

Renewable and Low Carbon Energy Assessment 2019 - Maps

Companion Report

Flintshire County Council

24 September 2019

Prepared for:

Flintshire County Council

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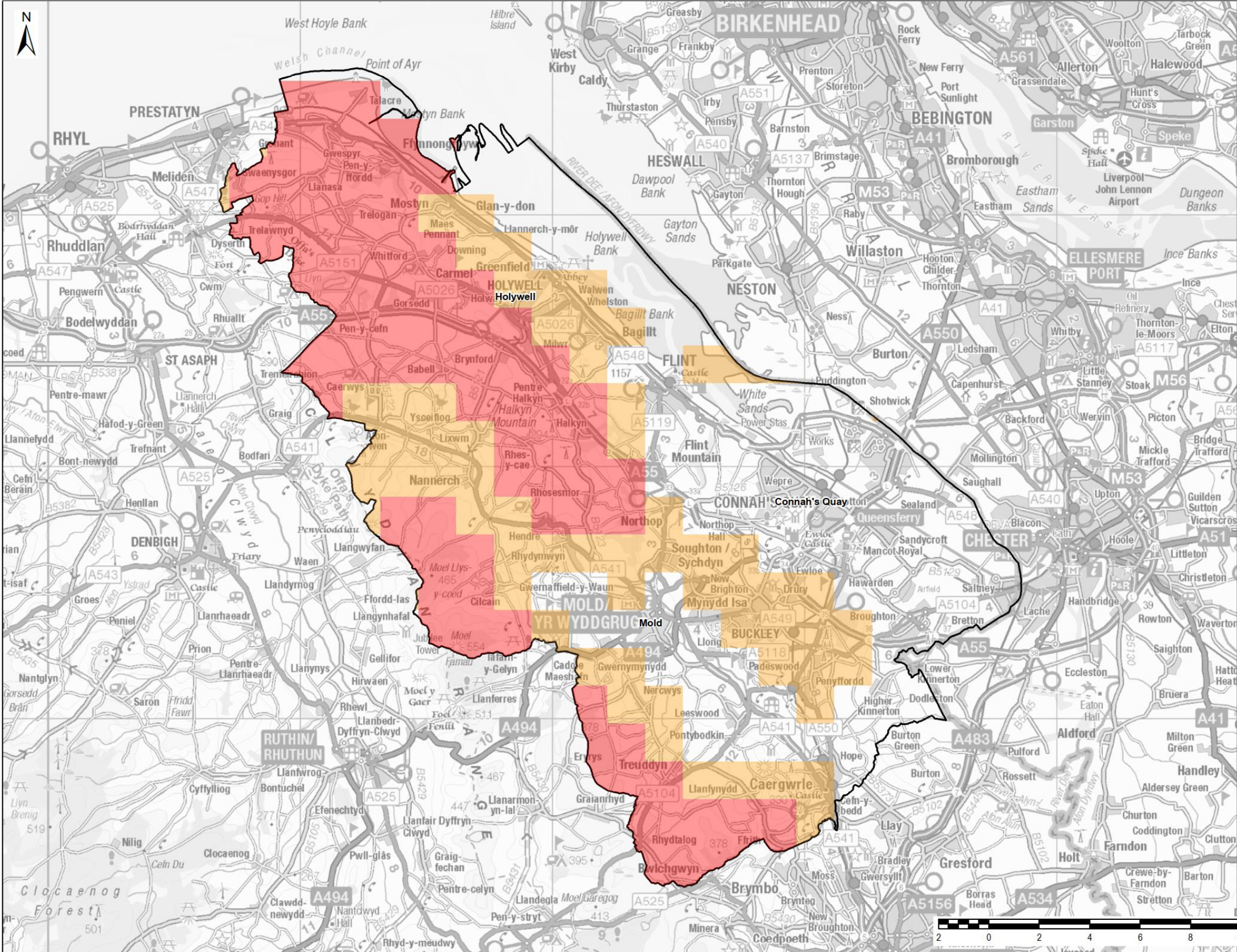
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Introduction

This report contains the maps created for and referenced in the Renewable and Low Carbon Energy Assessment for Flintshire County Council. The methodology of the creation of the maps is detailed in the appendices of the aforementioned report.

W1 – Wind Resource in the Flintshire LPA Area

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LEGEND

- Flintshire County Council Boundary
- Wind Speed: 6.0 to 6.5m/s above 45m
- Wind Speed: >6.5m/s above 45m

