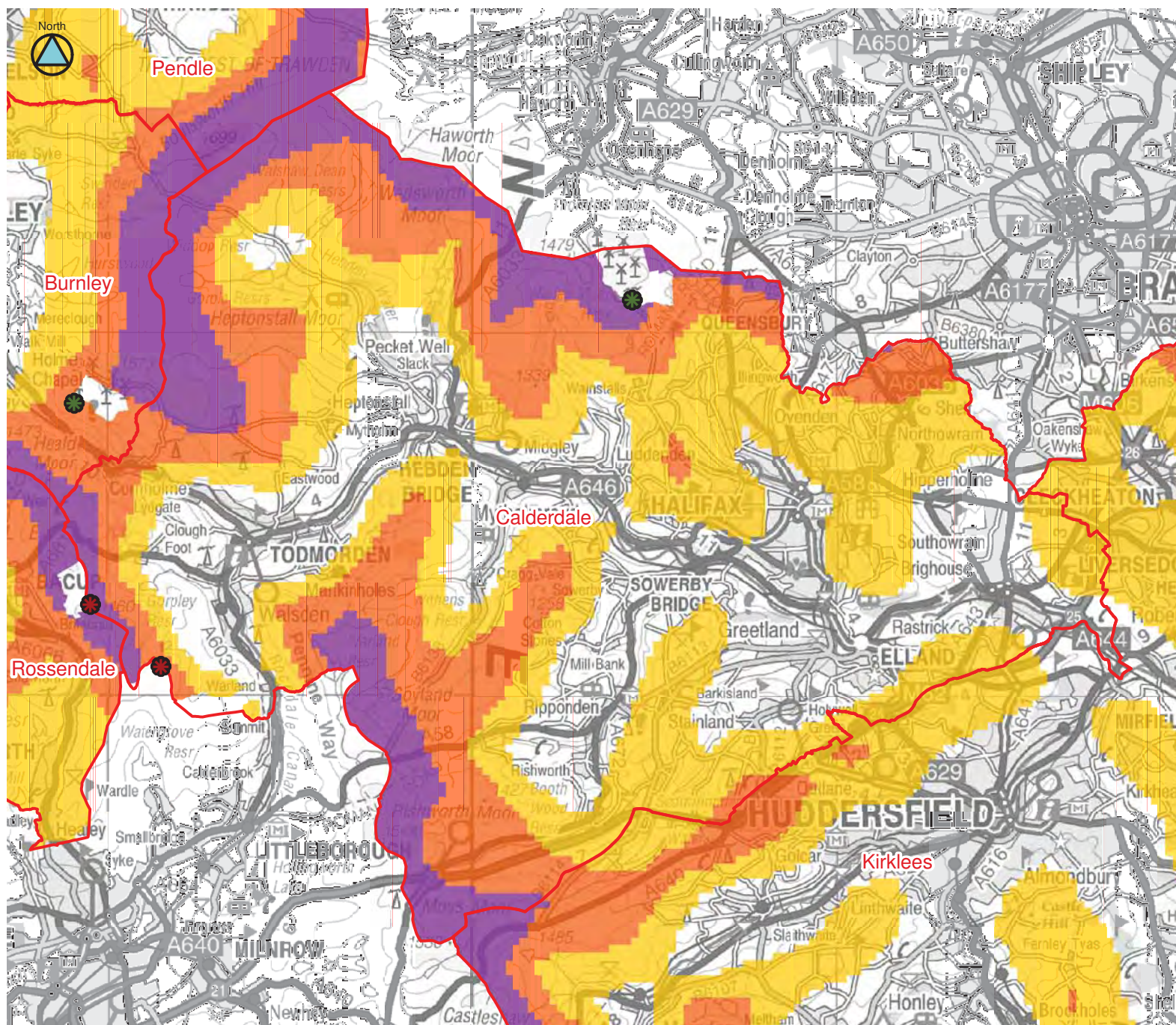
FIGURE A5

Wind Resources Map 45m AGL

Scale 1:110,000 @ A3

10.50 1 Kilometers

Calderdale



LEGEND

- Consented Wind Farms
- Operational Wind Farms

Wind Speed (m/s) at 45m AGL

- 6-7 m/s
- 7-8 m/s
- 8-9 m/s
- >9 m/s

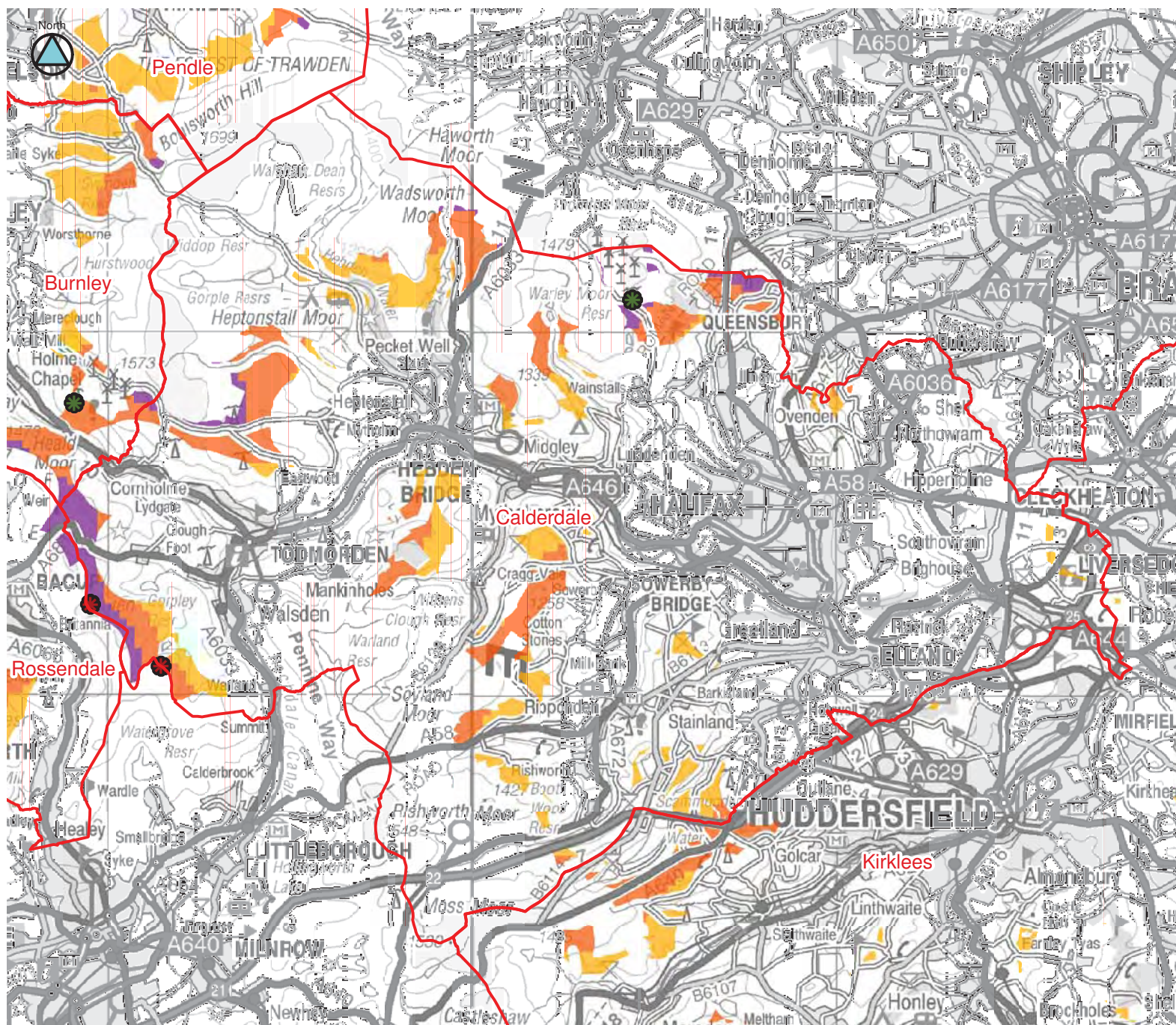
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FIGURE A6
Commercial Scale Wind Energy
Opportunities

