

## **Appendix A - Figures**

**Figure A1: Topography**

**Figure A2: Bedrock Geology**

**Figure A3: Watercourses and River Catchments**

**Figure A4: Environment Agency Recorded Flood Outlines**

**Figure A5: Sewer Flooding Incidents**

Figure A6: Environment Agency Flood Zones

Figure A7: Future Fluvial and Tidal Flood Extent

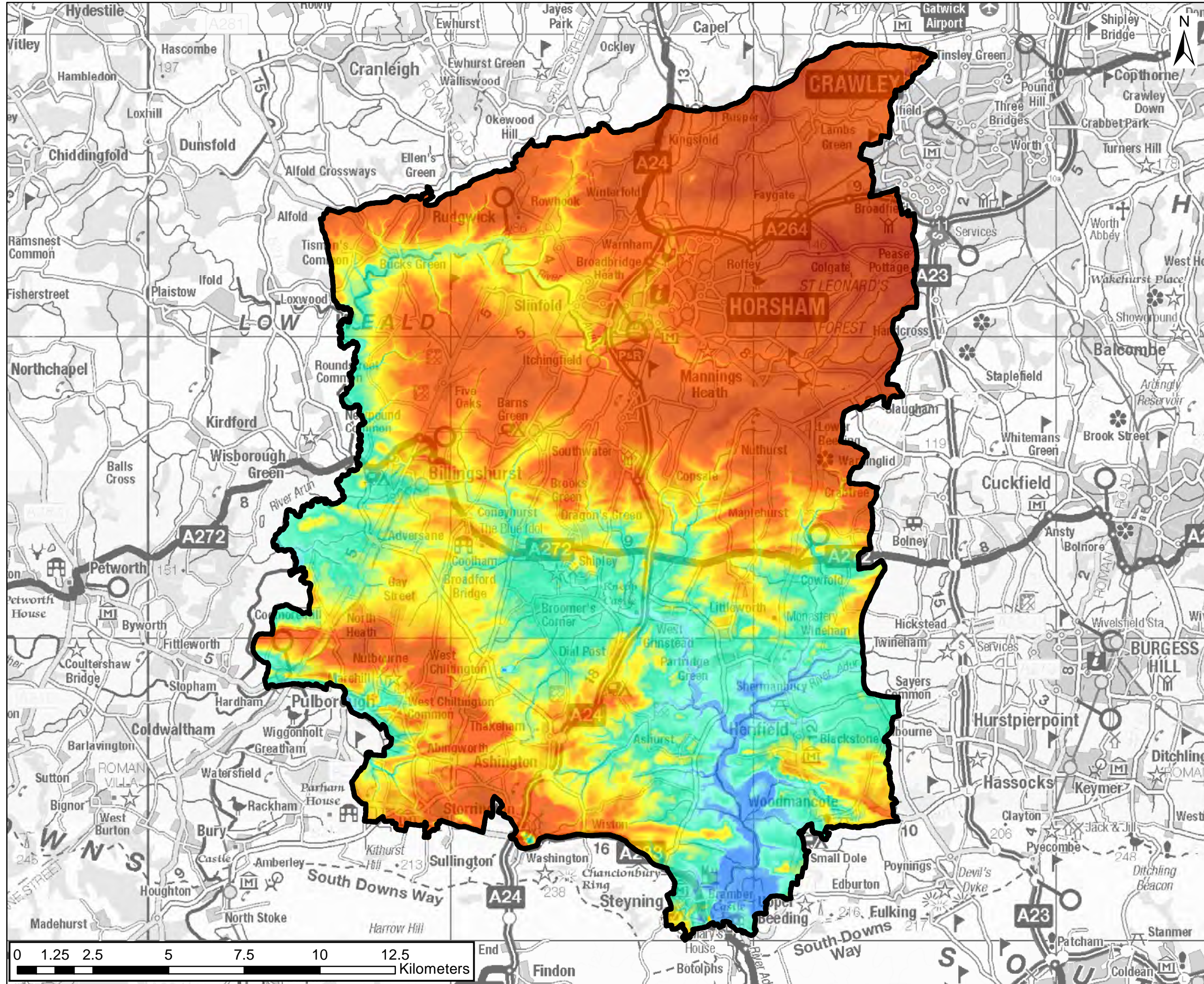
Figure A8: Groundwater Flooding

Figure A9: Surface Water Extents

Figure A10: Reservoir Flood Extents

Figure A11: Flood Warning Areas

Figure A12: Opportunities to Reduce the Causes and Impacts of Flooding



**PROJECT**  
 Horsham District Council  
 Level 1 Strategic Flood Risk  
 Assessment

**CLIENT**  
 Horsham District Council

**CONSULTANT**

AECOM Limited  
 3rd Floor Portwall Place  
 Portwall Lane  
 Bristol, United Kingdom  
 T +44 (0)117 315 0700