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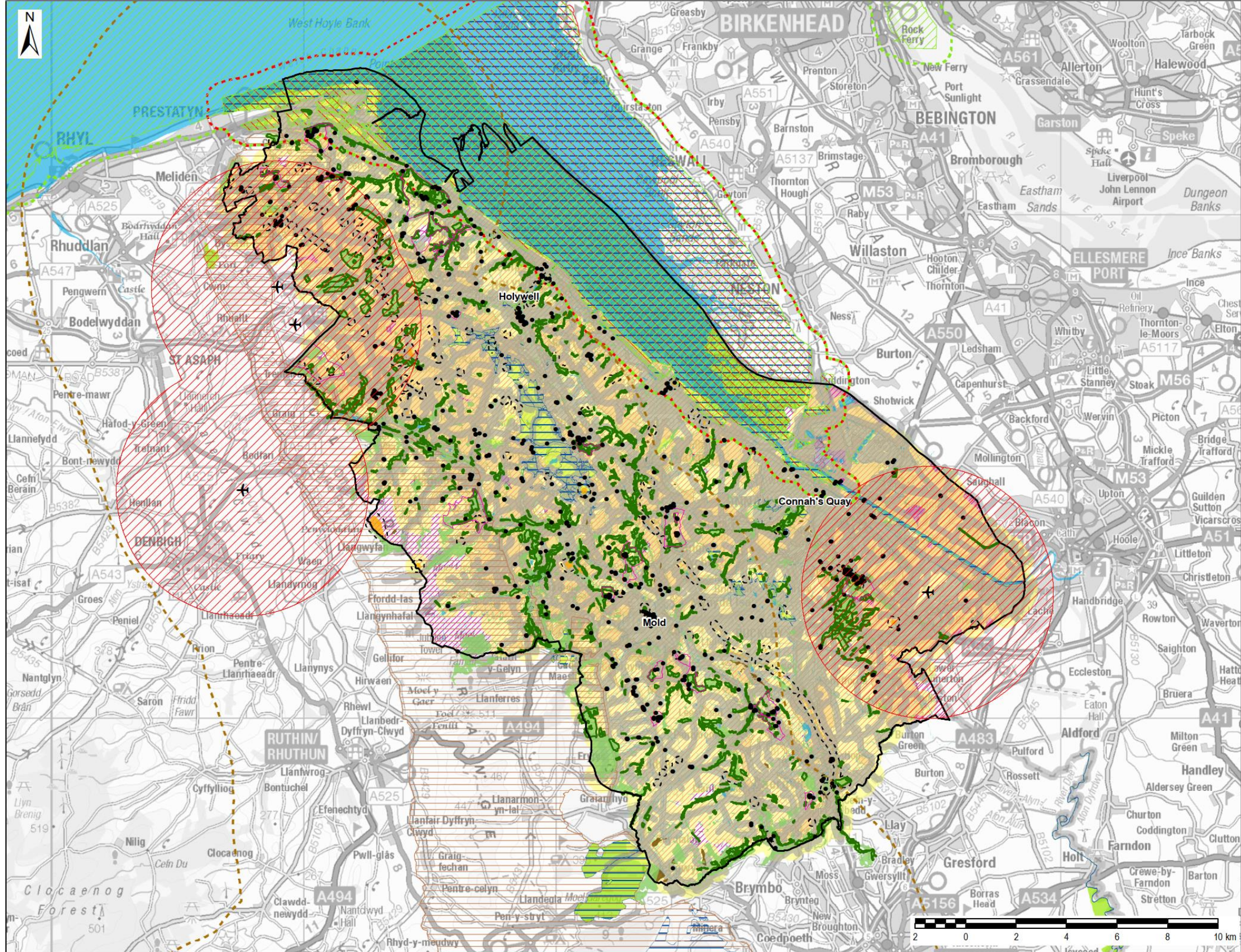
W1
Unconstrained
Wind Resource

14/08/19




W2 – Statutory and Strategic Constraints

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LEGEND

- Flintshire County Council Boundary
- Aerodomes
- Restricted
- Special Protection Area
- Special Protection Area - 600m
- Special Area of Conservation
- Ramsar
- Ramsar - 600m Buffer
- Site of Special Scientific Interest
- Area of Outstanding Natural Beauty
- Area of Outstanding Natural Beauty - 7km Buffer
- Scheduled Monument
- Scheduled Monument - 132m Buffer
- Listed Buildings
- Peat
- Areas constrained by NATS Aviation, Radar Safeguard Zones and DIO Low Flying Areas
- Transport Infrastructure
- Buildings - 500m Buffer
- Watercourse
- Ancient Woodland
- Woodland
- Registered Parks and Gardens
- BMV agricultural land grades 1, 2 and 3a

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W2
 Statutory and
 Strategic Constraints

21/08/19



W3 – Wind Resource Available

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LEGEND
 Flintshire County Council Boundary