Scale 1:110,000 @ A3 1 0.5 0 1 Kilometers

Calderdale



LEGEND

- ★ Consented Wind Farms
- ★ Operational Wind Farms

Wind Speed (m/s) at 45m AGL

- 6-7 m/s
- 7-8 m/s
- 8-9 m/s
- >9 m/s

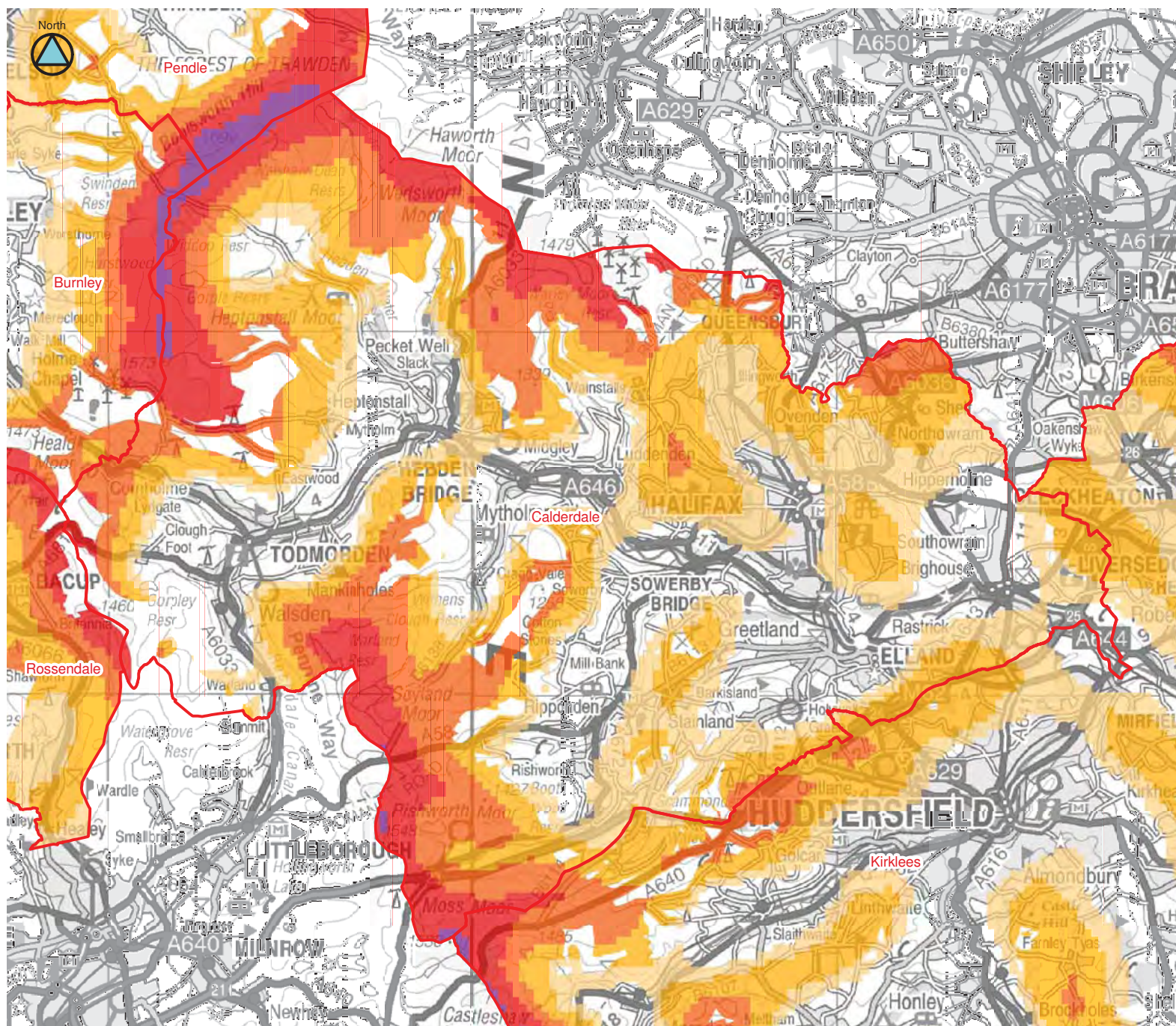
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FIGURE A7
Commercial Scale Wind Energy
Constraints Assessment

