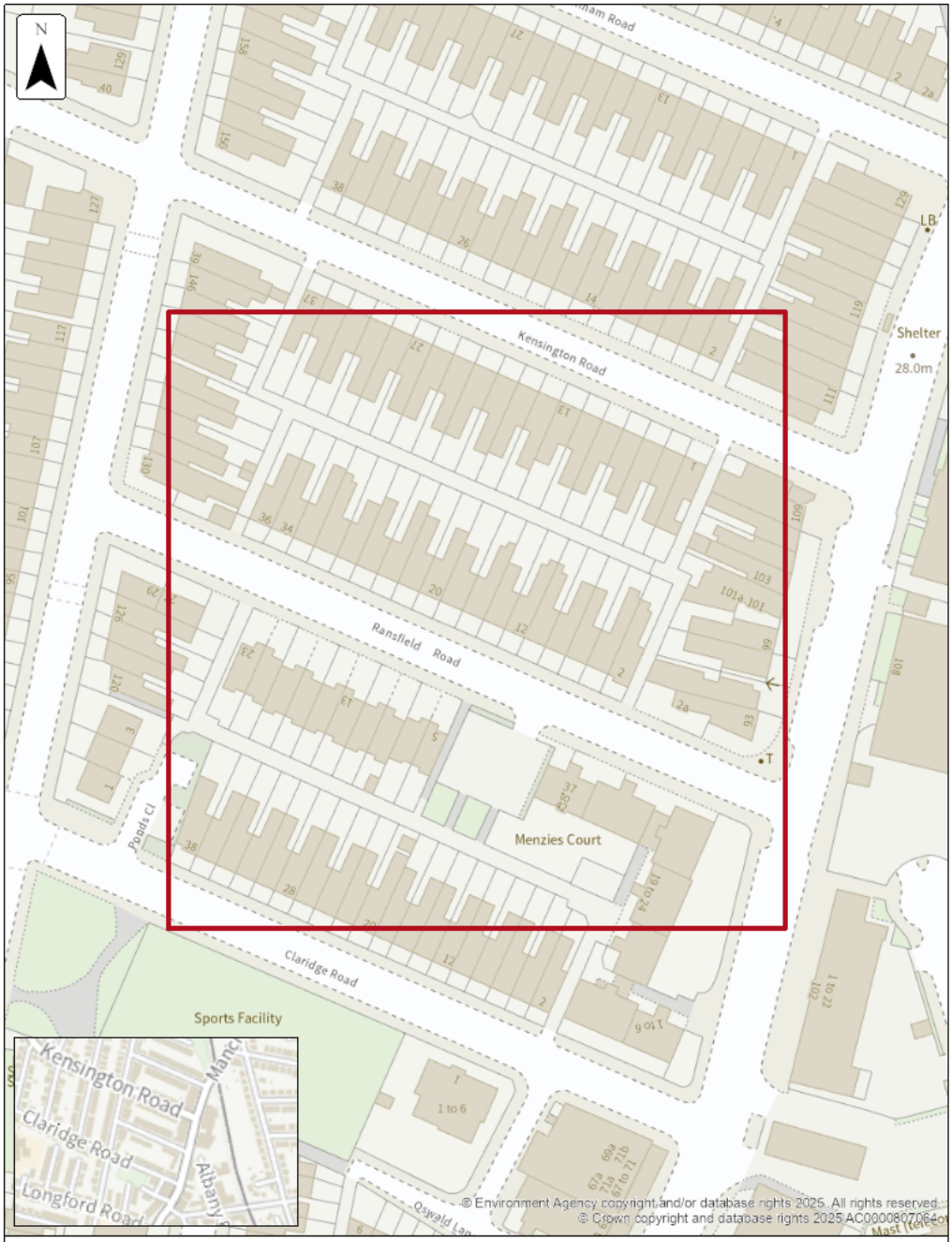
Flood risk assessment data

Location of site: 381594 / 394483 (shown as easting and northing coordinates)
Document created on: 6 May 2025
This information was previously known as a product 4.
Customer reference number: NJ6U3789NB1K

Map showing the location that flood risk assessment data has been requested for.



Selected area

Site location

Scale 1:1,000

0 10 20 30 40 50
metres

How to use this information

You can use this information as part of a flood risk assessment for a planning application. To do this, you should include it in the appendix of your flood risk assessment.

> **We recommend that you work with a flood risk consultant to get your flood risk assessment.**

Included in this document

In this document you'll find:

- how to find information about surface water and other sources of flooding
- information on the models used
- definitions for the terminology used throughout
- flood map for planning (rivers and the sea)
- modelled data
- information about strategic flood risk assessments
- information about this data
- information about flood risk activity permits
- help and advice

Information that's unavailable

This document **does not** contain:

- past floods
- flood defences and attributes

We do not have past flooding data for this location.

Please note that:

- flooding may have occurred that we do not have records for
- flooding can come from a range of different sources
- we can only supply flood risk data relating to floodng from rivers or the sea

You can contact your Lead Local Flood Authority or Internal Drainage Board to see if they have other relevant local flood information. Please note that some areas do not have an Internal Drainage Board.

We aren't able to display flood defence locations and attributes as there are no formal flood defences in the area of interest.

Surface water and other sources of flooding

When using the surface water map on the check your long term flood risk service the following considerations apply:

- surface water extents are suitable for use in planning
- surface water climate change scenarios may help to inform risk assessments, but the available data fall short of what is required to assess planned development
- surface water depth information should not be used for planning purposes

To find out about other factors that might affect the flood risk of this location, you should also check:

- reservoir flood risk
- groundwater flood risk - you could use the British Geological Survey groundwater flooding data, groundwater: current status and flood risk and the guide on mining and groundwater constraints for development - further information may be available from the lead local flood authority (LLFA)
- your local planning authority's SFRA, which includes future flood risk

Your Lead Local Flood Authority is Manchester District.

For information about sewer flooding, contact the relevant water company for the area.

About the models used

Model name: Chorlton Platt Gore 2024
Scenario(s): Defended fluvial, defences removed fluvial, defended climate change fluvial, defences removed climate change fluvial
Date: 15 April 2024

These models contain the most relevant data for your area of interest.

Terminology used

Annual exceedance probability (AEP)

This refers to the probability of a flood event occurring in any year. The probability is expressed as a percentage. For example, a large flood which is calculated to have a 1% chance of occuring in any one year, is described as 1% AEP.

Metres above ordnance datum (mAOD)

All flood levels are given in metres above ordnance datum which is defined as the mean sea level at Newlyn, Cornwall.

Flood map for planning (rivers and the sea)

Your selected location is in flood zone 2.

Flood zone 3 shows the area at risk of flooding for an undefended flood event with a:

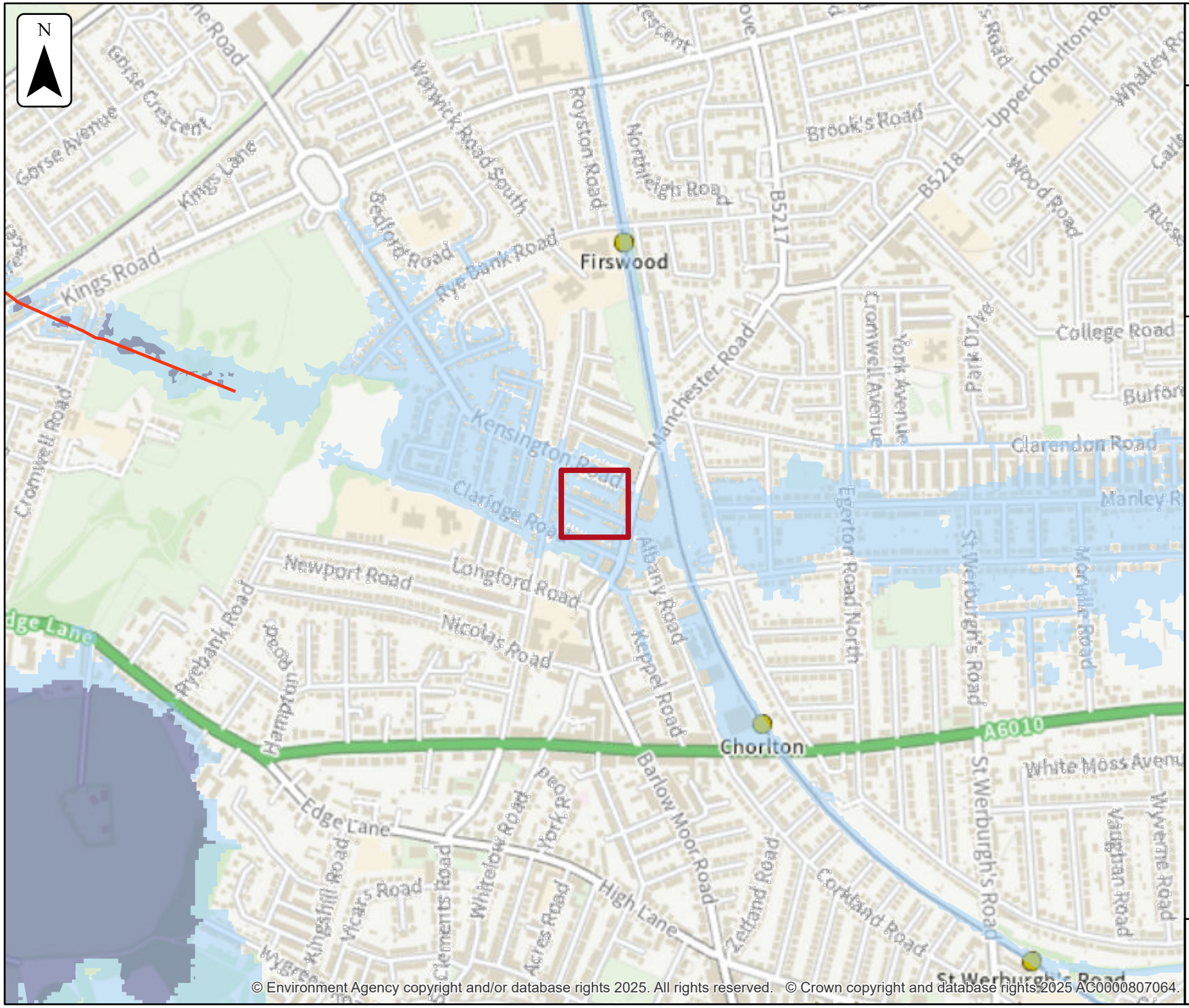
- 0.5% or greater probability of occurring in any year for flooding from the sea
- 1% or greater probability of occurring in any year for fluvial (river) flooding