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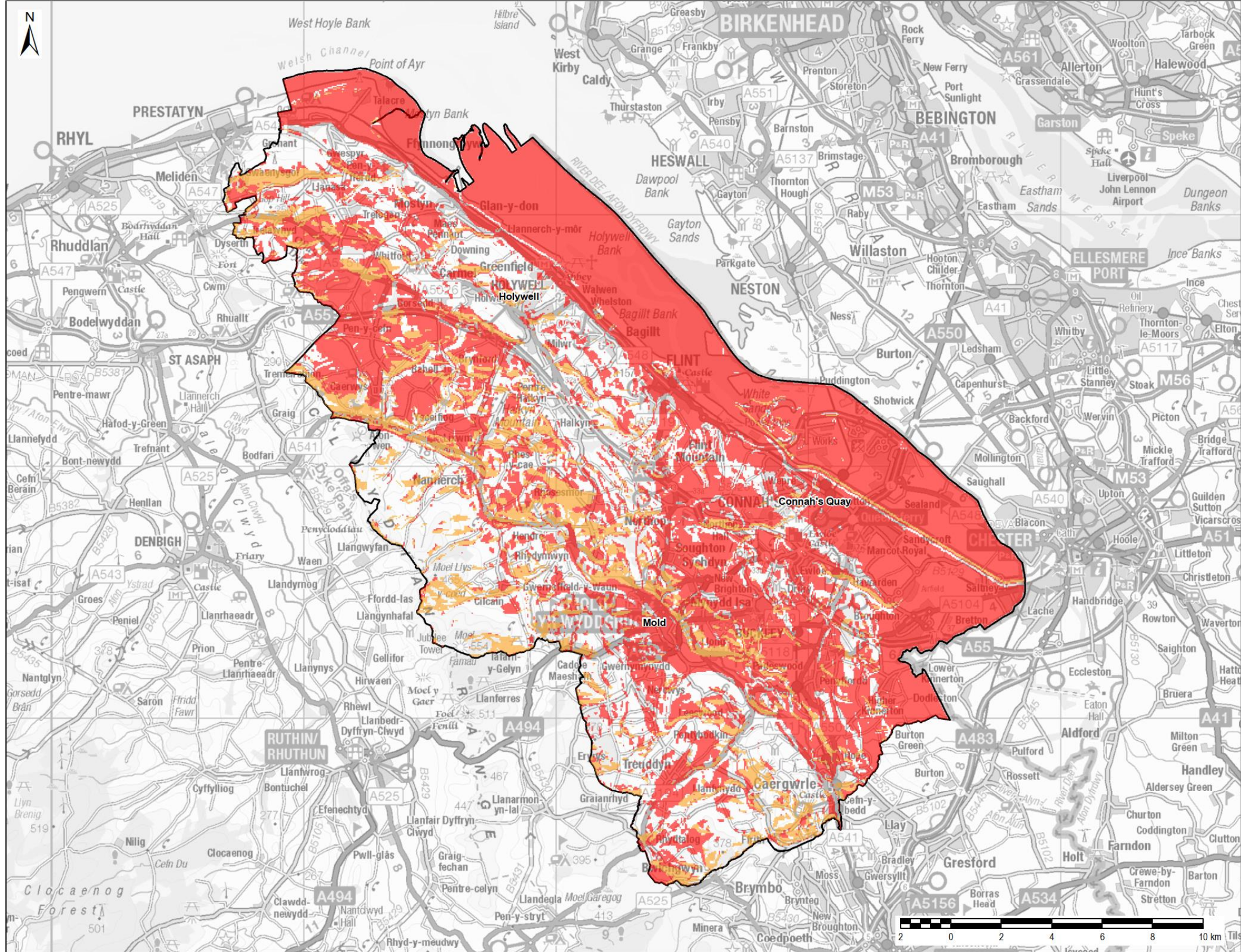
W3
 Remaining Wind Resource after Applying Statutory & Strategic Constraints

21/08/19



S1 – Solar Resource in the Flintshire LPA Area

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LEGEND

- Potential PV Resource - All Orientations
- Potential PV Resource - SE to SW Orientations
- Flintshire County Council Boundary

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S1
Unconstrained
Solar PV Resource

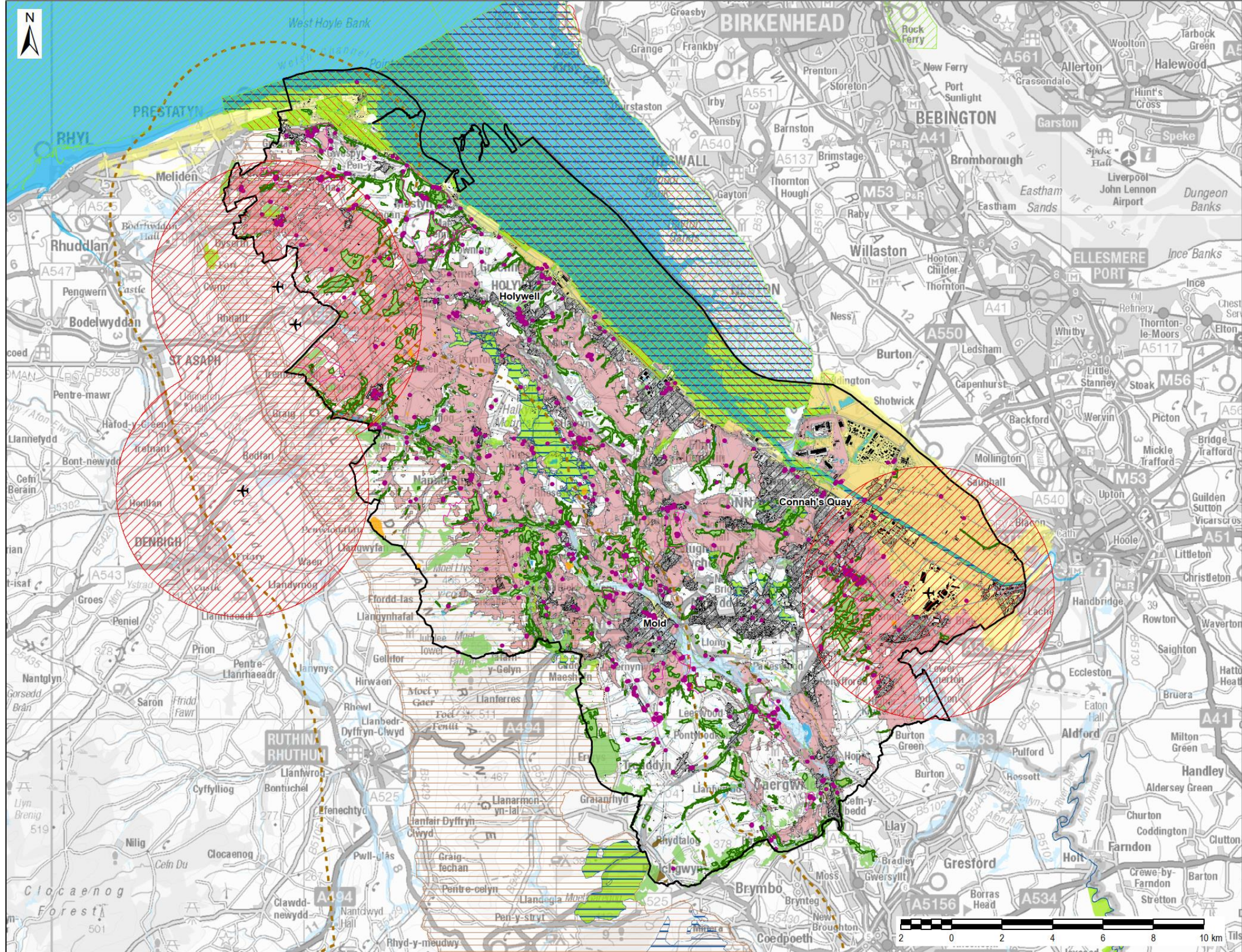
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S2 – Statutory and Strategic Constraints