Scale 1:110,000@ A3
1 0.5 1 Kilometers

Calderdale

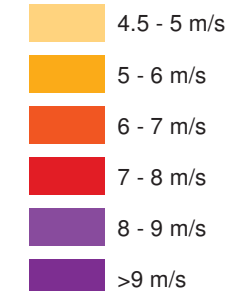


Scale 1:110,000 @ A3
 1 0.5 0 1 Kilometers

Calderdale

LEGEND

Wind Speed (m/s) at 10m AGL

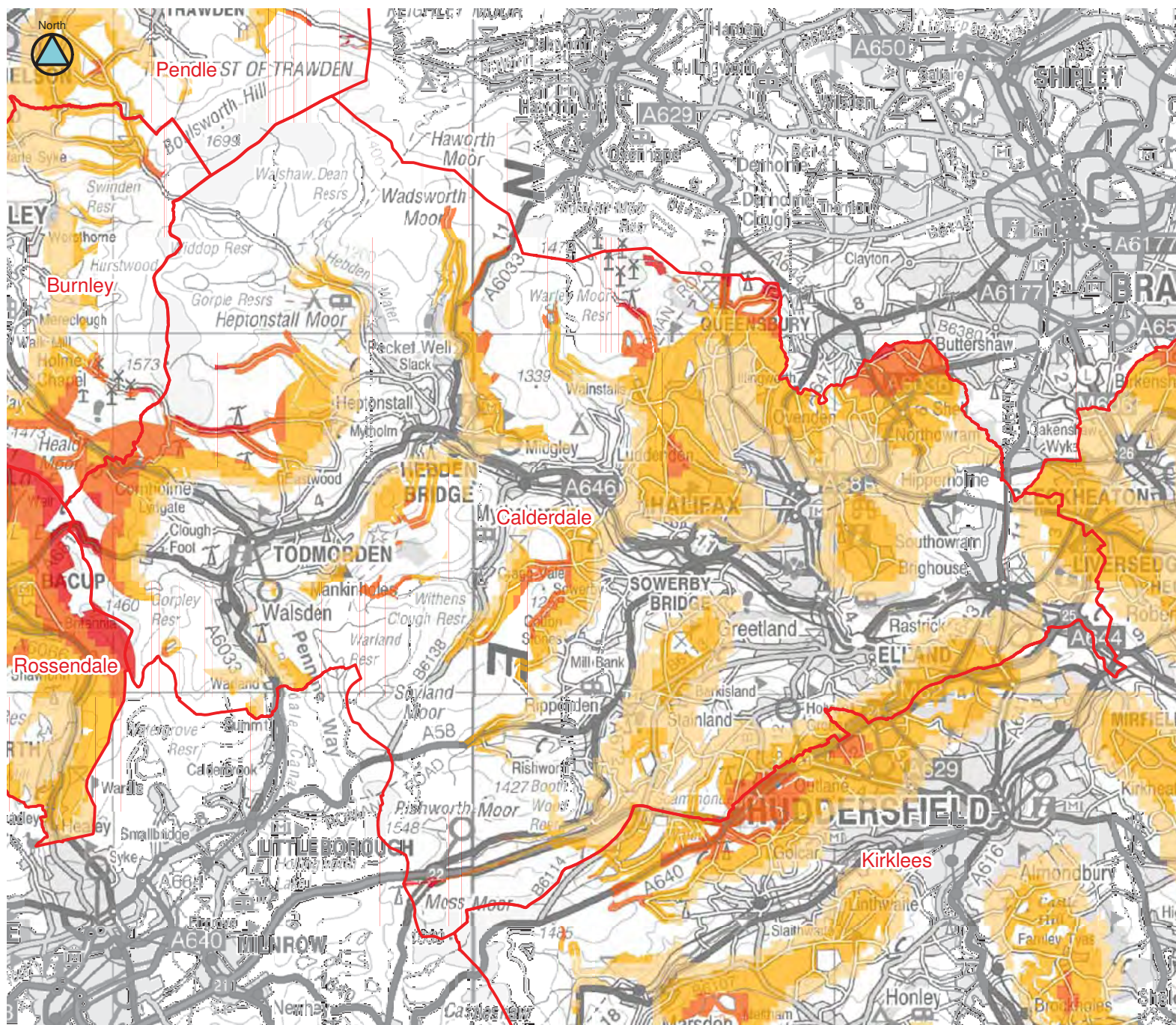


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FIGURE A8

Small Scale Wind Energy
 Opportunities Assessment



LEGEND

Wind Speed (m/s) at 10m AGL

4.5 - 5 m/s
5 - 6 m/s
6 - 7 m/s
7 - 8 m/s
8 - 9 m/s

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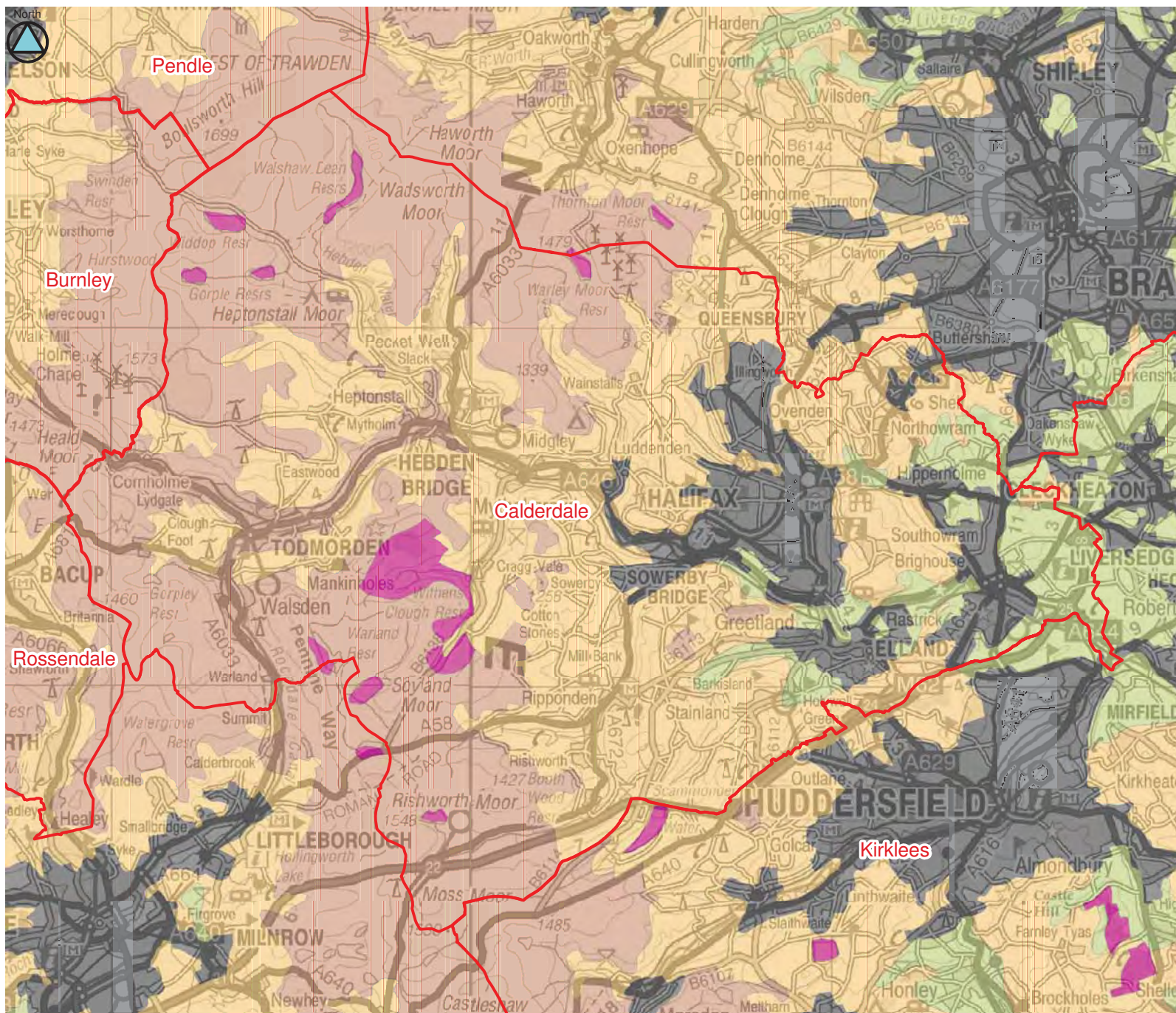
FIGURE A9