Flood zone 2 shows the area at risk of flooding for an undefended flood event with:

- between a 0.1% and 0.5% probability of occurring in any year for flooding from the sea
- between a 0.1% and 1% probability of occurring in any year for fluvial (river) flooding

It's important to remember that the flood zones on this map:

- refer to the land at risk of flooding and do not refer to individual properties
- refer to the probability of river and sea flooding, ignoring the presence of defences
- do not take into account potential impacts of climate change



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Environment Agency

Flood map for planning

Location (easting/northing)
381594/394483

Scale
1:10,000

Created
6 May 2025

- Selected area
- Main river
- Flood defence
- Water storage area

Flood Zones 2 and 3
Rivers and Sea

- Flood Zone 3
- Flood Zone 2

0 100 200 300 400 500
metres

Modelled data

This section provides details of different scenarios we have modelled and includes the following (where available):

- outline maps showing the area at risk from flooding in different modelled scenarios
- map(s) showing the approximate water levels for the return period with the largest flood extent for a scenario and table(s) of sample points providing details of the flood risk for different return periods

Climate change

The climate change data included in the models may not include the latest flood risk assessment climate change allowances. Where the new allowances are not available you will need to consider this data and factor in the new allowances to demonstrate the development will be safe from flooding.

The Environment Agency will incorporate the new allowances into future modelling studies. For now, it's your responsibility to demonstrate that new developments will be safe in flood risk terms for their lifetime.

Modelled scenarios

The following scenarios are included:

- Defended modelled fluvial: risk of flooding from rivers where there are flood defences
- Defences removed modelled fluvial: risk of flooding from rivers where flood defences have been removed
- No defences exist modelled fluvial: risk of flooding from rivers where there are no flood defences
- Defended climate change modelled fluvial: risk of flooding from rivers where there are flood defences, including estimated impact of climate change
- Defences removed climate change modelled fluvial: risk of flooding from rivers where flood defences have been removed, including estimated impact of climate change
- No defences exist climate change modelled fluvial: risk of flooding from rivers where there are no flood defences, including estimated impact of climate change

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Environment Agency

Defences removed climate change modelled fluvial extent

Location (easting/northing)
381594/394483

Scale
1:10,000

Created
6 May 2025

Model name
Chorlton Platt Gore 2024

Selected area

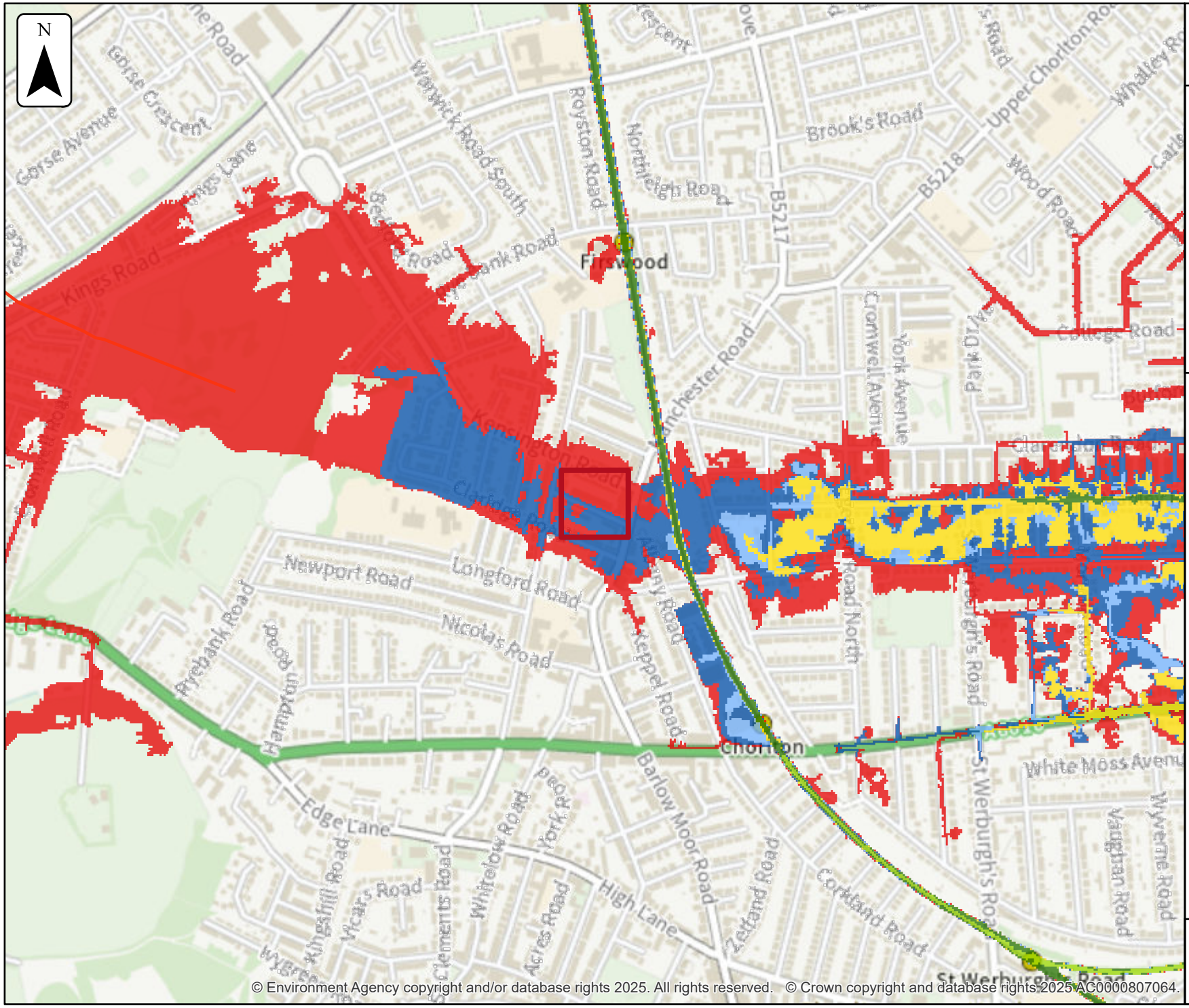
Main river

Modelled flood extent

- 1% AEP (+41%)
- 1% AEP (+53%)
- 1% AEP (+85%)
- 0.1% AEP (+53%)