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- Legend**
- Flintshire County Council Boundary
 - Aerodromes
 - Restricted
 - Listed Buildings
 - Buildings
 - Registered Parks and Gardens
 - Ancient Woodland
 - Woodland
 - Scheduled Monument
 - Special Protection Area
 - Ramsar
 - Area of Outstanding Natural Beauty - 3.5km Buffer
 - Area of Outstanding Natural Beauty
 - Special Area of Conservation
 - Peat
 - Watercourse
 - Transport Infrastructure
 - Settlements
 - Site of Special Scientific Interest
 - Development Advice Zone -
 - Development Advice Zone -
 - BMV agricultural land grades 1, 2 and 3a

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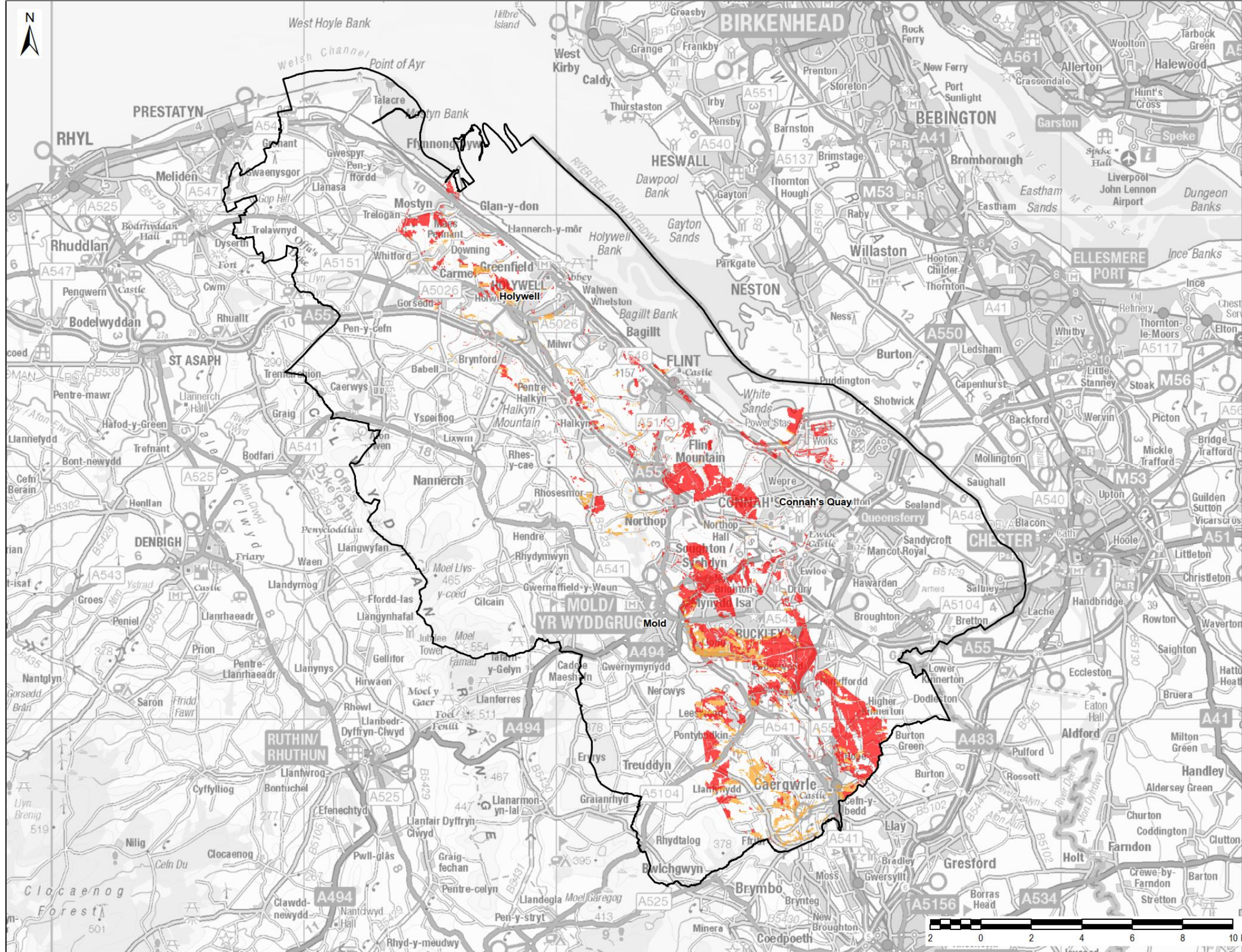
S2
 Statutory and
 Strategic Constraints