Small Scale Wind Energy
Constraints Assessment

Scale 1:111,093 @ A3

1 0.5 0 1 Kilometers

Calderdale



LEGEND

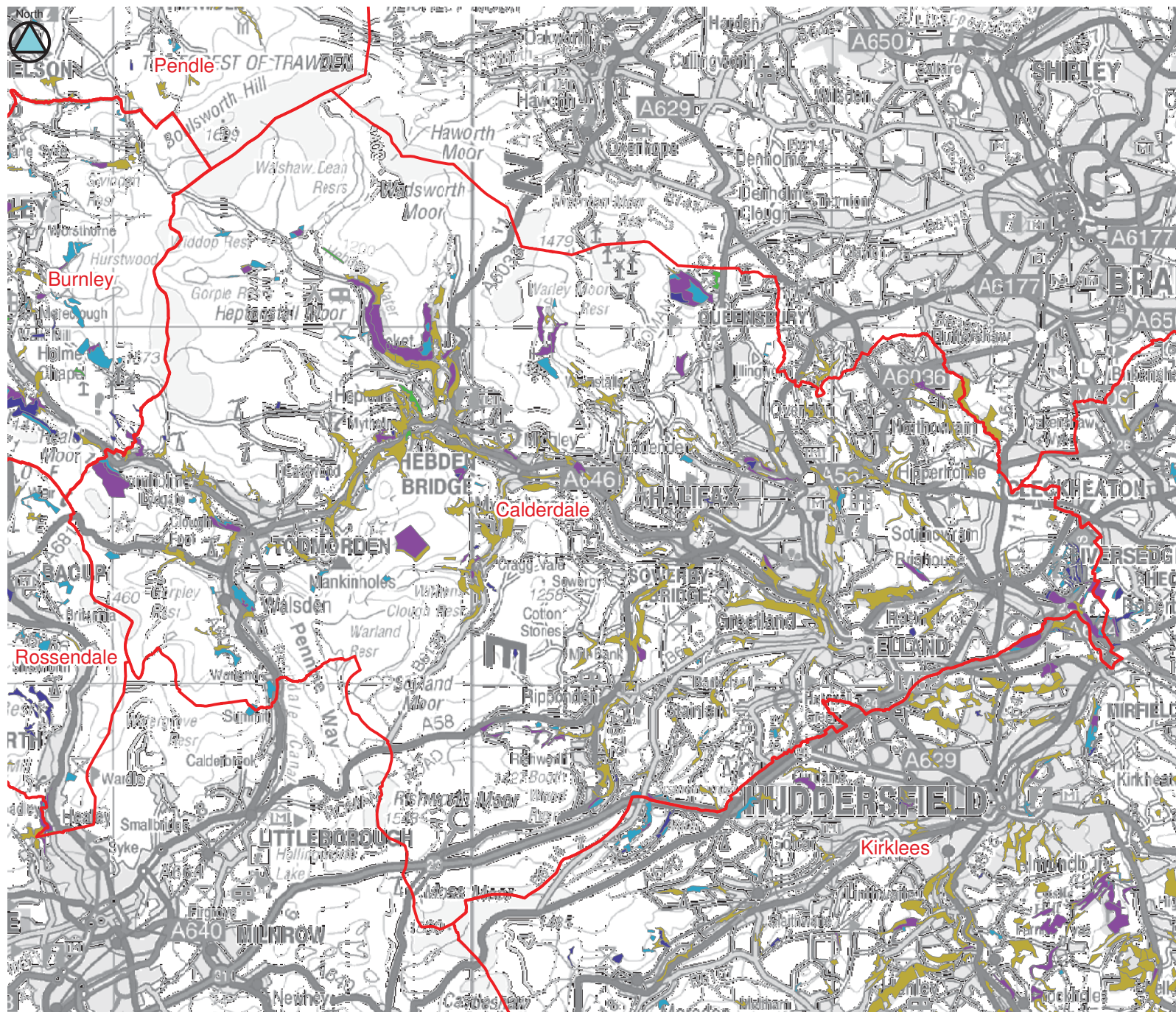
Agricultural Land Classification

- GRADE 1
- GRADE 2
- GRADE 3
- GRADE 4
- GRADE 5
- NON AGRICULTURAL
- URBAN

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FIGURE A 10
AGRICULTURAL LAND
CLASSIFICATIONS IN THE STUDY
AREA



LEGEND

Woodland Management Indicator (WMI)

- Grants and Licensing Activity
- Productive managed woodland
- Non-productive managed woodland
- Under-managed woodland
- Non-productive woodland

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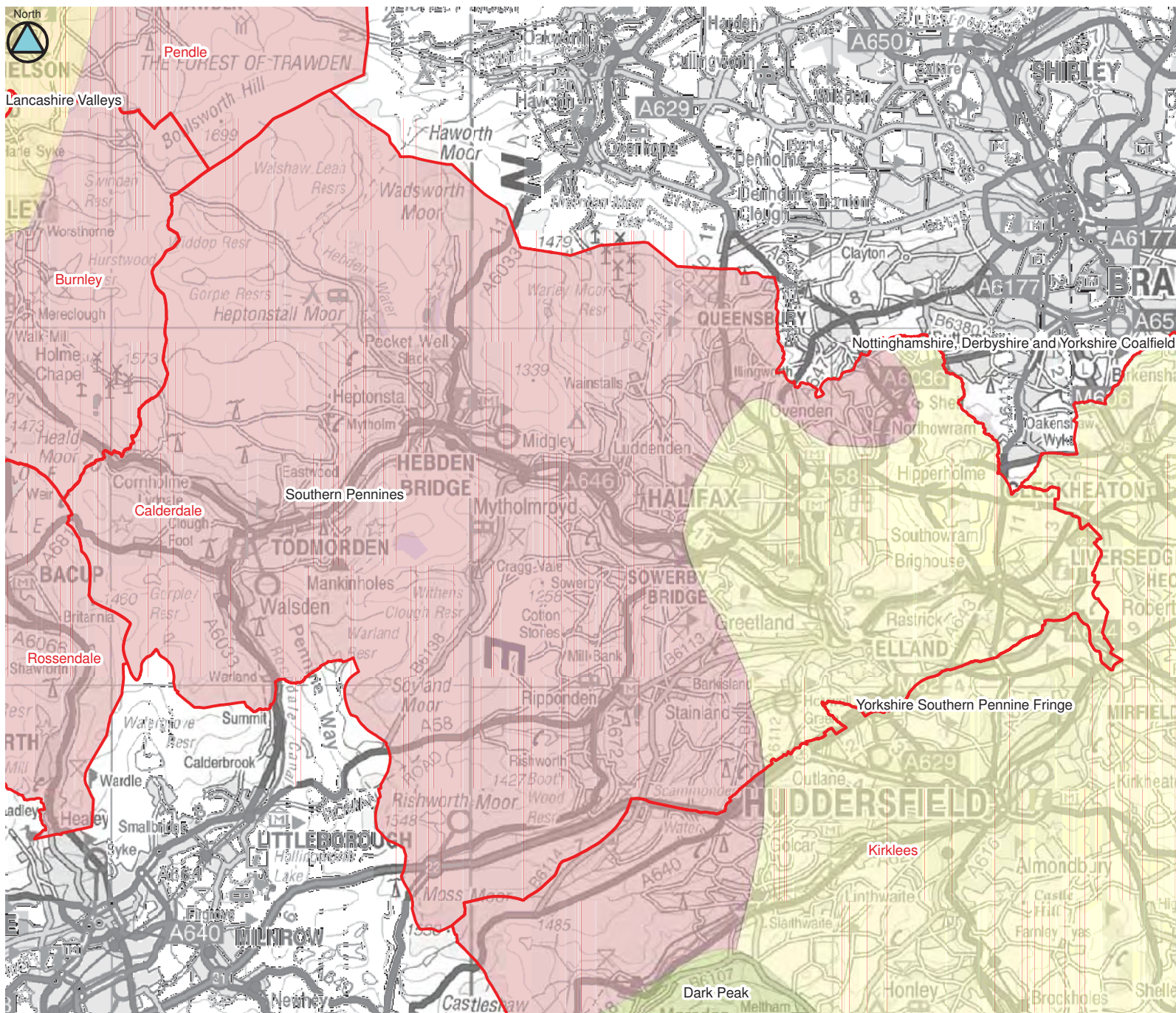


