North

HUDDERSFIELD

RIVER DEARNE

Sough Dike

RIVER DOVE

RIVER DON

Knoll Beck

HEMSWORTH

ROYSTON

WORSBROUGH

ROTHERHAM

SHEFFIELD

STOCKSBRIDGE

HOYLAND

MEXBOROUGH

LEGEND

1:120,000

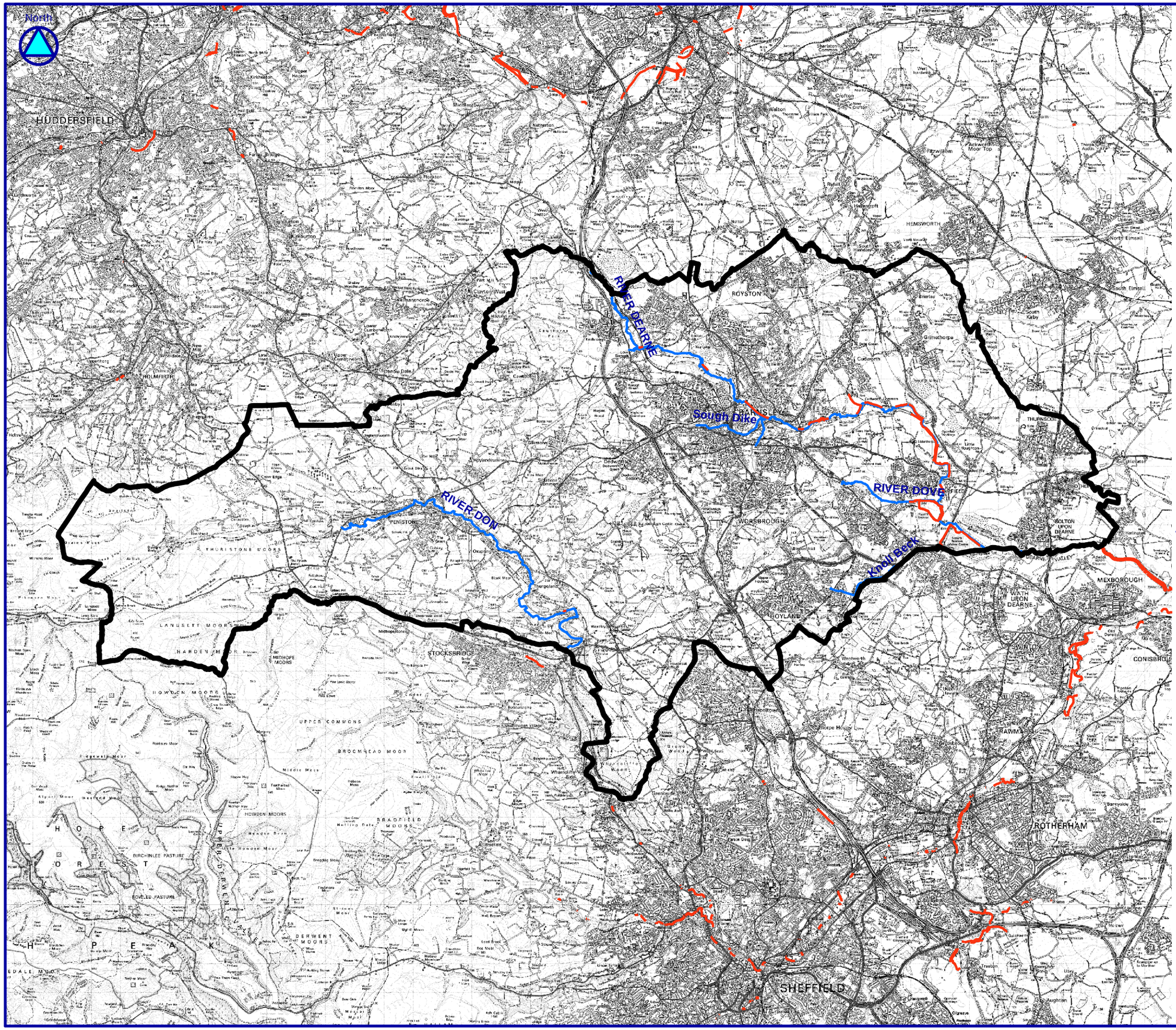
- Main River
- Flood Zone 2
- Barnsley MBC Boundary

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MAP 4

FLOOD ZONE 2



1:126,172

LEGEND

Barnsley MBC Boundary

Main River

Existing Flood Defences

Flood Defence

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MAP 5

EXISTING DEFENCES

North

HUDDERSFIELD

RIVER DEARNE

Sough Dike

RIVER DOVE

RIVER DON

Knoll Beck

ROYSTON

HEMSWORTH

WORSBROUGH

MEXBOROUGH

ROTHERHAM

SHEFFIELD

HOLMFIRTH

PENISTONE

THURLSTONE MOORS

LANGSETT MOOR

TOCKSBRIDGE

HOWDEN MOORS

BRADFIELD MOORS

DERWENT MOORS

EDALE MOOR

HOYLAND

RAWMARSH

LEGEND

1:126,172

- Main River
- Barnsley MBC Boundary
- Functional Floodplain (FZ3b)

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MAP 6

FUNCTIONAL FLOODPLAIN (FZ3b)

Appendix E

MicroDrainage Calculations

Greenfield Runoff Rate Assessment

Attenuation Basin Calculation

ICP SUDS Mean Annual Flood

Input

Return Period (years) 100 SAAR (mm) 672 Urban 0.000
Area (ha) 1.300 Soil 0.450 Region Number Region 3

Results l/s

QBAR Rural 5.4
QBAR Urban 5.4

Q100 years 11.3

Q1 year 4.7
Q30 years 9.6
Q100 years 11.3

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