23/09/19



S3 – Solar PV Resource Available

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LEGEND

- Flintshire County Council Boundary
- Potential Solar PV Resource - All Orientations
- Potential Solar PV Resource - SE to SW Orientations

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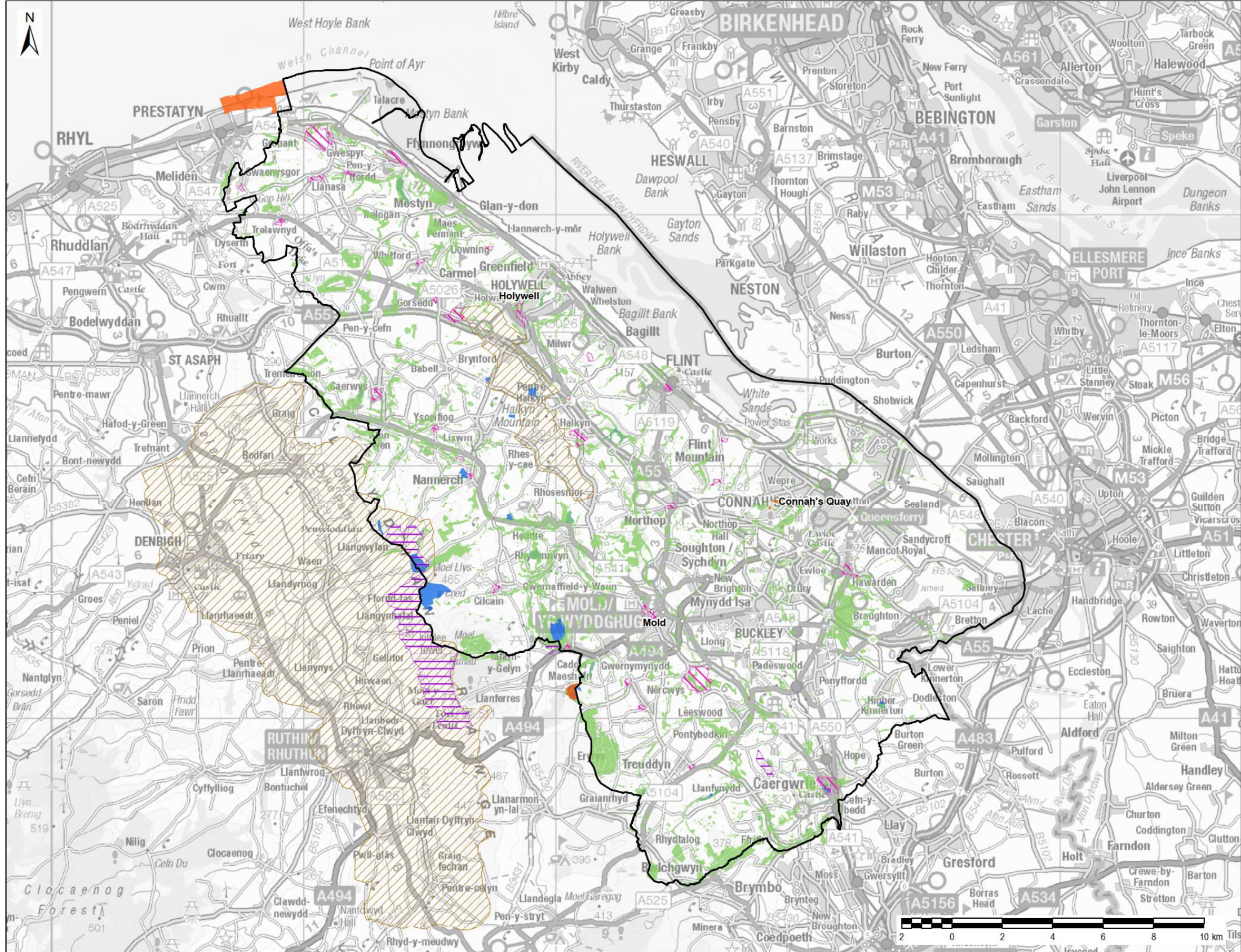
S3
Remaining Solar PV
Resource after Applying
Statutory & Strategic
Constraints

23/09/19



S4 – Local Constraints

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LEGEND

- Flintshire County Council Boundary
- Local Nature Reserves
- Regionally Important Geological Sites (RIGs)
- Country Park
- Conservation Area
- Woodland
- Registered Landscapes of Special Historic Interest