FIGURE A11

FORESTRY COMMISSION
WOODLAND CLASSIFICATIONS

Scale 1:109,767 @ A3
1 0.5 0 1 Kilometers

Calderdale



LEGEND

Character Areas

- Bowland Fringe and Pendle Hill
- Dark Peak
- Lancashire Valleys
- Manchester Pennine Fringe
- Nottinghamshire, Derbyshire and Yorkshire Coalfield
- Southern Pennines
- Yorkshire Southern Pennine Fringe

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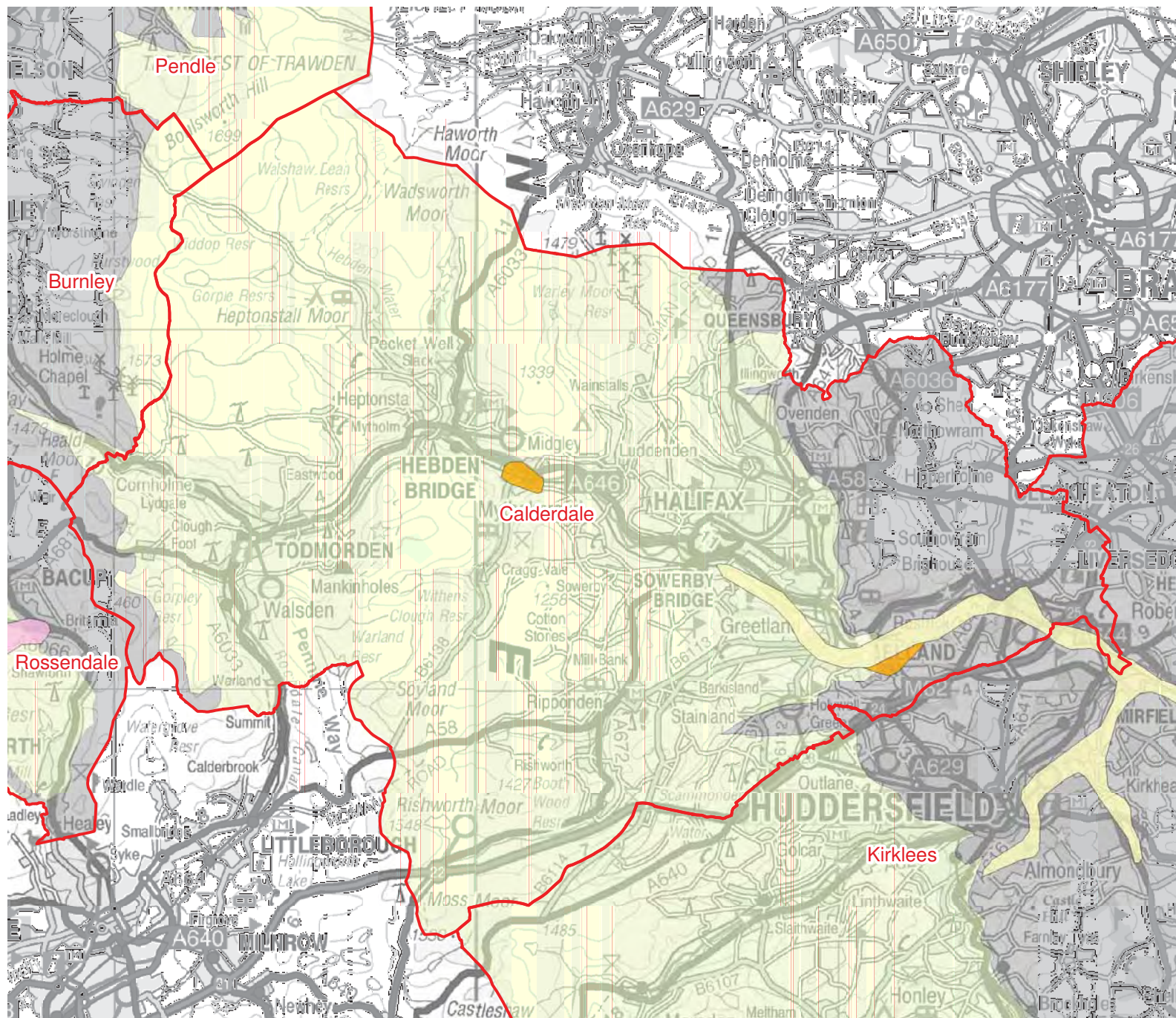
FIGURE A12

CHARACTER AREAS

Scale 1:109,767 @ A3

1 0.5 0 1 Kilometers

Calderdale



LEGEND

Drift aquifers

- Alluvium
- Glacial sand & gravel
- River terrace deposits

Bedrock aquifers

- Middle Coal
- Lower Coal Measures
- Millstone Grit
- Bowland High Group / Craven

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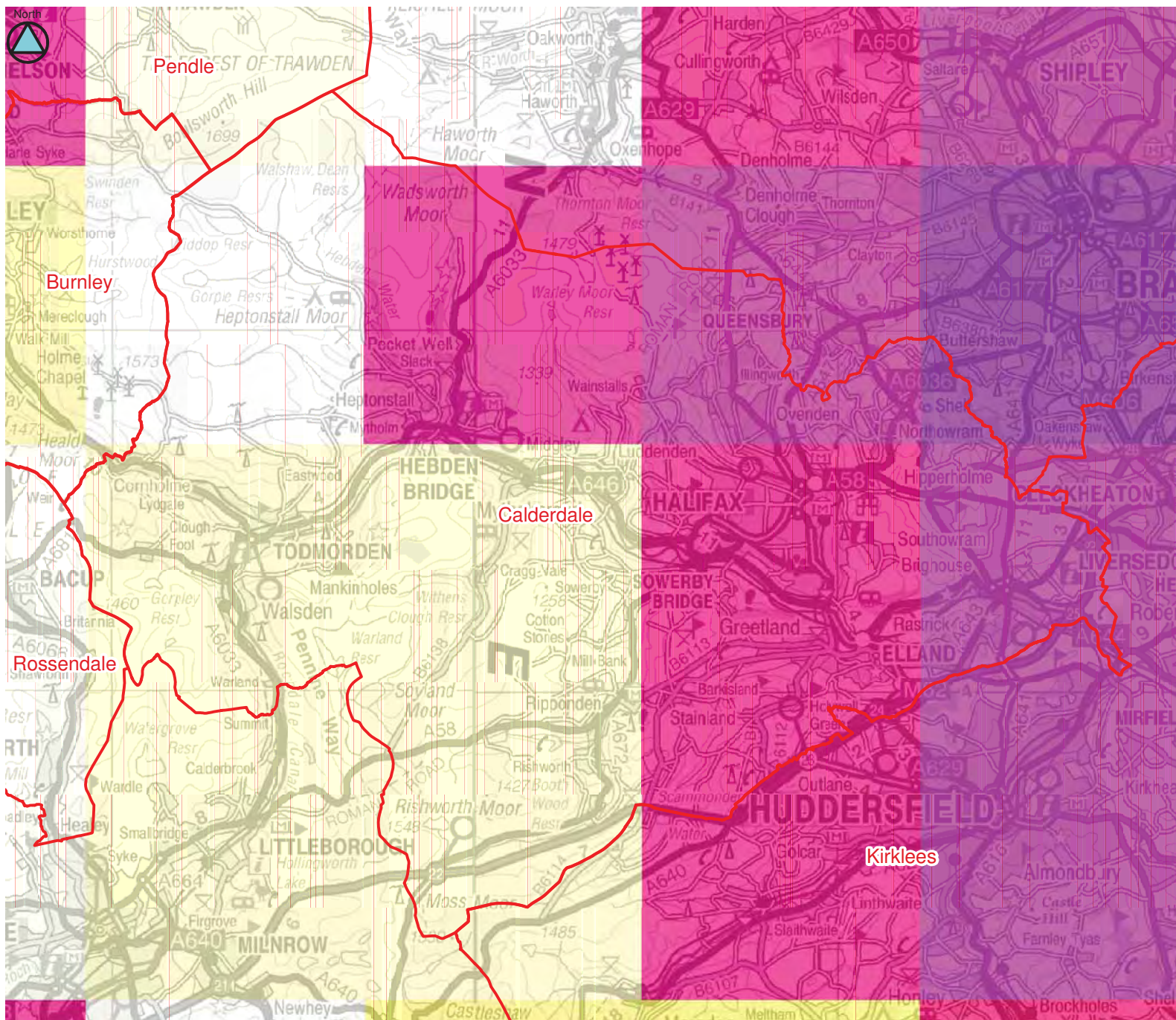