Flood extents may not be visible where they overlap other return periods

0 100 200 300 400 500
metres



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Environment Agency

Defences removed modelled fluvial extent

Location (easting/northing)
381594/394483

Scale
1:10,000

Created
6 May 2025

Model name
Chorlton Platt Gore 2024

Selected area

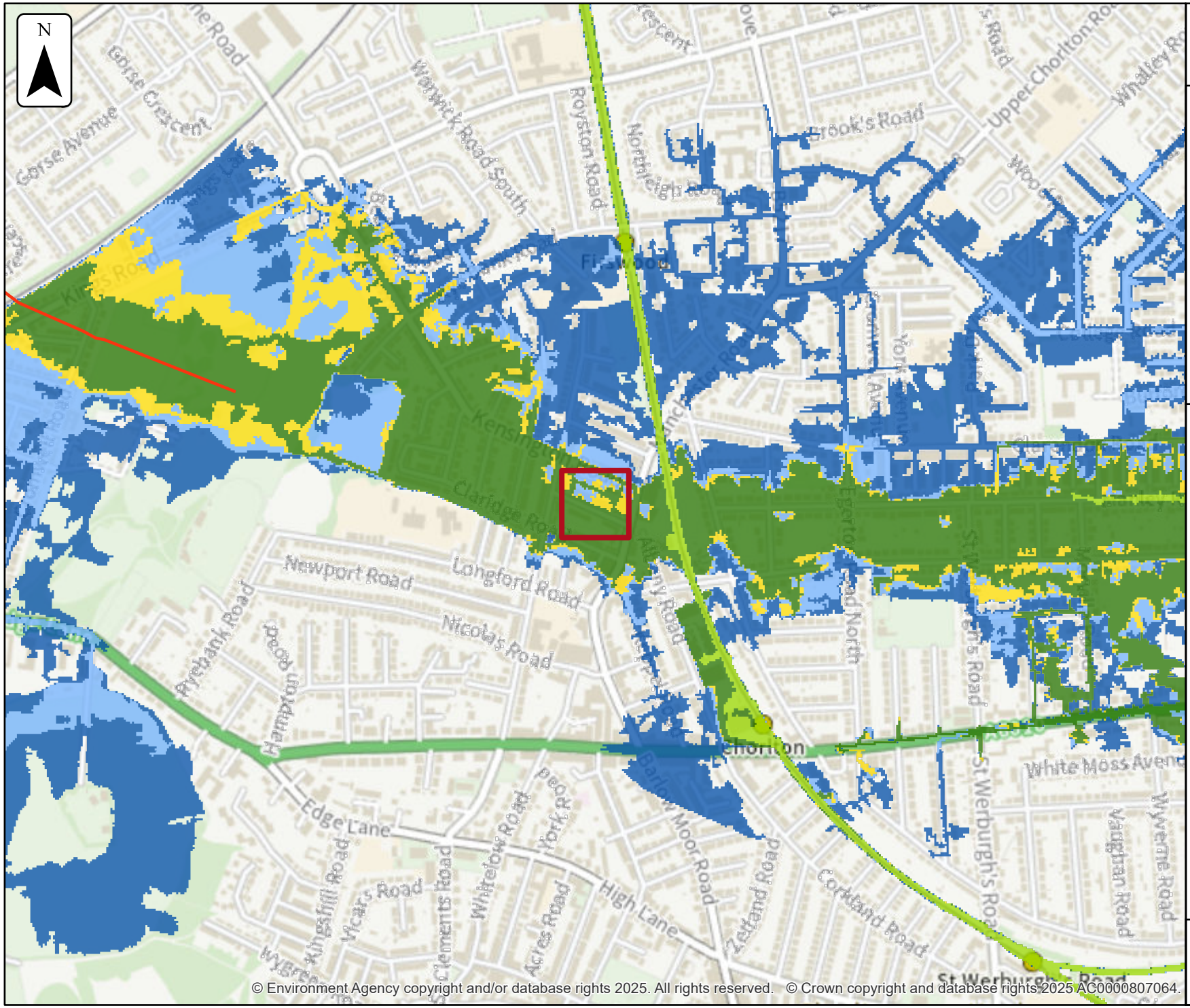
Main river

Modelled flood extent

- 5% AEP
- 2% AEP
- 1.33% AEP
- 1% AEP
- 0.5% AEP
- 0.1% AEP

Flood extents may not be visible where they overlap other return periods

0 100 200 300 400 500
metres



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Environment Agency

Defended climate change modelled fluvial extent

Location (easting/northing)
381594/394483

Scale
1:10,000

Created
6 May 2025

Model name
Chorlton Platt Gore 2024

Selected area

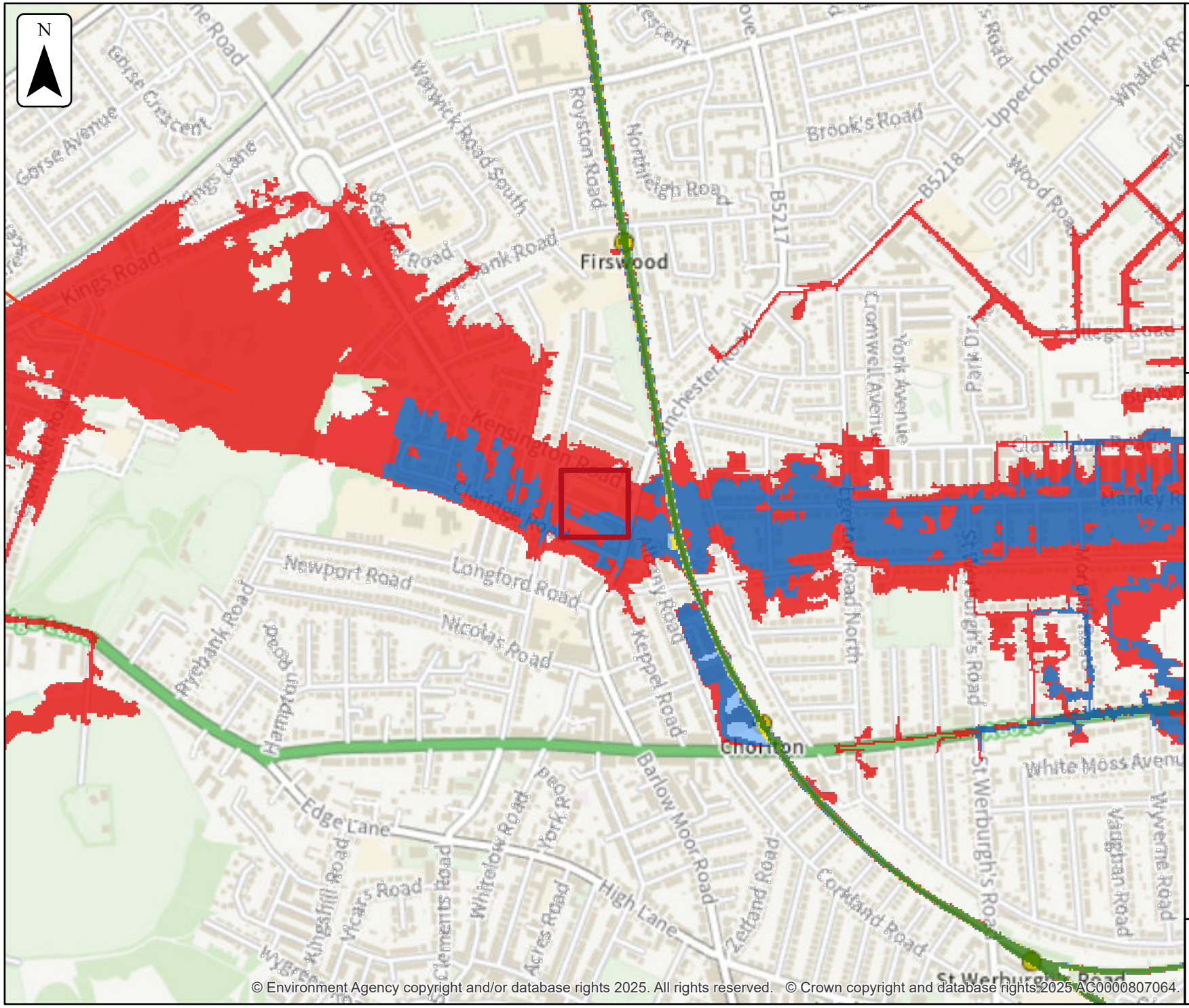
Main river

Modelled flood extent

- 5% AEP (+53%)
- 1% AEP (+41%)
- 1% AEP (+53%)
- 1% AEP (+85%)
- 0.1% AEP (+53%)

Flood extents may not be visible where they overlap other return periods

0 100 200 300 400 500
metres



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Environment Agency

Defended modelled fluvial extent

Location (easting/northing)
381594/394483

Scale
1:10,000

Created
6 May 2025

Model name
Chorlton Platt Gore 2024

Selected area

Main river

Modelled flood extent

- 2% AEP
- 1.33% AEP
- 1% AEP
- 0.5% AEP
- 0.1% AEP

Flood extents may not be visible where they overlap other return periods

0 100 200 300 400 500
metres

Detailed Flood Map

Environment Agency

1:20,001

N

Legend

- Site Location
- Model Measurements
- Main River
- Flood Zone 3
- Flood Zone 2

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					Undefended													Defended												
Map Reference	Model Node Reference	Easting	Northing	Data	50 % AEP (1 in 2 year)	20 % AEP (1 in 5 year)	10 % AEP (1 in 10 year)	5 % AEP (1 in 20 year)	2 % AEP (1 in 50 year)	1.33 % AEP (1 in 75 year)	1 % AEP (1 in 100 year)	0.5 % AEP (1 in 200 year)	0.1 % AEP (1 in 1000 year)	1 % AEP (1 in 100 year) + 41% increase in flow	1 % AEP (1 in 100 year) + 53% increase in flow	1 % AEP (1 in 100 year) + 85% increase in flow	0.1 % AEP (1 in 1000 year) + 53% increase in flow	50 % AEP (1 in 2 year)	20 % AEP (1 in 5 year)	10 % AEP (1 in 10 year)	5 % AEP (1 in 20 year)	2 % AEP (1 in 50 year)	1.33 % AEP (1 in 75 year)	1 % AEP (1 in 100 year)	0.5 % AEP (1 in 200 year)	0.1 % AEP (1 in 1000 year)	1 % AEP (1 in 100 year) + 41% increase in flow	1 % AEP (1 in 100 year) + 53% increase in flow	1 % AEP (1 in 100 year) + 85% increase in flow	0.1 % AEP (1 in 1000 year) + 53% increase in flow
1	ea013_0317_03314	383114	393545	Modelled Water Level (m aodh)	27.19	28.26	28.96	29.51	29.72	29.76	29.78	29.83	30.05	29.88	29.90	29.95	30.17	27.20	28.26	28.96	29.56	29.75	29.78	29.80	29.84	30.05	29.89	29.91	29.96	30.17
				Modelled Flow (cumecs)	14.70	19.25	22.47	24.73	25.56	25.76	25.64	26.13	26.50	26.28	26.35	26.50	32.79	14.73	19.26	22.48	25.14	25.91	26.09	26.19	26.41	26.95	26.53	27.22	26.73	26.59
2	ea013_0317_02345	382228	393341	Modelled Water Level (m aodh)	26.14	26.92	27.45	27.83	27.98	28.01	28.01	28.07	28.27	28.12	28.16	28.25	28.47	26.14	26.92	27.45	27.86	27.99	28.01	28.03	28.08	28.29	28.14	28.18	28.26	28.48
				Modelled Flow (cumecs)	14.47	18.79	21.58	23.82	24.23	24.17	24.29	24.44	24.85	24.51	25.07	24.63	27.05	14.49	18.79	21.58	23.97	24.34	24.31	24.37	24.53	25.06	24.57	33.37	24.66	24.57
3	ea013_0317_01389	381508	393194	Modelled Water Level (m aodh)	23.65	23.84	23.95	24.04	24.10	24.11	24.12	24.15	24.25	24.19	24.21	24.30	24.64	23.65	23.84	23.95	24.06	24.12	24.14	24.15	24.19	24.52	24.31	24.45	24.58	24.85
				Modelled Flow (cumecs)	14.61	18.62	21.06	23.35	24.60	24.99	25.13	25.89	28.27	26.61	23.18	29.09	24.53	14.62	18.62	21.09	23.46	24.75	25.15	25.39	26.08	28.57	27.00	26.01	29.34	33.34
4	ea013_0317_00305	380452	393278	Modelled Water Level (m aodh)	21.75	21.97	22.08	22.14	22.17	22.18	22.18	22.20	22.26	22.22	22.24	22.30	22.54	21.75	21.97	22.12	22.27	22.36	22.39	22.41	22.48	22.69	22.55	22.61	22.75	23.03
				Modelled Flow (cumecs)	14.76	18.79	20.65	21.64	22.12	22.27	22.32	22.61	23.44	22.98	27.44	24.02	27.41	14.78	18.80	21.27	23.63	24.94	25.35	25.61	26.38	28.95	27.33	25.14	29.74	27.67