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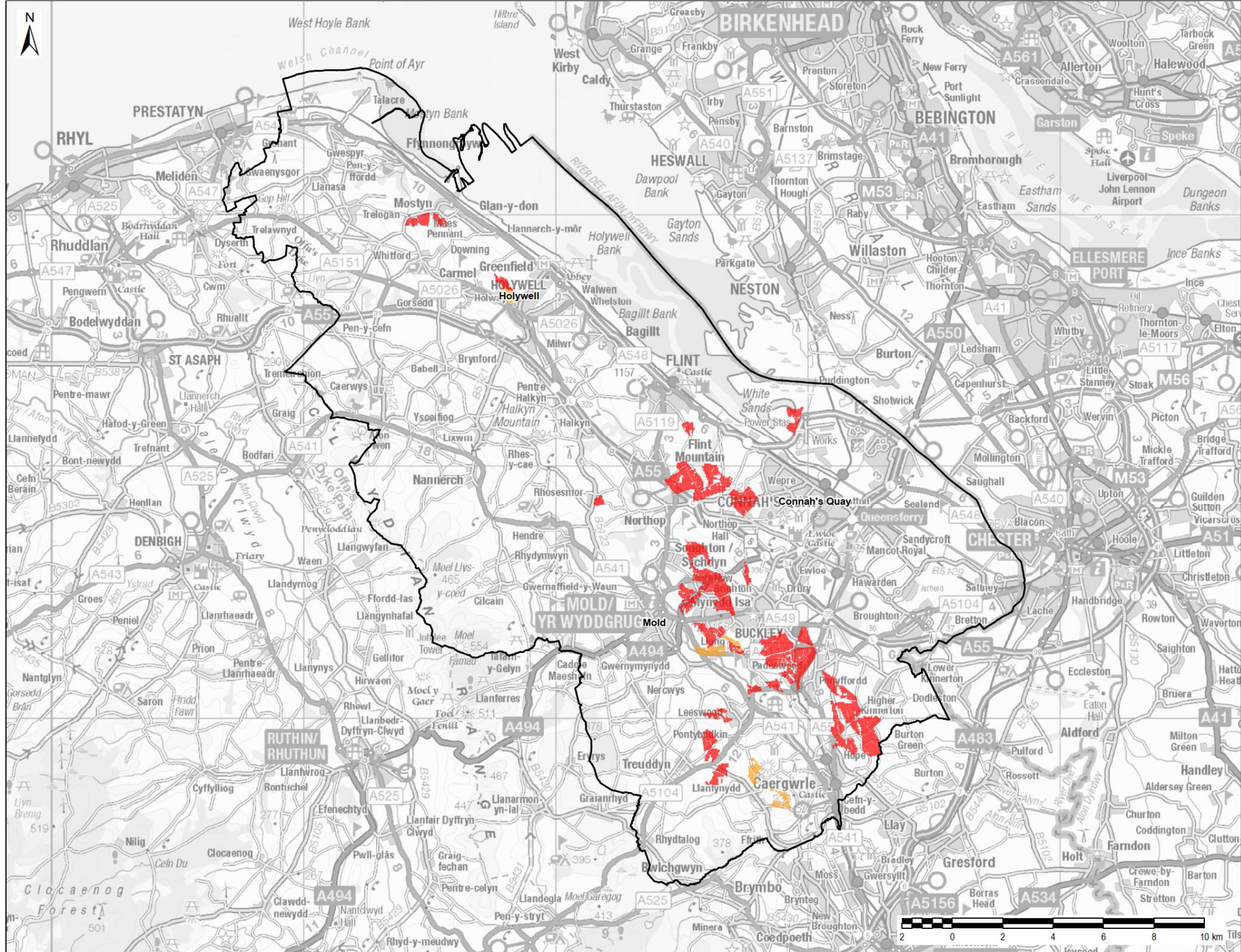
S4
Local Constraints

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S5 – Solar PV Resource Available

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LEGEND

-  Flintshire County Council Boundary
-  Potential Solar PV Resource - All Orientations
-  Potential Solar PV Resource - SE to SW Orientations