FIGURE A13

AQUIFERS WITHIN THE STUDIED AREA

Scale 1:109,767 @ A3
10.50 1 Kilometers

Calderdale



LEGEND

Irradiation (kWh/m²)

High :1120

Low :1060

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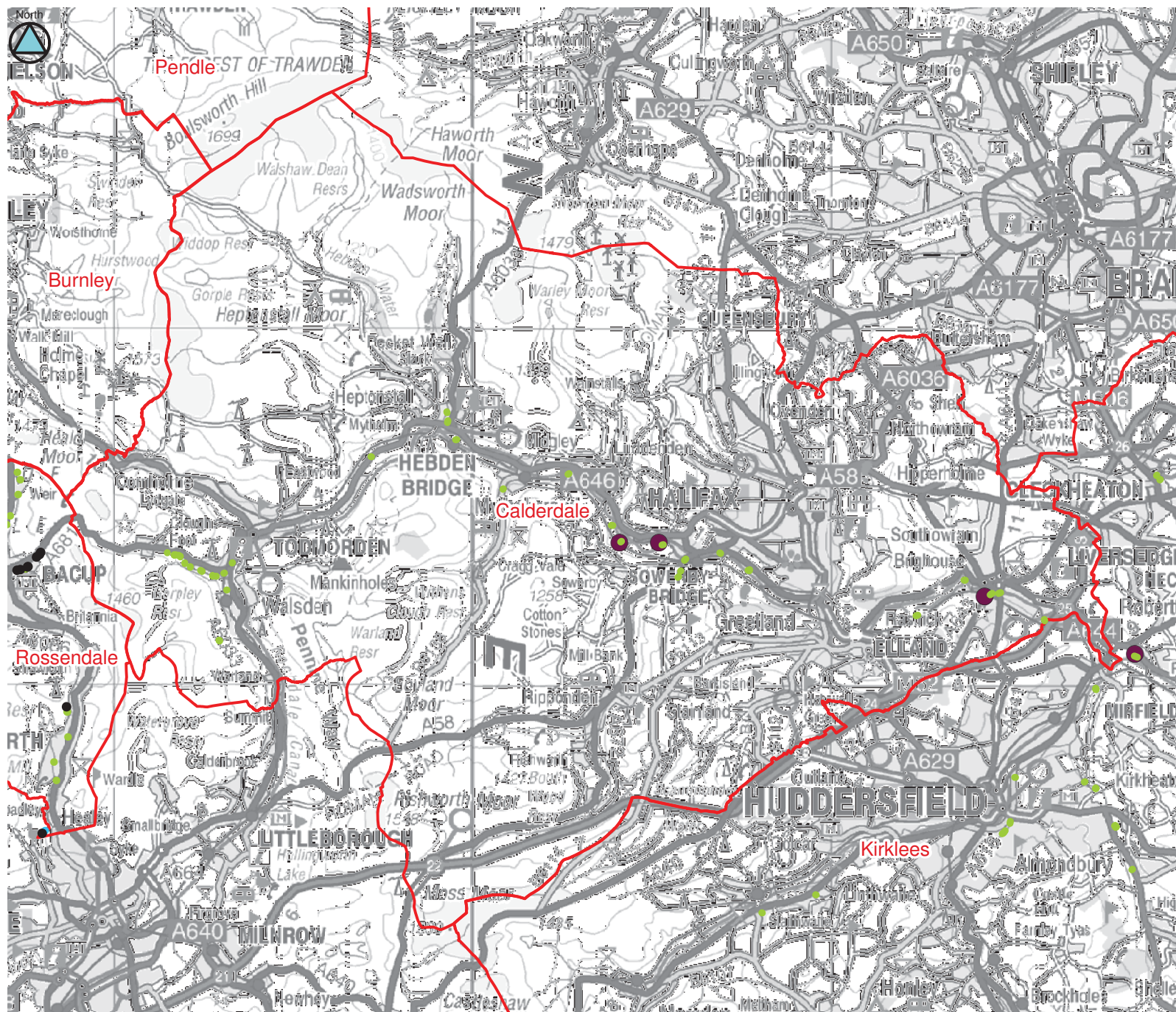
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FIGURE A14

YEARLY SUM OF GLOBAL IRRADIATION ON OPTIMALLY INCLINED SURFACES (kWh/m² between 1981-1990)