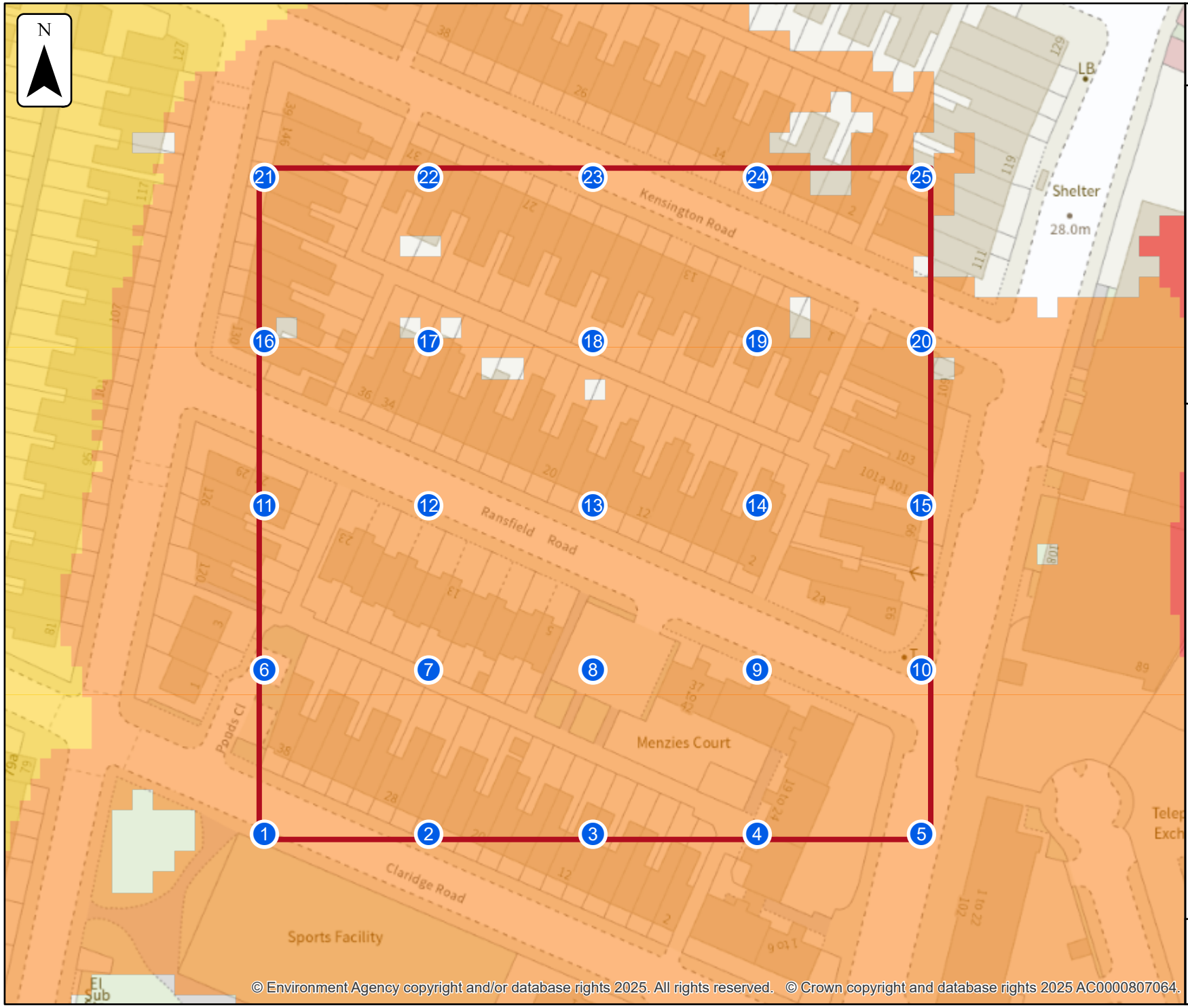
Model data taken from Chorlton Platt Gore 2024

AEP - Annual Exceedence Probability

m aodh - metres above ordnance datum Newlyn

cumecs - cubic metres per second

Notes: *Climate Change Scenario - 41%, 53% and 85% increases in flow calculated for the 2080's (2070 - 2115). Please see https://www.gov.uk/guidance/flood-risk-assessments-climate-change-allowances for more information regarding the new climate change guidance. The location of the site and the type (vulnerability) of development determine the climate change allowances to consider in any flood risk assessment.



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Environment Agency

Defended modelled fluvial extent and height

Location (easting/northing)
381594/394483

Scale
1:1,000

Created
6 May 2025

Model name
Chorlton Platt Gore 2024

Selected area

Main river

Modelled 2D grid
Water level in mAOD

- 0 - 26.0
- 26.0 - 26.25
- 26.25 - 26.5
- 26.5 - 26.75
- 26.75 - 27.0
- 27.0 - 27.25
- 27.25 - 27.5
- 27.5 - 27.75
- 27.75 - 28.0

This map shows the 0.1% AEP height data

0 10 20 30 40
metres

Sample point data

Defended

Label	Easting	Northing	3.33% AEP	2% AEP	1.33% AEP	1% AEP	0.5% AEP	0.1% AEP
			Depth	Depth	Depth	Depth	Depth	Depth
1	381529	394419	NoData	NoData	NoData	NoData	NoData	0.45
2	381561	394419	NoData	NoData	NoData	NoData	0.03	0.41
3	381593	394419	NoData	NoData	NoData	NoData	NoData	0.26
4	381625	394419	NoData	NoData	NoData	NoData	0.04	0.37
5	381657	394419	NoData	NoData	NoData	NoData	0.05	0.36
6	381529	394451	NoData	NoData	NoData	NoData	0.07	0.51
7	381561	394451	NoData	NoData	NoData	NoData	0.14	0.59
8	381593	394451	NoData	NoData	NoData	NoData	0.06	0.44
9	381625	394451	NoData	NoData	NoData	NoData	NoData	0.37
10	381657	394451	NoData	NoData	NoData	NoData	0.00	0.24
11	381529	394483	NoData	NoData	NoData	NoData	NoData	0.30
12	381561	394483	NoData	NoData	NoData	NoData	NoData	0.52

Label	Easting	Northing	3.33% AEP	2% AEP	1.33% AEP	1% AEP	0.5% AEP	0.1% AEP
			Depth	Depth	Depth	Depth	Depth	Depth
13	381593	394483	NoData	NoData	NoData	NoData	NoData	0.14
14	381625	394483	NoData	NoData	NoData	NoData	NoData	0.17
15	381657	394483	NoData	NoData	NoData	NoData	NoData	0.14
16	381529	394515	NoData	NoData	NoData	NoData	NoData	0.17
17	381561	394515	NoData	NoData	NoData	NoData	NoData	0.08
18	381593	394515	NoData	NoData	NoData	NoData	NoData	0.18
19	381625	394515	NoData	NoData	NoData	NoData	NoData	0.26
20	381657	394515	NoData	NoData	NoData	NoData	NoData	0.09
21	381529	394547	NoData	NoData	NoData	NoData	NoData	0.24
22	381561	394547	NoData	NoData	NoData	NoData	NoData	0.10
23	381593	394547	NoData	NoData	NoData	NoData	NoData	0.31
24	381625	394547	NoData	NoData	NoData	NoData	NoData	0.06

Label	Easting	Northing	3.33% AEP	2% AEP	1.33% AEP	1% AEP	0.5% AEP	0.1% AEP
			Depth	Depth	Depth	Depth	Depth	Depth
25	381657	394547	NoData	NoData	NoData	NoData	NoData	0.07
Max value in selected area:			NoData	NoData	NoData	NoData	0.36	0.80

Data in this table comes from the Chorlton Platt Gore 2024 model. Height values are shown in mAOD, and depth values are shown in metres.
Any blank cells show where a particular scenario has not been modelled for this location.
Cells which contain text 'NoData' for a scenario show that return period has been modelled but there is no flood risk for that return period for that location.
'Max value in selected area' is the deepest depth or highest height at any location within your drawn boundary.