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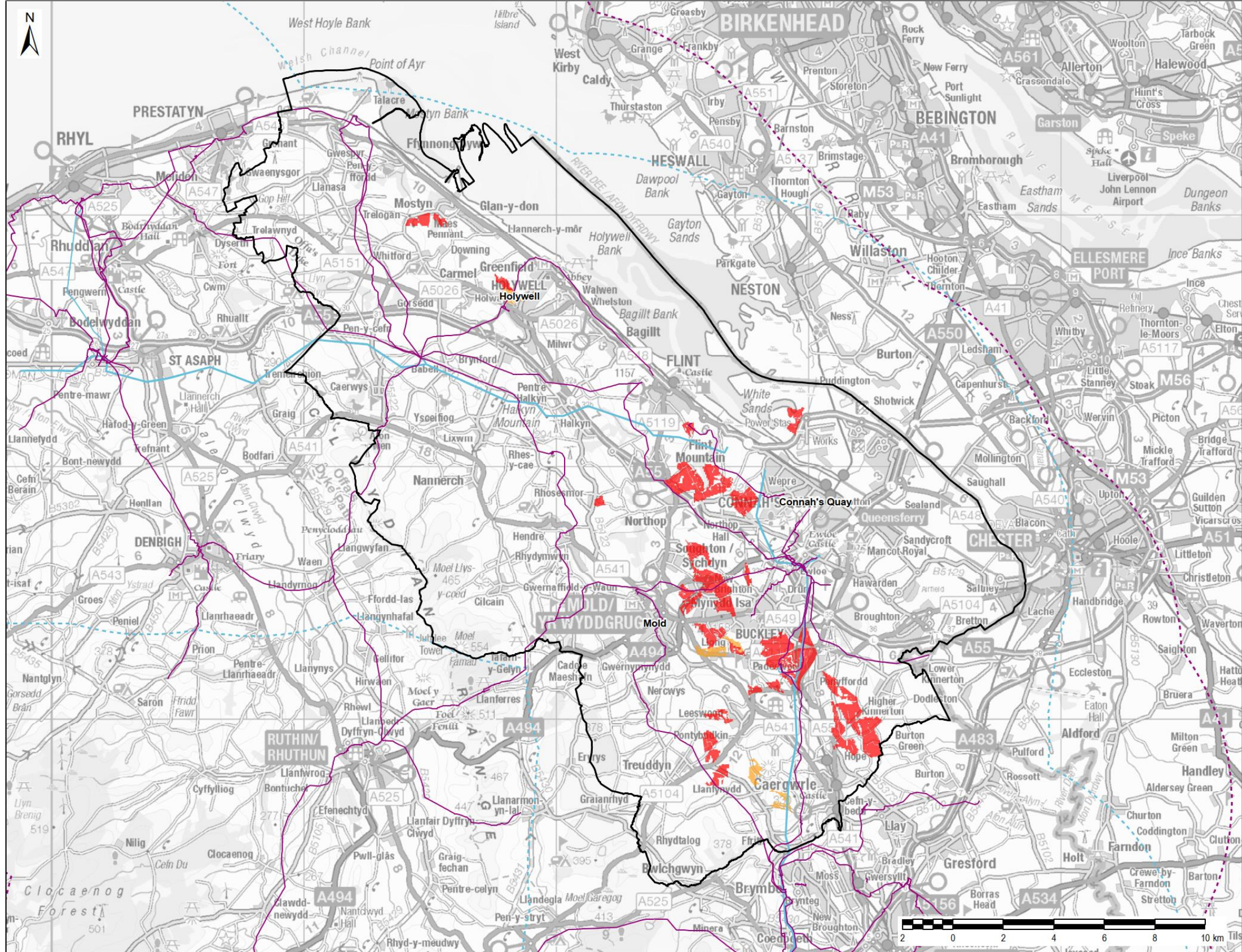
S5
Remaining Solar PV
Resource after Applying
Statutory & Strategic
Constraints and Local
Constraints

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S6 – Solar PV Farm Resource Available within Grid Connection

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LEGEND

- Flintshire County Council Boundary
- Grid Infrastructure 33kV
- Grid Infrastructure 132kV
- Grid Infrastructure 33kV 10km Buffer
- Grid Infrastructure 132kV 10km Buffer
- Potential Solar PV Resource - All Orientations
- Potential Solar PV Resource - SE to SW Orientations

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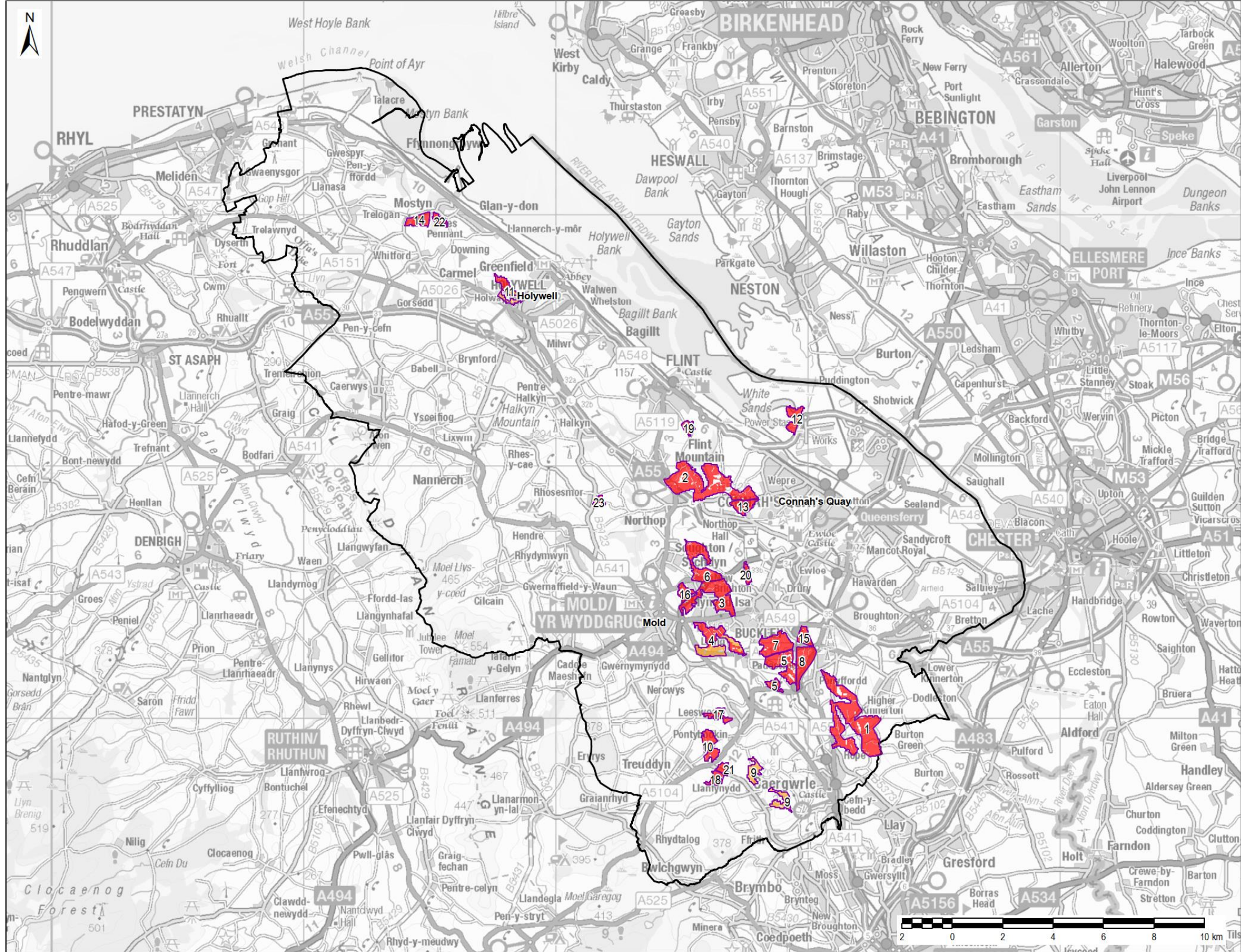
S6
Solar PV Resource Available within Grid Connection