Calderdale



LEGEND

NFCDD Weirs by Height

- > 3 m
- 2 to 3 m
- < 2 m
- Unknown
- LYRES Identified Hydro Sites

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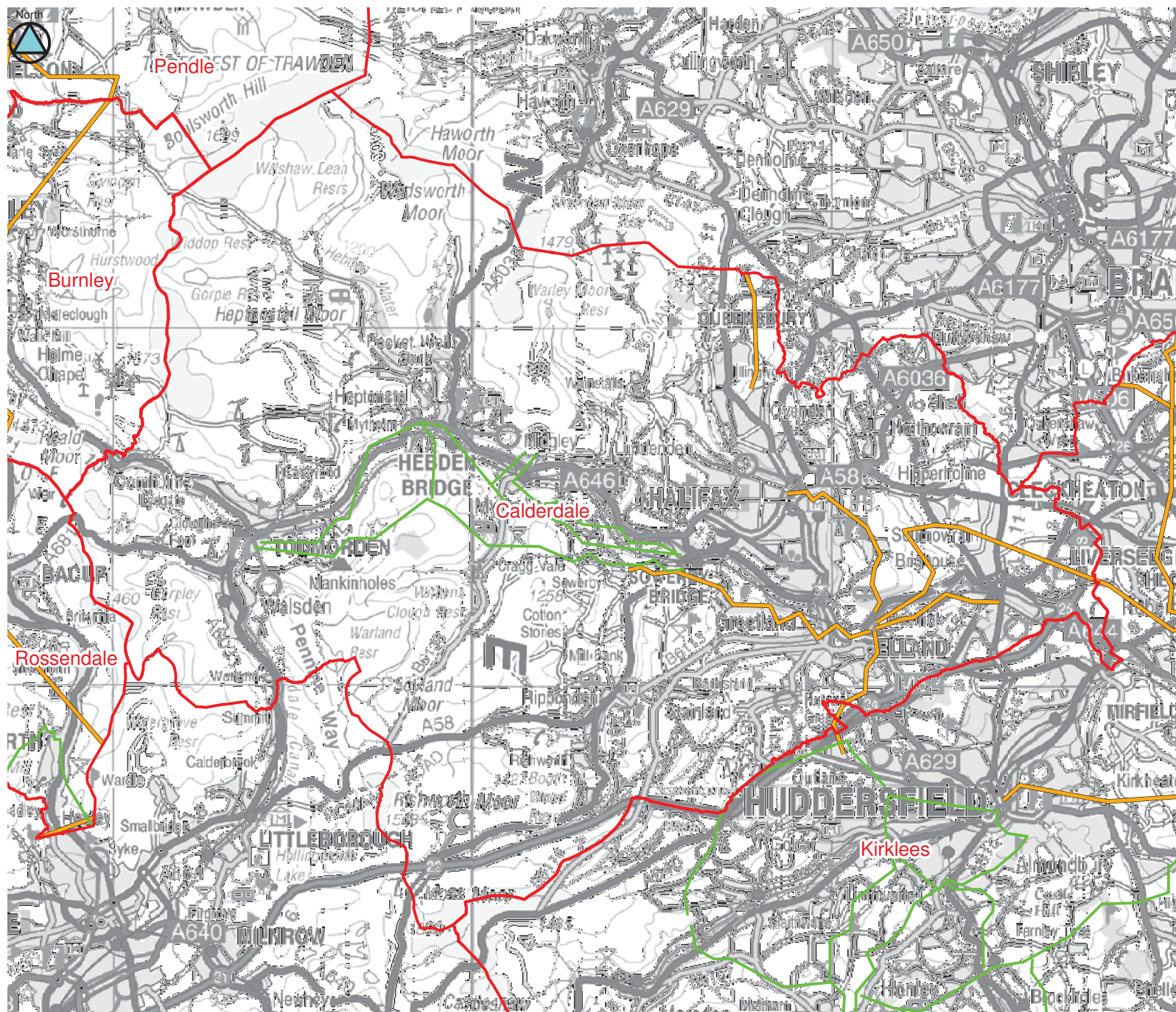
maslen
environmental
part of the JBA Group



FIGURE A15

NFCDD and LYRES Identified
Weirs for Hydropower

Calderdale



LEGEND

Type Electricity Network

- 33kv
- 66kv
- 132kv

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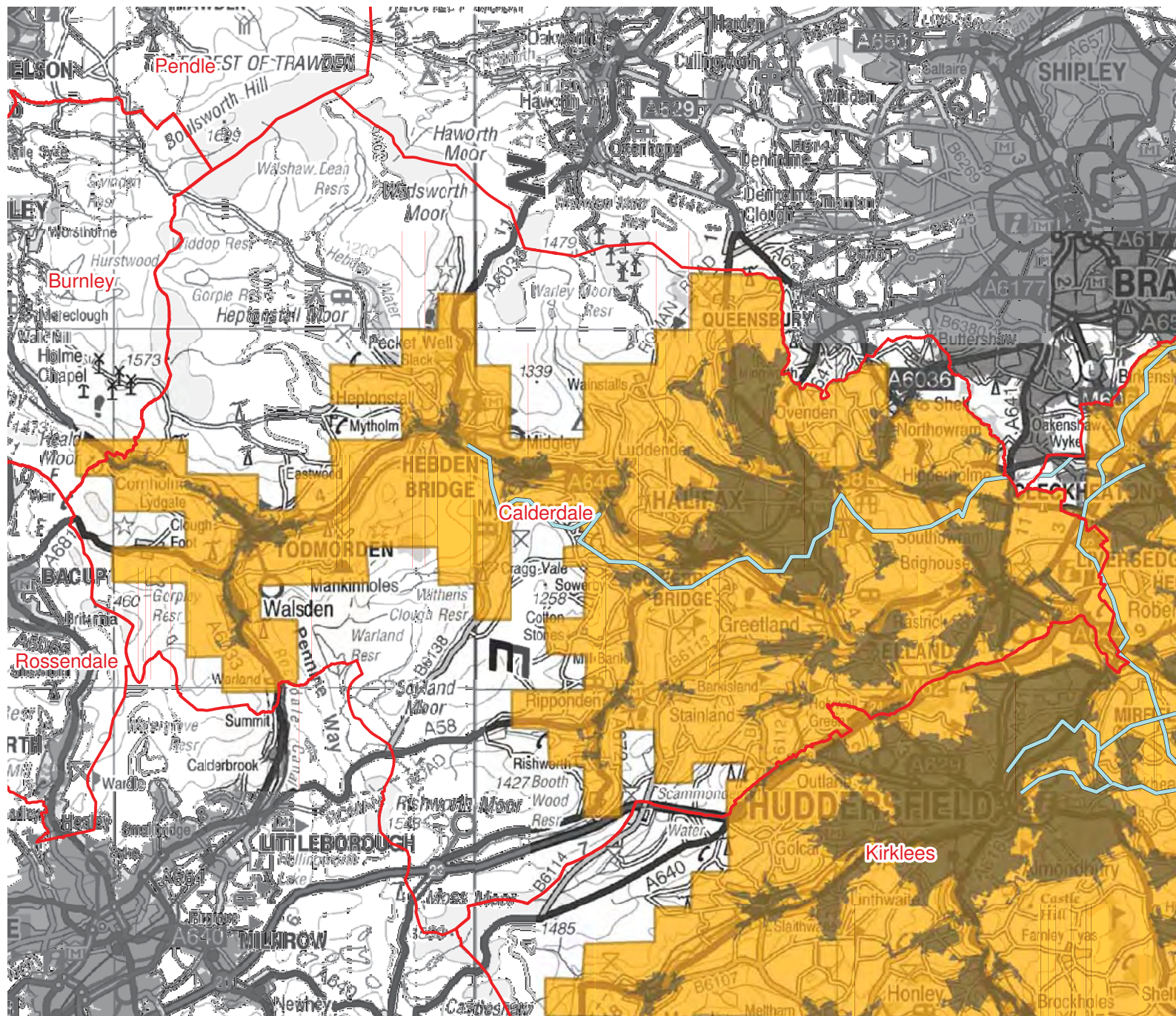
FIGURE A16