- LEGEND**
- Horsham District Boundary
  - LiDAR Topographic Survey (mAOD)**
  - <5
  - 10
  - 20
  - 30
  - 50
  - 70
  - >100

**NOTES**

1: Light Detection and Ranging (LIDAR) is an airborne mapping technique which uses laser to measure the distance between the aircraft and the ground.

2: This dataset has a spatial resolution of 1m and contains digital elevation data derived from surveys carried out between 2000 and 2020

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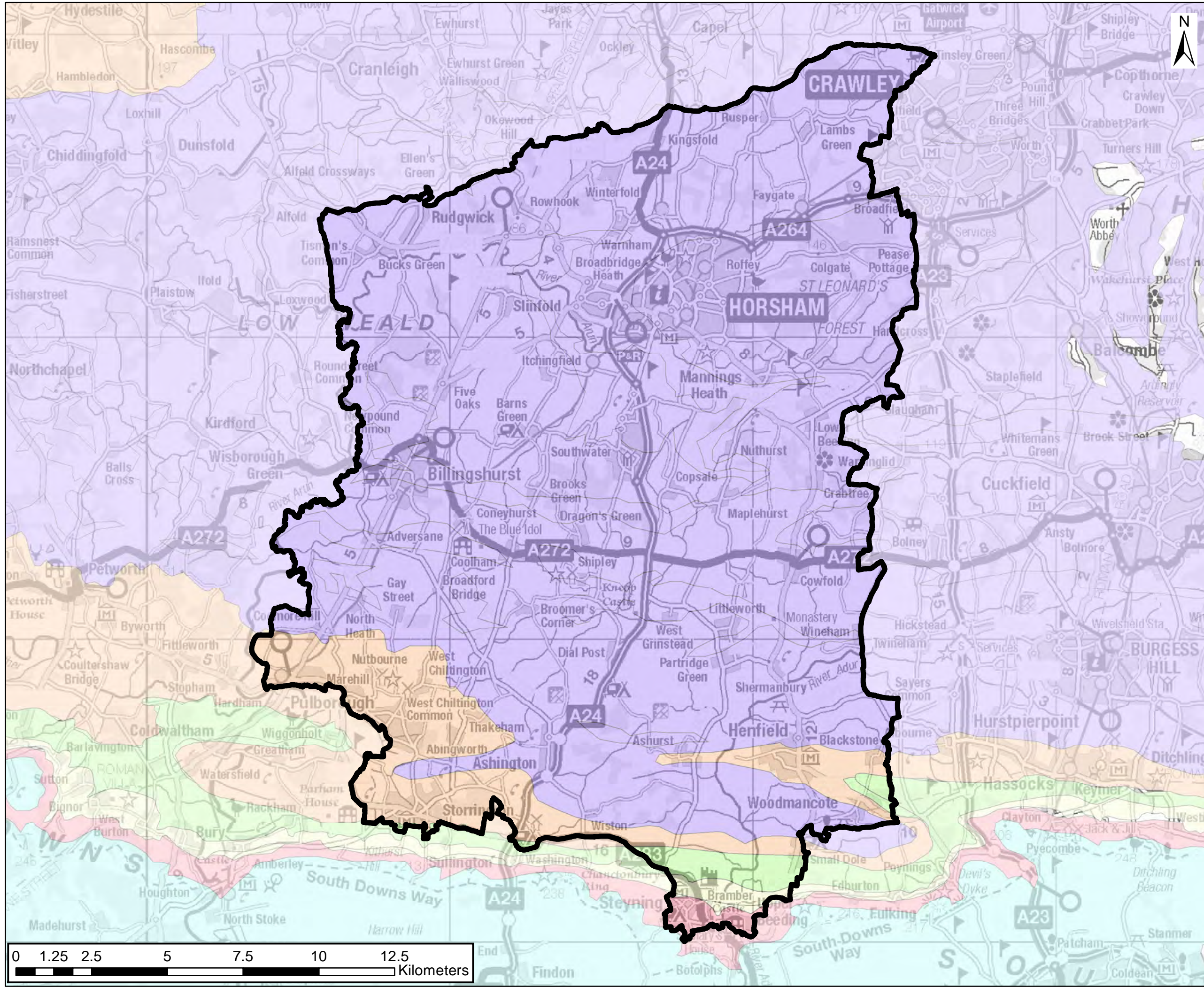
**ISSUE PURPOSE**  
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**PROJECT NUMBER**  
 60730513