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S7 – Solar PV Farm initial Local Search Areas

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LEGEND

- Flintshire County Council Boundary
- Potential Solar PV Resource - All Orientations
- Potential Solar PV Resource - SE to SW Orientations
- Local Search Area

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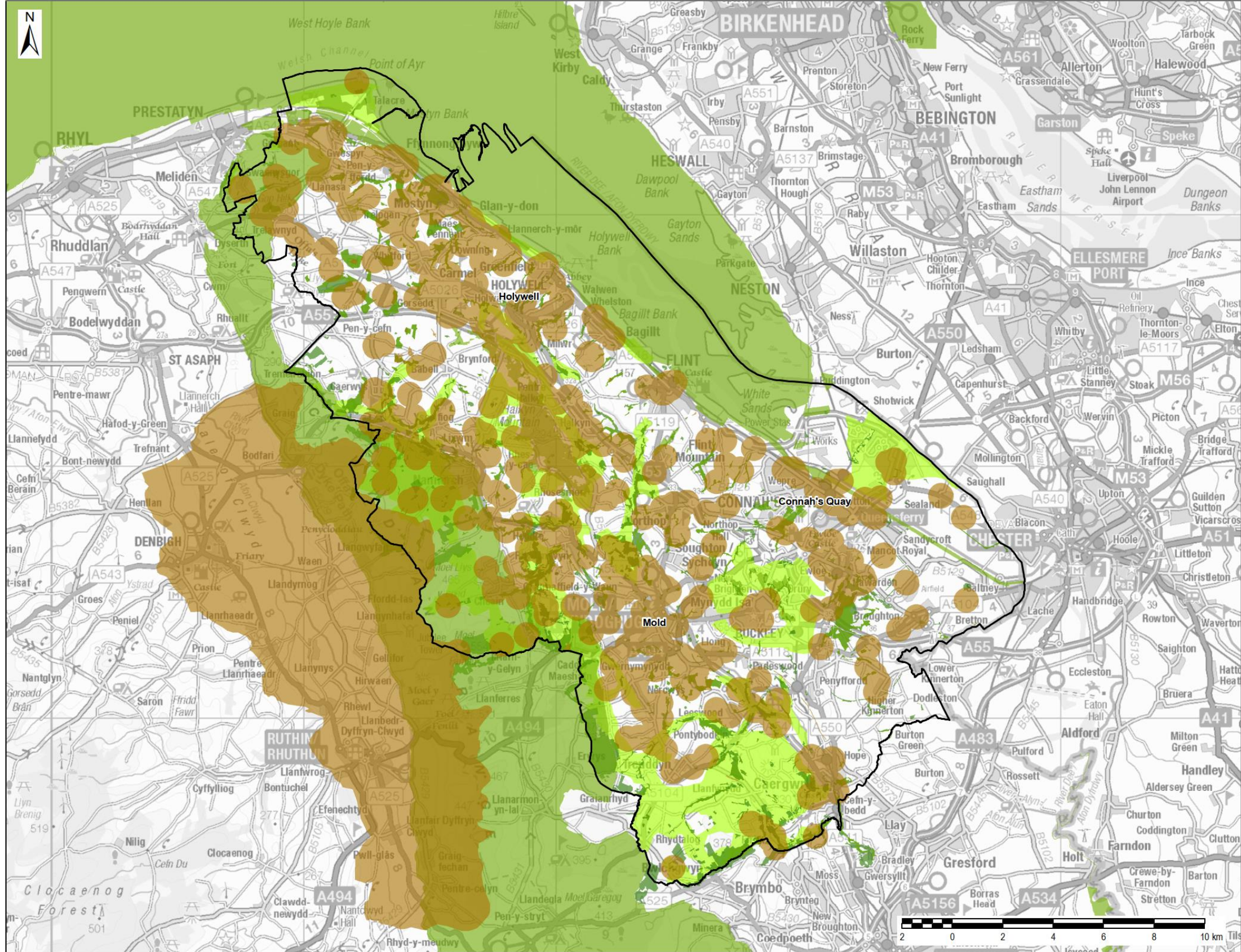
S7
Solar PV
Local Search Areas

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B1 – Biomass Constraints Map

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LEGEND

- Flintshire County Council
- Statutory Historic Constraints and Registered Historic Landscapes
- Statutory Environmental Constraints
- Woodlands
- Grade 4

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Biomass Resource Constraints Map

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