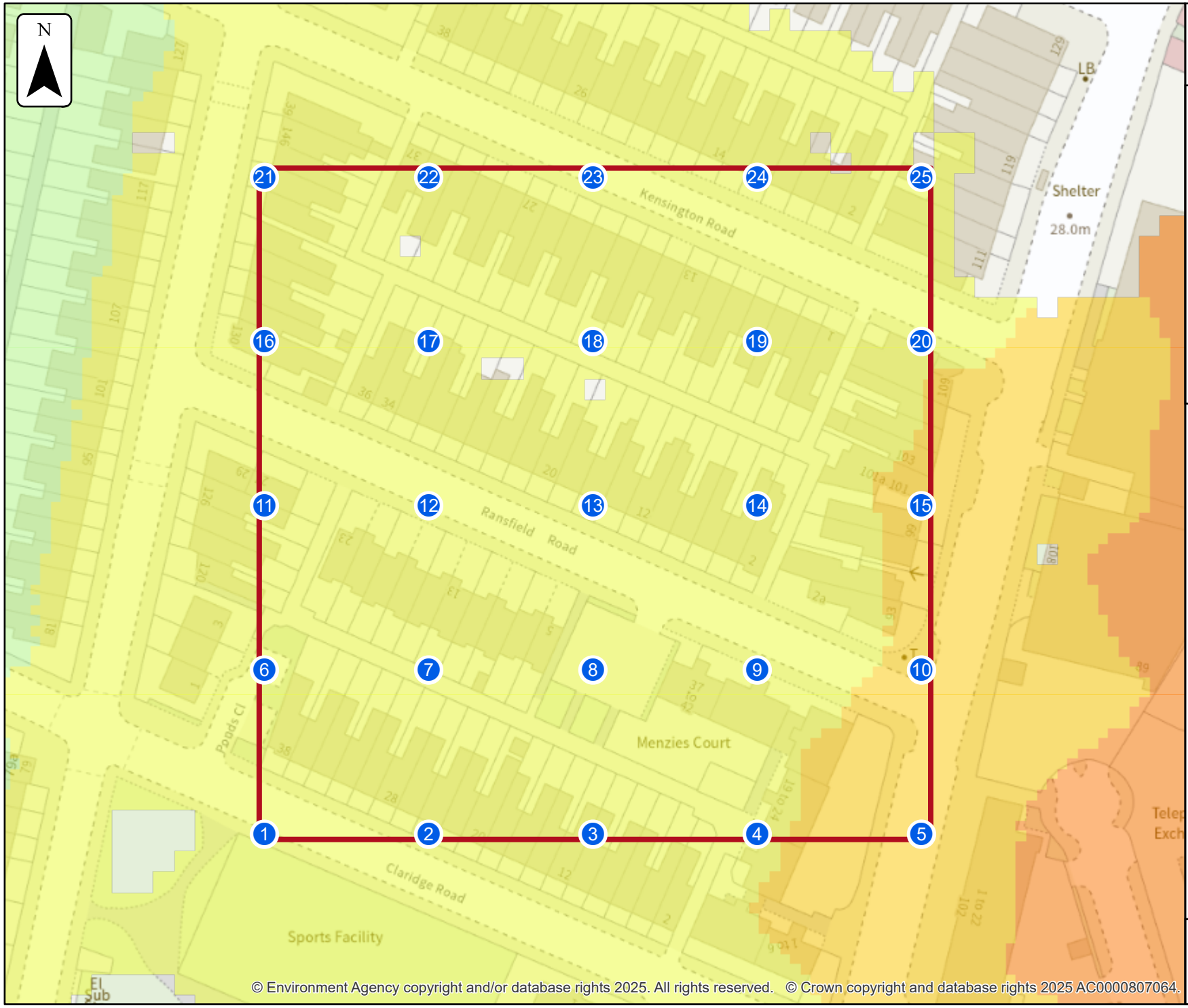
Defended

Label	Easting	Northing	3.33% AEP	2% AEP	1.33% AEP	1% AEP	0.5% AEP	0.1% AEP
			Height	Height	Height	Height	Height	Height
1	381529	394419	NoData	NoData	NoData	NoData	NoData	27.52
2	381561	394419	NoData	NoData	NoData	NoData	27.12	27.53
3	381593	394419	NoData	NoData	NoData	NoData	NoData	27.55
4	381625	394419	NoData	NoData	NoData	NoData	27.22	27.55
5	381657	394419	NoData	NoData	NoData	NoData	27.31	27.62
6	381529	394451	NoData	NoData	NoData	NoData	27.08	27.52
7	381561	394451	NoData	NoData	NoData	NoData	27.09	27.53
8	381593	394451	NoData	NoData	NoData	NoData	27.16	27.55
9	381625	394451	NoData	NoData	NoData	NoData	NoData	27.56
10	381657	394451	NoData	NoData	NoData	NoData	27.34	27.63
11	381529	394483	NoData	NoData	NoData	NoData	NoData	27.52
12	381561	394483	NoData	NoData	NoData	NoData	NoData	27.53

Label	Easting	Northing	3.33% AEP	2% AEP	1.33% AEP	1% AEP	0.5% AEP	0.1% AEP
			Height	Height	Height	Height	Height	Height
13	381593	394483	NoData	NoData	NoData	NoData	NoData	27.54
14	381625	394483	NoData	NoData	NoData	NoData	NoData	27.55
15	381657	394483	NoData	NoData	NoData	NoData	NoData	27.65
16	381529	394515	NoData	NoData	NoData	NoData	NoData	27.51
17	381561	394515	NoData	NoData	NoData	NoData	NoData	27.52
18	381593	394515	NoData	NoData	NoData	NoData	NoData	27.53
19	381625	394515	NoData	NoData	NoData	NoData	NoData	27.54
20	381657	394515	NoData	NoData	NoData	NoData	NoData	27.54
21	381529	394547	NoData	NoData	NoData	NoData	NoData	27.50
22	381561	394547	NoData	NoData	NoData	NoData	NoData	27.52
23	381593	394547	NoData	NoData	NoData	NoData	NoData	27.52
24	381625	394547	NoData	NoData	NoData	NoData	NoData	27.52

Label	Easting	Northing	3.33% AEP	2% AEP	1.33% AEP	1% AEP	0.5% AEP	0.1% AEP
			Height	Height	Height	Height	Height	Height
25	381657	394547	NoData	NoData	NoData	NoData	NoData	27.53
Max value in selected area:			NoData	NoData	NoData	NoData	27.36	27.66

Data in this table comes from the Chorlton Platt Gore 2024 model. Height values are shown in mAOD, and depth values are shown in metres.
Any blank cells show where a particular scenario has not been modelled for this location.
Cells which contain text 'NoData' for a scenario show that return period has been modelled but there is no flood risk for that return period for that location.
'Max value in selected area' is the deepest depth or highest height at any location within your drawn boundary.



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Defences removed modelled fluvial extent and height

Location (easting/northing)
381594/394483

Scale
1:1,000

Created
6 May 2025

Model name
Chorlton Platt Gore 2024

Selected area

Main river

Modelled 2D grid
Water level in mAOD

- 0 - 27.0
- 27.0 - 27.125
- 27.125 - 27.25
- 27.25 - 27.375
- 27.375 - 27.5
- 27.5 - 27.625
- 27.625 - 27.75
- 27.75 - 27.875
- 27.875 - 28.0

This map shows the 0.1% AEP height data

0 10 20 30 40
metres

Sample point data

Defences removed

Label	Easting	Northing	5% AEP	3.33% AEP	2% AEP	1.33% AEP	1% AEP	0.5% AEP	0.1% AEP
			Depth	Depth	Depth	Depth	Depth	Depth	Depth
1	381529	394419	NoData	NoData	NoData	NoData	NoData	0.08	0.48
2	381561	394419	NoData	NoData	NoData	NoData	NoData	0.06	0.44
3	381593	394419	NoData	NoData	NoData	NoData	NoData	NoData	0.28
4	381625	394419	NoData	NoData	NoData	NoData	NoData	0.05	0.39
5	381657	394419	NoData	NoData	NoData	NoData	NoData	0.08	0.39
6	381529	394451	NoData	NoData	NoData	NoData	NoData	0.13	0.54
7	381561	394451	NoData	NoData	NoData	NoData	NoData	0.21	0.62
8	381593	394451	NoData	NoData	NoData	NoData	NoData	0.09	0.47
9	381625	394451	NoData	NoData	NoData	NoData	NoData	0.03	0.40
10	381657	394451	NoData	NoData	NoData	NoData	NoData	0.00	0.27
11	381529	394483	NoData	NoData	NoData	NoData	NoData	NoData	0.33
12	381561	394483	NoData	NoData	NoData	NoData	NoData	NoData	0.55

Label	Easting	Northing	5% AEP	3.33% AEP	2% AEP	1.33% AEP	1% AEP	0.5% AEP	0.1% AEP
			Depth	Depth	Depth	Depth	Depth	Depth	Depth
13	381593	394483	NoData	NoData	NoData	NoData	NoData	NoData	0.17
14	381625	394483	NoData	NoData	NoData	NoData	NoData	NoData	0.20
15	381657	394483	NoData	NoData	NoData	NoData	NoData	NoData	0.16
16	381529	394515	NoData	NoData	NoData	NoData	NoData	NoData	0.20
17	381561	394515	NoData	NoData	NoData	NoData	NoData	NoData	0.11
18	381593	394515	NoData	NoData	NoData	NoData	NoData	NoData	0.20
19	381625	394515	NoData	NoData	NoData	NoData	NoData	NoData	0.29
20	381657	394515	NoData	NoData	NoData	NoData	NoData	NoData	0.12
21	381529	394547	NoData	NoData	NoData	NoData	NoData	NoData	0.27
22	381561	394547	NoData	NoData	NoData	NoData	NoData	NoData	0.14
23	381593	394547	NoData	NoData	NoData	NoData	NoData	NoData	0.34
24	381625	394547	NoData	NoData	NoData	NoData	NoData	NoData	0.10

Label	Easting	Northing	5% AEP	3.33% AEP	2% AEP	1.33% AEP	1% AEP	0.5% AEP	0.1% AEP
			Depth	Depth	Depth	Depth	Depth	Depth	Depth
25	381657	394547	NoData	NoData	NoData	NoData	NoData	NoData	0.10
Max value in selected area:			NoData	NoData	NoData	NoData	NoData	0.42	0.83

Data in this table comes from the Chorlton Platt Gore 2024 model. Height values are shown in mAOD, and depth values are shown in metres.
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'Max value in selected area' is the deepest depth or highest height at any location within your drawn boundary.