**FIGURE TITLE**  
 Topography

**FIGURE NUMBER**  
 Figure A1

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 Portwall Lane  
 Bristol, United Kingdom  
 T +44 (0)117 315 0700

**LEGEND**  
 Horsham District Boundary

- Bedrock Geology**
- GAULT FORMATION
  - GREY CHALK SUBGROUP
  - LAMBETH GROUP
  - LOWER GREENSAND GROUP
  - UPPER GREENSAND FORMATION
  - WEALDEN GROUP
  - WHITE CHALK SUBGROUP

**NOTES**

- 1: This map shows the bands of Bedrock Geology as provided by the Horsham District Council.
- 2: Superficial Deposits data was requested from the Horsham District Council however this has not been provided.
- 3: This map is intended to provide a strategic overview of the geology and should not be used to assess the flood risk for individual properties.

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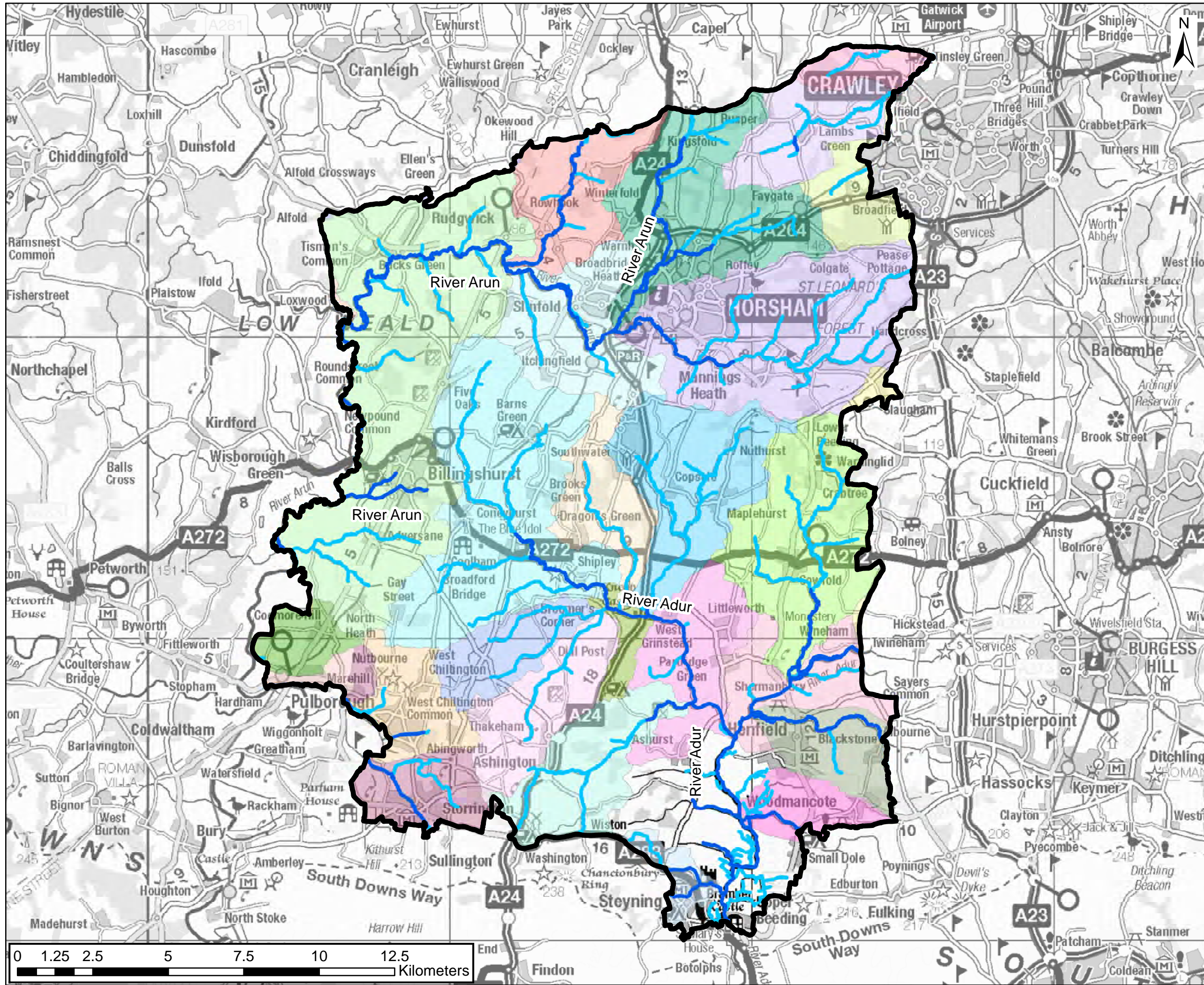
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**FIGURE TITLE**  
 Bedrock Geology