ELECTRICITY DISTRIBUTION
NETWORK IN THE STUDY AREA

Scale 1:109,767 @ A3

1 0.5 0 1 Kilometers

Calderdale



LEGEND

- Gas Network
- Urban Areas
- Gas Grid

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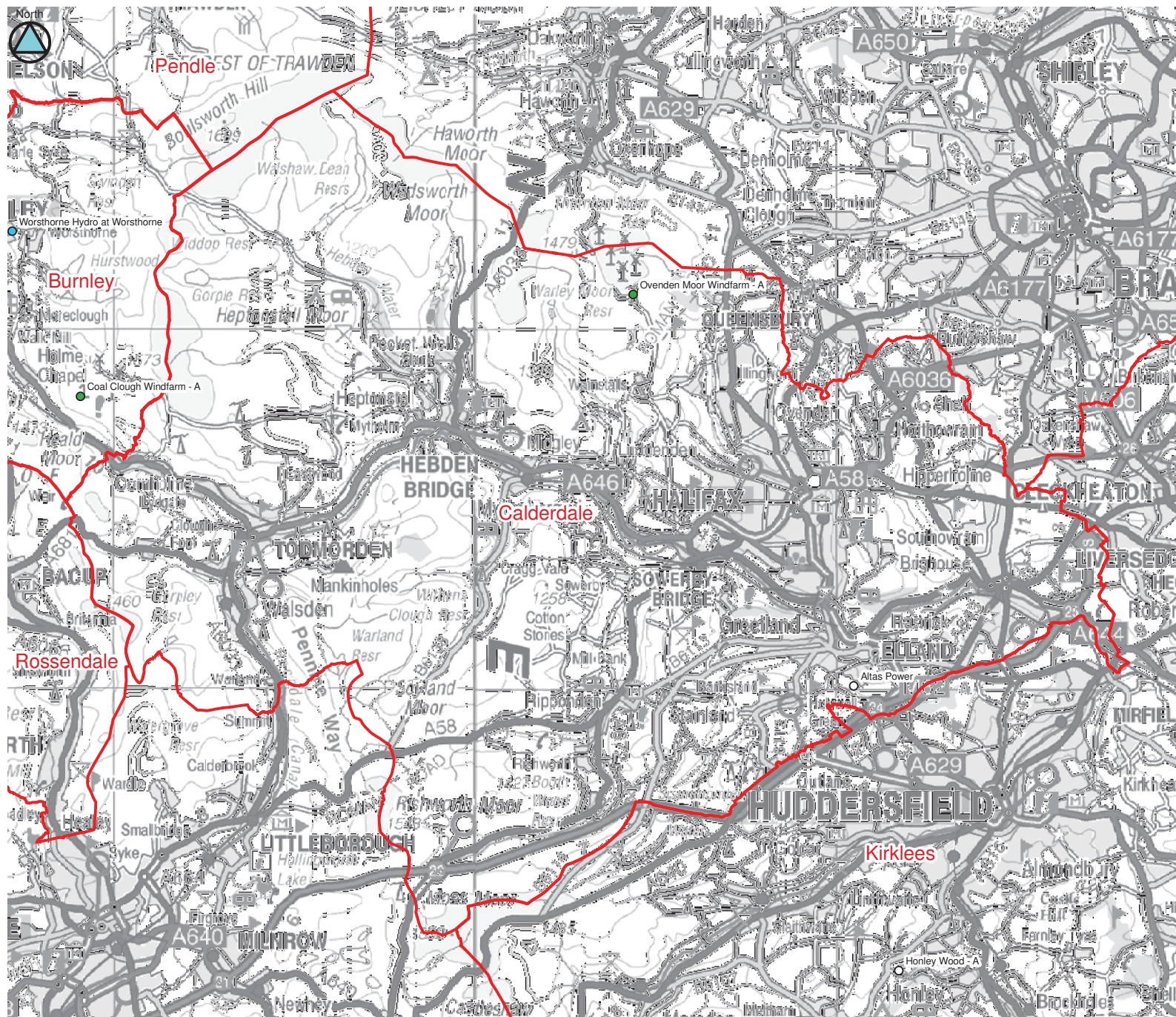


FIGURE A17

GAS NETWORK FOR KIRKLEES
AND CALDERDALE ONLY

Scale 1:109,767 @ A3
10.50 1 Kilometers

Calderdale



LEGEND

Station Types

- Landfill gas
- Micro hydro
- On-shore wind
- Sewage gas

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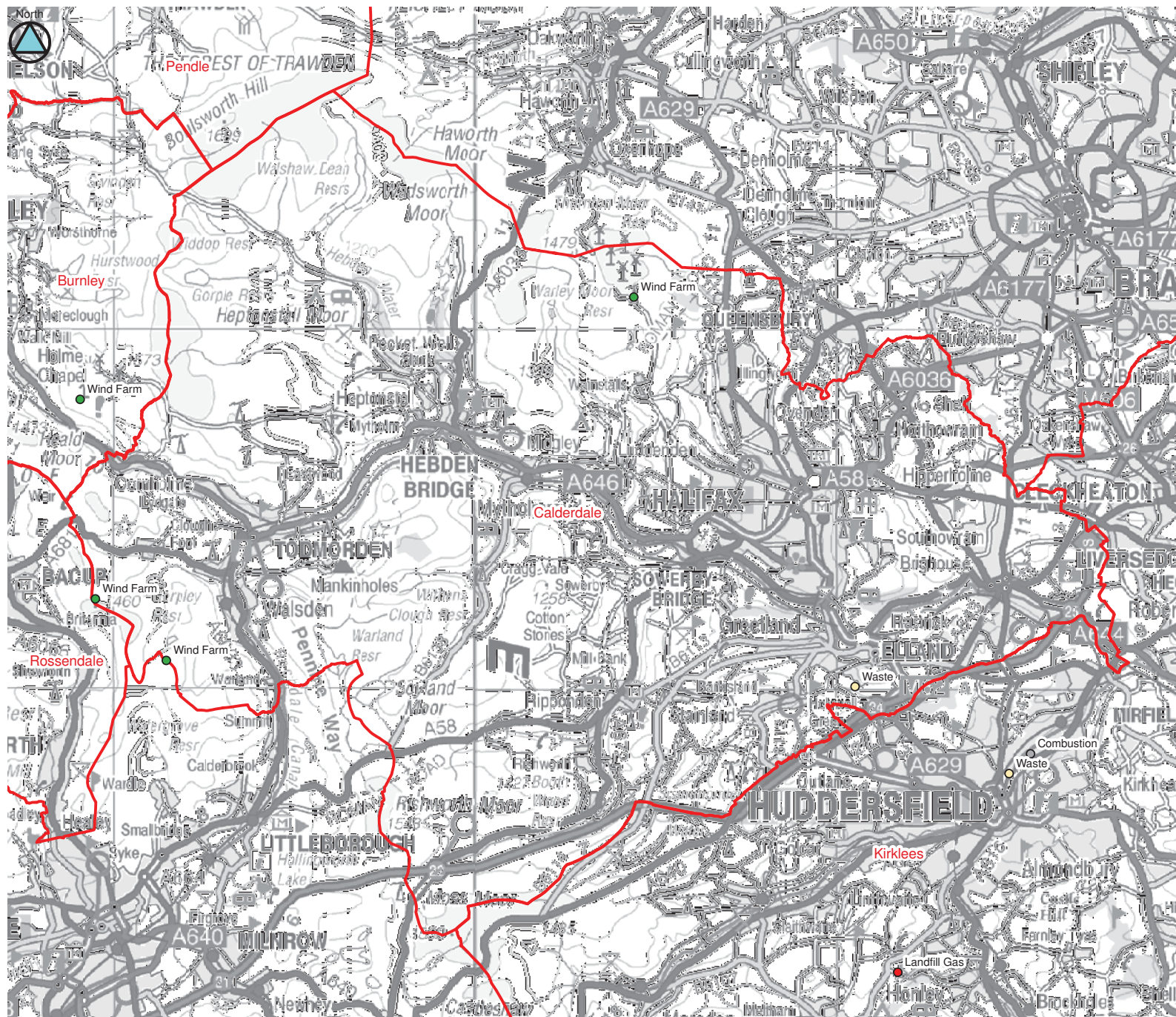


FIGURE A18

ROC Accredited Stations in the Study Area

Scale 1:109,767 @ A3
1 0.5 1 Kilometers

Calderdale



LEGEND

Large Renewables

- Anaerobic Digestion
- CHP
- Combustion
- Landfill Gas
- Waste
- Wind Farm

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FIGURE A19

Large Renewable Schemes

Scale 1:109,767 @ A3

2 1 0 2 Kilometers

Calderdale