Defences removed

Label	Easting	Northing	5% AEP	3.33% AEP	2% AEP	1.33% AEP	1% AEP	0.5% AEP	0.1% AEP
			Height	Height	Height	Height	Height	Height	Height
1	381529	394419	NoData	NoData	NoData	NoData	NoData	27.15	27.55
2	381561	394419	NoData	NoData	NoData	NoData	NoData	27.17	27.56
3	381593	394419	NoData	NoData	NoData	NoData	NoData	NoData	27.58
4	381625	394419	NoData	NoData	NoData	NoData	NoData	27.24	27.58
5	381657	394419	NoData	NoData	NoData	NoData	NoData	27.34	27.65
6	381529	394451	NoData	NoData	NoData	NoData	NoData	27.14	27.55
7	381561	394451	NoData	NoData	NoData	NoData	NoData	27.15	27.56
8	381593	394451	NoData	NoData	NoData	NoData	NoData	27.19	27.58
9	381625	394451	NoData	NoData	NoData	NoData	NoData	27.21	27.59
10	381657	394451	NoData	NoData	NoData	NoData	NoData	27.36	27.66
11	381529	394483	NoData	NoData	NoData	NoData	NoData	NoData	27.55
12	381561	394483	NoData	NoData	NoData	NoData	NoData	NoData	27.56

Label	Easting	Northing	5% AEP	3.33% AEP	2% AEP	1.33% AEP	1% AEP	0.5% AEP	0.1% AEP
			Height	Height	Height	Height	Height	Height	Height
13	381593	394483	NoData	NoData	NoData	NoData	NoData	NoData	27.57
14	381625	394483	NoData	NoData	NoData	NoData	NoData	NoData	27.58
15	381657	394483	NoData	NoData	NoData	NoData	NoData	NoData	27.67
16	381529	394515	NoData	NoData	NoData	NoData	NoData	NoData	27.54
17	381561	394515	NoData	NoData	NoData	NoData	NoData	NoData	27.55
18	381593	394515	NoData	NoData	NoData	NoData	NoData	NoData	27.56
19	381625	394515	NoData	NoData	NoData	NoData	NoData	NoData	27.57
20	381657	394515	NoData	NoData	NoData	NoData	NoData	NoData	27.58
21	381529	394547	NoData	NoData	NoData	NoData	NoData	NoData	27.54
22	381561	394547	NoData	NoData	NoData	NoData	NoData	NoData	27.55
23	381593	394547	NoData	NoData	NoData	NoData	NoData	NoData	27.55
24	381625	394547	NoData	NoData	NoData	NoData	NoData	NoData	27.55

Label	Easting	Northing	5% AEP	3.33% AEP	2% AEP	1.33% AEP	1% AEP	0.5% AEP	0.1% AEP
			Height	Height	Height	Height	Height	Height	Height
25	381657	394547	NoData	NoData	NoData	NoData	NoData	NoData	27.56
Max value in selected area:			NoData	NoData	NoData	NoData	NoData	27.37	27.69

Data in this table comes from the Chorlton Platt Gore 2024 model. Height values are shown in mAOD, and depth values are shown in metres.
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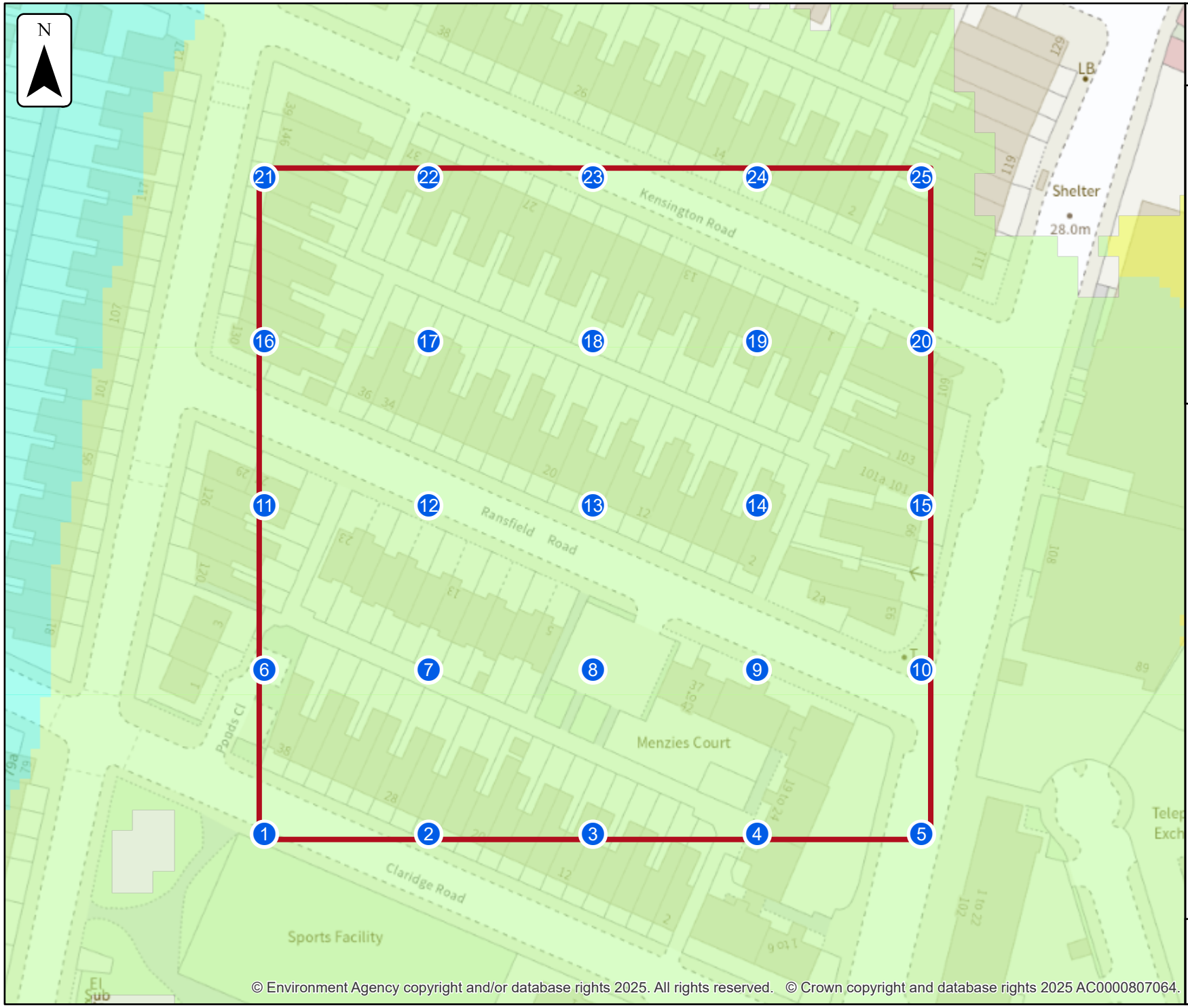
'Max value in selected area' is the deepest depth or highest height at any location within your drawn boundary.



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Environment Agency

Defended climate change modelled fluvial extent and height

Location (easting/northing)
381594/394483

Scale
1:1,000

Created
6 May 2025

Model name
Chorlton Platt Gore 2024

Selected area

Main river

Modelled 2D grid
Water level in mAOD

- 0 - 27.0
- 27.0 - 27.25
- 27.25 - 27.5
- 27.5 - 27.75
- 27.75 - 28.0
- 28.0 - 28.25
- 28.25 - 28.5
- 28.5 - 28.75
- 28.75 - 29.0

This map shows the 0.1% AEP +53% height data

0 10 20 30 40
metres

Sample point data

Defended climate change

Label	Easting	Northing	5% AEP (+53%)	1% AEP (+41%)	1% AEP (+53%)	0.1% AEP (+53%)
			Depth	Depth	Depth	Depth
1	381529	394419	NoData	0.22	0.29	0.73
2	381561	394419	NoData	0.20	0.25	0.68
3	381593	394419	NoData	0.04	0.10	0.53
4	381625	394419	NoData	0.16	0.22	0.64
5	381657	394419	NoData	0.18	0.23	0.62
6	381529	394451	NoData	0.28	0.35	0.79
7	381561	394451	NoData	0.36	0.42	0.87
8	381593	394451	NoData	0.22	0.28	0.72
9	381625	394451	NoData	0.16	0.22	0.65
10	381657	394451	NoData	0.08	0.12	0.50
11	381529	394483	NoData	0.07	0.14	0.58
12	381561	394483	NoData	0.28	0.35	0.80

Label	Easting	Northing	5% AEP (+53%)	1% AEP (+41%)	1% AEP (+53%)	0.1% AEP (+53%)
			Depth	Depth	Depth	Depth
13	381593	394483	NoData	NoData	0.01	0.42
14	381625	394483	NoData	NoData	0.03	0.45
15	381657	394483	NoData	NoData	0.04	0.37
16	381529	394515	NoData	NoData	0.03	0.45
17	381561	394515	NoData	NoData	NoData	0.37
18	381593	394515	NoData	0.04	0.07	0.45
19	381625	394515	NoData	0.01	0.11	0.54
20	381657	394515	NoData	NoData	NoData	0.37
21	381529	394547	NoData	NoData	NoData	0.51
22	381561	394547	NoData	NoData	NoData	0.39
23	381593	394547	NoData	0.06	0.13	0.60
24	381625	394547	NoData	NoData	NoData	0.36

Label	Easting	Northing	5% AEP (+53%)	1% AEP (+41%)	1% AEP (+53%)	0.1% AEP (+53%)
			Depth	Depth	Depth	Depth
25	381657	394547	NoData	NoData	NoData	0.36
Max value in selected area:			NoData	0.56	0.63	1.08

Data in this table comes from the Chorlton Platt Gore 2024 model. Height values are shown in mAOD, and depth values are shown in metres.
Any blank cells show where a particular scenario has not been modelled for this location.
Cells which contain text 'NoData' for a scenario show that return period has been modelled but there is no flood risk for that return period for that location.
'Max value in selected area' is the deepest depth or highest height at any location within your drawn boundary.