**FIGURE NUMBER**  
 Figure A2

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 Portwall Lane  
 Bristol, United Kingdom  
 T +44 (0)117 315 0700

- LEGEND**
- Horsham District Boundary
  - Main Rivers
  - Ordinary Watercourses
  - Adur (East)
  - Adur (Hammer pond)
  - Adur (Knepp)
  - Adur (Lancing brook)
  - Adur (Lockbridge)
  - Adur East (Sakeham)
  - Adur West
  - Arun (U/S Pallingham)
  - Arun Horsham
  - Arun Source
  - Arun downstream Pallingham Weir
  - Baldhorns Brook
  - Black Sewer
  - Blakes Gill
  - Boldings Brook
  - Bolney Sewer
  - Chess Stream
  - Chilt
  - Cowfold Stream
  - Cranleigh Waters
  - Deanoak Brook
  - Honeybridge Stream
  - Ifield Brook
  - Knepp Mill Stream
  - Loxwood Stream
  - Mole upstream of Horley
  - North River
  - Ouse from Slaugham to Ardingly Reservoir
  - Stor
  - Western Rother
  - Woodsmill Stream

**NOTES**

1: This map shows the WFD river waterbody catchments. Catchments are defined as an area of land from which all surface run-off flows through a series of streams, rivers and, possibly, lakes to a particular point in the watercourse such as a river confluence. The WFD Catchments are provided on the Defra Data Services website (<https://environment.data.gov.uk>)

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**FIGURE TITLE**  
 Watercourses and River Catchments

**FIGURE NUMBER**  
 Figure A3

**PROJECT**  
Horsham District Council  
Level 1 Strategic Flood Risk  
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**CONSULTANT**

AECOM Limited  
3rd Floor Portwall Place  
Portwall Lane  
Bristol, United Kingdom  
T +44 (0)117 315 0700

**LEGEND**

- Horsham District Boundary
- Recorded Flood Outlines

**West Sussex Historic Flooding Incidents**

- 2014
- 2015
- 2016
- 2017
- 2018
- 2019
- 2020
- 2021
- 2022
- 2023

**NOTES**

1: This map shows all historic flooding from rivers, the sea, groundwater, and surface water since 1894 in the Horsham District Council area based on the Environment Agency's Recorded Flood Outlines GIS layer. The Recorded Flood Outlines GIS layer is provided on the Defra Data Services Platform: <https://environment.data.gov.uk/>.

2: This map shows the West Sussex County Council recorded flood events register which covers 2014-2023. It should be noted that this dataset only includes records where flooding has been reported to WSCC.

3: This map is intended to provide a strategic overview of historic flooding and should not be used to assess the flood risk for individual properties.