Defended climate change

Label	Easting	Northing	5% AEP (+53%)	1% AEP (+41%)	1% AEP (+53%)	0.1% AEP (+53%)
			Height	Height	Height	Height
1	381529	394419	NoData	27.29	27.36	27.80
2	381561	394419	NoData	27.32	27.38	27.81
3	381593	394419	NoData	27.33	27.39	27.82
4	381625	394419	NoData	27.35	27.40	27.83
5	381657	394419	NoData	27.44	27.49	27.88
6	381529	394451	NoData	27.29	27.35	27.80
7	381561	394451	NoData	27.30	27.37	27.81
8	381593	394451	NoData	27.32	27.39	27.83
9	381625	394451	NoData	27.34	27.41	27.84
10	381657	394451	NoData	27.47	27.51	27.89
11	381529	394483	NoData	27.29	27.35	27.80
12	381561	394483	NoData	27.30	27.36	27.81

Label	Easting	Northing	5% AEP (+53%)	1% AEP (+41%)	1% AEP (+53%)	0.1% AEP (+53%)
			Height	Height	Height	Height
13	381593	394483	NoData	NoData	27.38	27.82
14	381625	394483	NoData	NoData	27.40	27.83
15	381657	394483	NoData	NoData	27.55	27.88
16	381529	394515	NoData	NoData	27.35	27.79
17	381561	394515	NoData	NoData	NoData	27.81
18	381593	394515	NoData	27.35	27.38	27.82
19	381625	394515	NoData	27.29	27.39	27.82
20	381657	394515	NoData	NoData	NoData	27.83
21	381529	394547	NoData	NoData	NoData	27.78
22	381561	394547	NoData	NoData	NoData	27.80
23	381593	394547	NoData	27.27	27.34	27.81
24	381625	394547	NoData	NoData	NoData	27.82

Label	Easting	Northing	5% AEP (+53%)	1% AEP (+41%)	1% AEP (+53%)	0.1% AEP (+53%)
			Height	Height	Height	Height
25	381657	394547	NoData	NoData	NoData	27.81
Max value in selected area:			NoData	27.52	27.55	27.92

Data in this table comes from the Chorlton Platt Gore 2024 model. Height values are shown in mAOD, and depth values are shown in metres.
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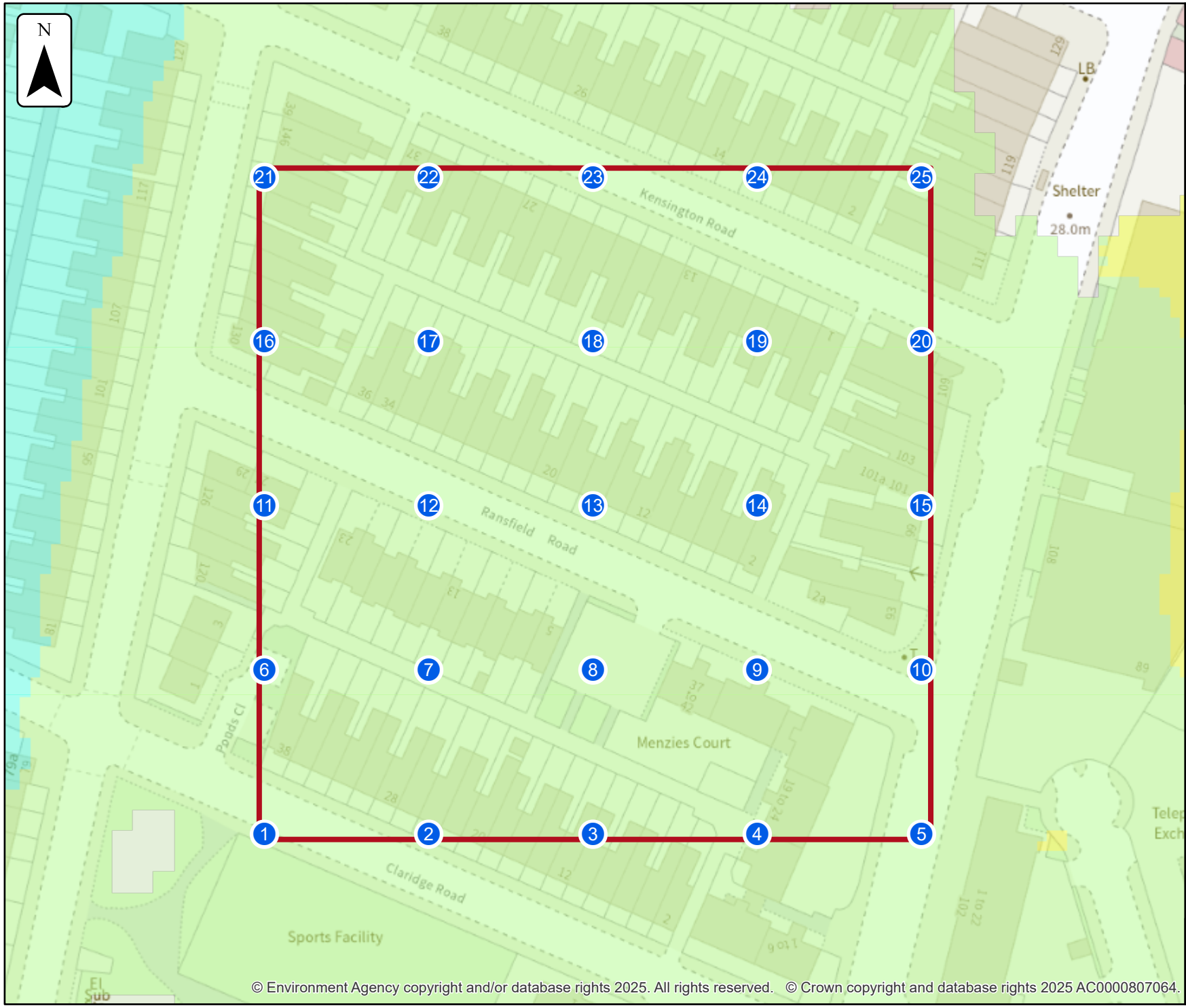

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Environment Agency

Defences removed climate change modelled fluvial extent and height

Location (easting/northing)
381594/394483

Scale
1:1,000

Created
6 May 2025

Model name
Chorlton Platt Gore 2024

Selected area

Main river

Modelled 2D grid
Water level in mAOD

- 0 - 27.0
- 27.0 - 27.25
- 27.25 - 27.5
- 27.5 - 27.75
- 27.75 - 28.0
- 28.0 - 28.25
- 28.25 - 28.5
- 28.5 - 28.75
- 28.75 - 29.0

This map shows the 0.1% AEP +53% height data

0 10 20 30 40
metres

Sample point data

Defences removed climate change

Label	Easting	Northing	1% AEP (+41%)	1% AEP (+53%)	1% AEP (+85%)	0.1% AEP (+53%)
			Depth	Depth	Depth	Depth
1	381529	394419	0.23	0.32	0.50	0.74
2	381561	394419	0.20	0.28	0.46	0.70
3	381593	394419	0.05	0.12	0.30	0.55
4	381625	394419	0.16	0.24	0.41	0.65
5	381657	394419	0.18	0.25	0.40	0.63
6	381529	394451	0.29	0.38	0.56	0.81
7	381561	394451	0.37	0.45	0.63	0.88
8	381593	394451	0.23	0.31	0.49	0.73
9	381625	394451	0.17	0.24	0.42	0.67
10	381657	394451	0.08	0.13	0.28	0.52
11	381529	394483	0.08	0.17	0.35	0.60
12	381561	394483	0.29	0.38	0.56	0.81

Label	Easting	Northing	1% AEP (+41%)	1% AEP (+53%)	1% AEP (+85%)	0.1% AEP (+53%)
			Depth	Depth	Depth	Depth
13	381593	394483	NoData	0.02	0.19	0.43
14	381625	394483	NoData	0.04	0.21	0.46
15	381657	394483	NoData	0.05	0.17	0.38
16	381529	394515	0.00	0.05	0.22	0.46
17	381561	394515	NoData	NoData	0.13	0.38
18	381593	394515	0.05	0.08	0.22	0.46
19	381625	394515	0.03	0.13	0.31	0.55
20	381657	394515	NoData	NoData	0.14	0.39
21	381529	394547	NoData	0.10	0.28	0.53
22	381561	394547	NoData	NoData	0.15	0.40
23	381593	394547	0.07	0.16	0.35	0.61
24	381625	394547	NoData	NoData	0.12	0.37

Label	Easting	Northing	1% AEP (+41%)	1% AEP (+53%)	1% AEP (+85%)	0.1% AEP (+53%)
			Depth	Depth	Depth	Depth
25	381657	394547	NoData	NoData	0.12	0.37
Max value in selected area:			0.57	0.66	0.84	1.09

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Defences removed climate change

Label	Easting	Northing	1% AEP (+41%)	1% AEP (+53%)	1% AEP (+85%)	0.1% AEP (+53%)
			Height	Height	Height	Height
1	381529	394419	27.30	27.39	27.57	27.81
2	381561	394419	27.33	27.40	27.58	27.82
3	381593	394419	27.34	27.41	27.59	27.84
4	381625	394419	27.35	27.43	27.60	27.84
5	381657	394419	27.44	27.51	27.67	27.89
6	381529	394451	27.30	27.38	27.57	27.81
7	381561	394451	27.31	27.39	27.58	27.82
8	381593	394451	27.33	27.41	27.59	27.84
9	381625	394451	27.35	27.43	27.61	27.85
10	381657	394451	27.47	27.52	27.68	27.91
11	381529	394483	27.30	27.38	27.57	27.81
12	381561	394483	27.31	27.39	27.58	27.83

Label	Easting	Northing	1% AEP (+41%)	1% AEP (+53%)	1% AEP (+85%)	0.1% AEP (+53%)
			Height	Height	Height	Height
13	381593	394483	NoData	27.41	27.59	27.83
14	381625	394483	NoData	27.42	27.59	27.84
15	381657	394483	NoData	27.56	27.68	27.89
16	381529	394515	27.29	27.37	27.56	27.80
17	381561	394515	NoData	NoData	27.57	27.82
18	381593	394515	27.35	27.40	27.58	27.83
19	381625	394515	27.30	27.41	27.59	27.84
20	381657	394515	NoData	NoData	27.59	27.84
21	381529	394547	NoData	27.37	27.55	27.80
22	381561	394547	NoData	NoData	27.56	27.82
23	381593	394547	27.29	27.37	27.57	27.82
24	381625	394547	NoData	NoData	27.57	27.83

Label	Easting	Northing	1% AEP (+41%)	1% AEP (+53%)	1% AEP (+85%)	0.1% AEP (+53%)
			Height	Height	Height	Height
25	381657	394547	NoData	NoData	27.58	27.83
Max value in selected area:			27.52	27.56	27.70	27.93

Data in this table comes from the Chorlton Platt Gore 2024 model. Height values are shown in mAOD, and depth values are shown in metres.
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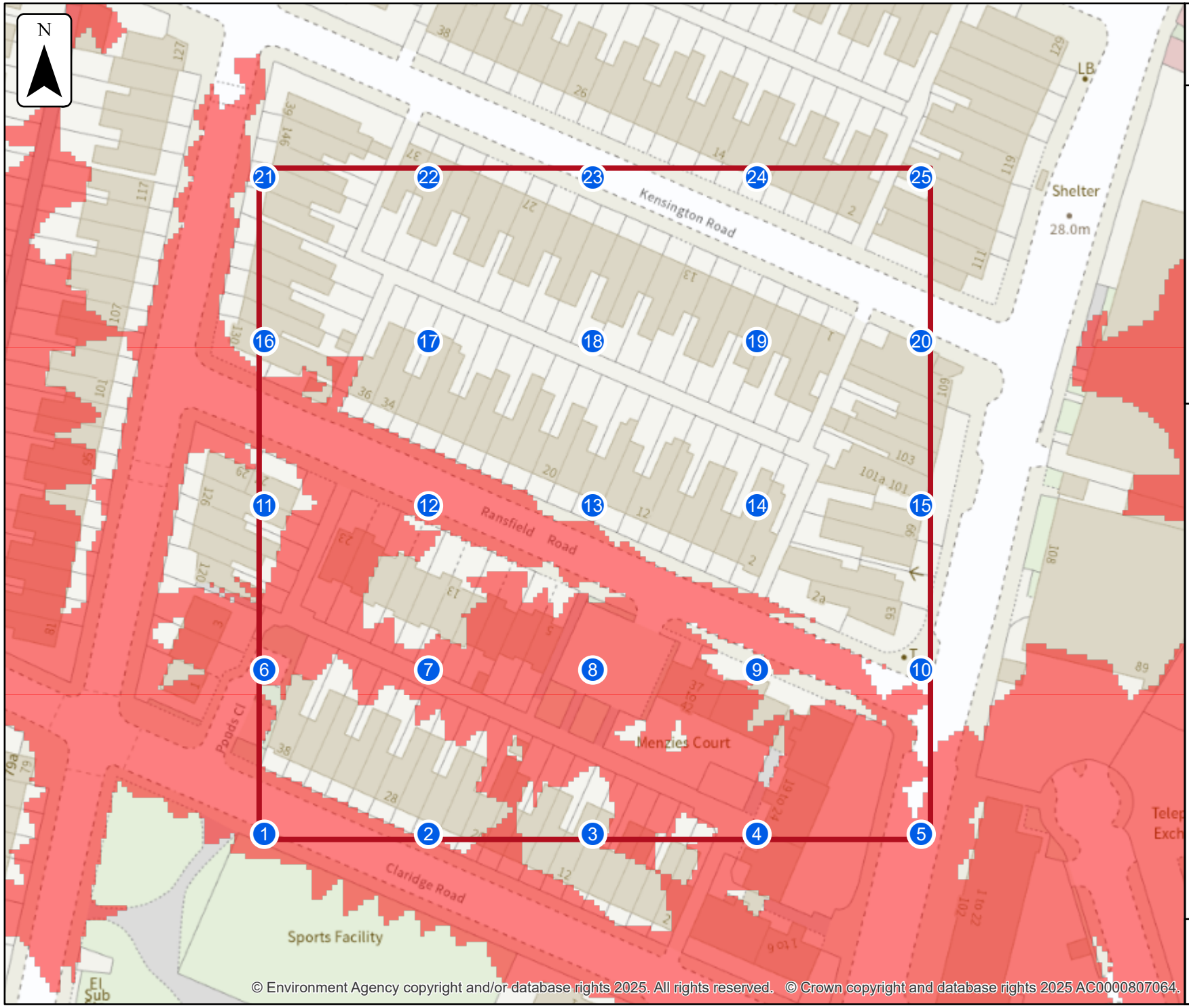

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Environment Agency

No defences exist climate change modelled fluvial extent and height

Location (easting/northing)
381594/394483

Scale
1:1,000

Created
6 May 2025

Model name
Corn Brook 2017

Selected area

Main river

Modelled 2D grid
Water level in mAOD

- 0 - 0.0
- 0.0 - 3.5
- 3.5 - 7.0
- 7.0 - 10.5
- 10.5 - 14.0
- 14.0 - 17.5
- 17.5 - 21.0
- 21.0 - 24.5
- 24.5 - 28.0

This map shows the 0.1% AEP +30% height data

0 10 20 30 40
metres

Sample point data

No defences exist climate change

Label	Easting	Northing	0.1% AEP (+30%)	0.1% AEP (+30%)
			Depth	Height
1	381529	394419	0.21	27.21
2	381561	394419	0.11	27.23
3	381593	394419	NoData	NoData
4	381625	394419	0.13	27.25
5	381657	394419	0.14	27.36
6	381529	394451	0.28	27.20
7	381561	394451	0.31	27.22
8	381593	394451	0.20	27.24
9	381625	394451	NoData	NoData
10	381657	394451	NoData	NoData
11	381529	394483	NoData	NoData
12	381561	394483	0.22	27.21

Label	Easting	Northing	0.1% AEP (+30%)	0.1% AEP (+30%)
			Depth	Height
13	381593	394483	NoData	NoData
14	381625	394483	NoData	NoData
15	381657	394483	NoData	NoData
16	381529	394515	NoData	NoData
17	381561	394515	NoData	NoData
18	381593	394515	NoData	NoData
19	381625	394515	NoData	NoData
20	381657	394515	NoData	NoData
21	381529	394547	NoData	NoData
22	381561	394547	NoData	NoData
23	381593	394547	NoData	NoData
24	381625	394547	NoData	NoData

Label	Easting	Northing	0.1% AEP (+30%)	0.1% AEP (+30%)
			Depth	Height
25	381657	394547	NoData	NoData
Max value in selected area:			0.51	27.39

Data in this table comes from the Corn Brook 2017 model. Height values are shown in mAOD, and depth values are shown in metres.
Any blank cells show where a particular scenario has not been modelled for this location.
Cells which contain text 'NoData' for a scenario show that return period has been modelled but there is no flood risk for that return period for that location.
'Max value in selected area' is the deepest depth or highest height at any location within your drawn boundary.

Strategic flood risk assessments

We recommend that you check the relevant local authority's strategic flood risk assessment (SFRA) as part of your work to prepare a site specific flood risk assessment.

This should give you information about:

- the potential impacts of climate change in this catchment
- areas defined as functional floodplain
- flooding from other sources, such as surface water, ground water and reservoirs

Your Lead Local Flood Authority is Manchester District.

About this data

This data has been generated by strategic scale flood models and is not intended for use at the individual property scale. If you're intending to use this data as part of a flood risk assessment, please include an appropriate modelling tolerance as part of your assessment. The Environment Agency regularly updates its modelling. We recommend that you check the data provided is the most recent, before submitting your flood risk assessment.

Flood risk activity permits

Under the Environmental Permitting (England and Wales) Regulations 2016 some developments may require an environmental permit for flood risk activities from the Environment Agency. This includes any permanent or temporary works that are in, over, under, or nearby a designated main river or flood defence structure.

Find out more about flood risk activity permits

Help and advice

Contact the Greater Manchester Merseyside and Cheshire Environment Agency team at inforequests.gmmc@environment-agency.gov.uk for:

- more information about getting a product 5, 6, 7 or 8
- general help and advice about the site you're requesting data for