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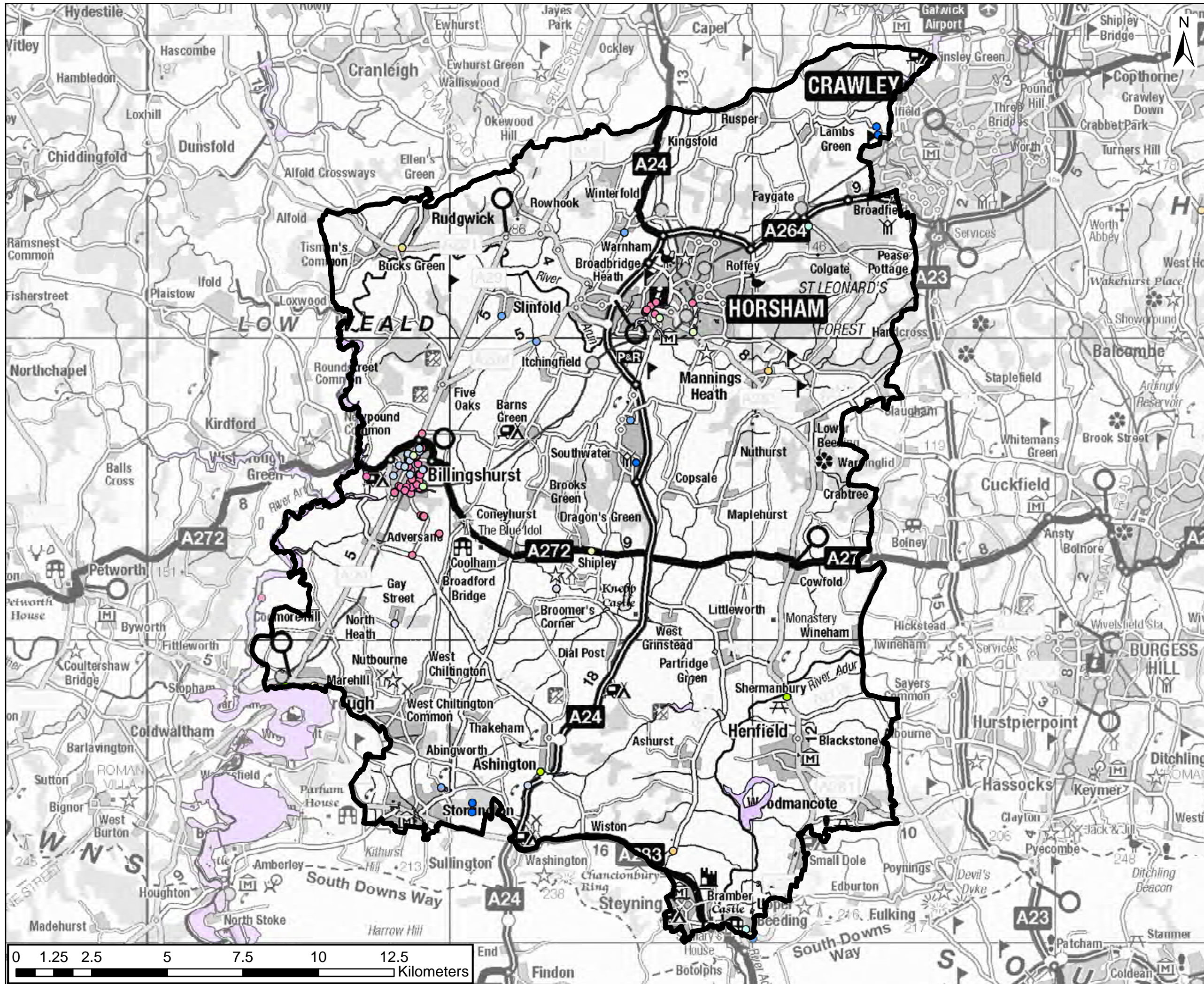
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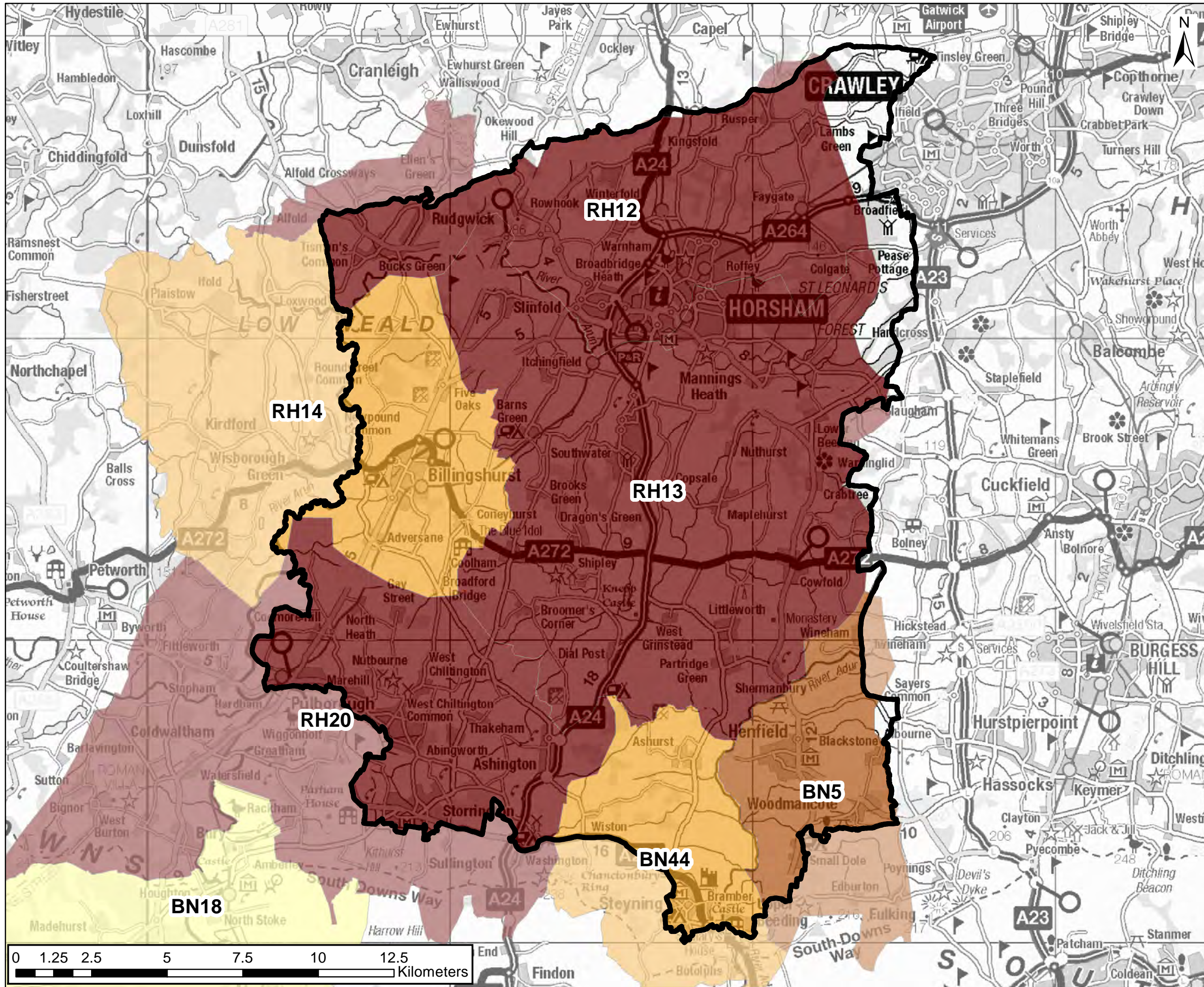
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**FIGURE TITLE**  
Recorded Flood Outlines

**FIGURE NUMBER**  
Figure A4



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 Bristol, United Kingdom  
 T +44 (0)117 315 0700

**LEGEND**  
 Horsham District Boundary

**No. of sewer flooding incidents  
 by postcode**

- 2 - 10
- 11 - 20
- 21 - 30
- 31 - 40
- 41 - 120

**NOTES**

1: Southern Water have provided records of sewer flooding incidents in the Horsham District Council area over the 10 year period 2014-2024. For confidentiality reasons, the records have been reported at the postal district level, as reflected in the figure here.

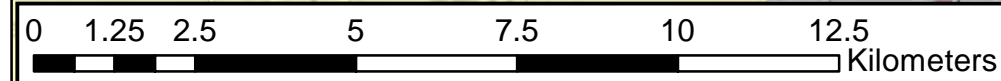
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**FIGURE TITLE**  
 Sewer Flooding Incidents ( 2014-2024)

**FIGURE NUMBER**  
 Figure A5



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